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15 of 17 Course IDs for *ACTG* in the Business and Social Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
ACTG 1A	FINANCIAL ACCOUNTING I	<p>SLO 1. Explain financial accounting terminology, concepts, principles, and frameworks. [SLO1a: Theory].</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. Perform related calculations and demonstrate the ability to use methods and /or procedures to solve financial accounting problems. [SLO1b: Application]</p> <p>ILO 2. 3. Computation</p>
ACTG 1B	FINANCIAL ACCOUNTING II	<p>SLO 1. Explain financial accounting terminology, concepts, principles, and frameworks. [SLO1a: Theory].</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. Perform related calculations and demonstrate the ability to use methods and /or procedures to solve financial accounting problems. [SLO1b: Application]</p> <p>ILO 2. 3. Computation</p>
ACTG 1C	MANAGERIAL ACCOUNTING	<p>SLO 1. Explain managerial accounting terminology, concepts, principles, and frameworks. [SLO1a: Theory].</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. Perform related calculations and demonstrate the ability to use methods and /or procedures to solve managerial accounting problems. [SLO1b: Application]</p> <p>ILO 2. 3. Computation</p>
ACTG 51A	INTERMEDIATE ACCOUNTING I	<p>SLO 1. Explain intermediate financial accounting terminology, concepts, principles, and frameworks.[SLO1a: Theory].</p> <p>SLO 2. Perform related calculations and demonstrate the ability to use methods and /or procedures to solve intermediate financial accounting problems [SLO1b: Application]</p>
ACTG 51B	INTERMEDIATE ACCOUNTING II	<p>SLO 1. Explain intermediate financial accounting terminology, concepts, principles, and frameworks.</p> <p>SLO 2. Perform related calculations and demonstrate the ability to use methods and /or procedures to solve intermediate financial accounting problems</p>
ACTG 51C	INTERMEDIATE ACCOUNTING III	<p>SLO 1. describe what is financial accounting (intermediate), including its ethics and various career paths, and its role in business, domestically and internationally [SLO1a: Context].</p>

- SLO 2. Demonstrate practical knowledge of income tax form preparation and tax compliance process as these relate to sole proprietorships and partnerships.
- ILO 2. 3. Computation

- ACTG 68B ADVANCED TAX ACCOUNTING II
- SLO 1. Identify basics of Federal income tax law as it relates to Corporations and Fiduciaries.
 - ILO 1. 2. Creative, critical and analytical thinking
 - SLO 2. Demonstrate practical knowledge of income tax form preparation and tax compliance process as these relate to corporations and fiduciaries.
 - ILO 2. 3. Computation

- ACTG 68C ADVANCED TAX ACCOUNTING III
- SLO 1. testing SLO add number 1
 - ILO 1. 1. Communication
 - SLO 2. testing SLO add number 2
 - ILO 2. 3. Computation 4. Community/global consciousness and responsibility

ACTG 75 ACCOUNTING FOR GOVERNMENT & NOT-FOR-PROFIT No SLOs on file.

1 of 1 Course IDs for *ADVT* in the Business and Social Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
ADVT 57	PRINCIPLES OF ADVERTISING	
	SLO 1. Students will demonstrate an understanding and appropriate use of advertising terms and concepts in the written component of the term project.	
	ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility	
	SLO 2. Students will critically analyze, evaluate and interpret advertising information for their term projects.	
	ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility	
	SLO 3. Students will demonstrate advertising concepts and strategies in their term projects and oral presentations.	
	ILO 3. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility	

1 of 1 Course IDs for *AHS* in the Biological and Health Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
AHS 200	ORIENTATION TO HEALTH CARE CAREERS	
	SLO 1. Recite and apply medical terminology for all body systems.	
	SLO 2. Recognize professional and ethical behavior and traits of a health care workers.	

25 of 24 Course IDs for *ALAP* in the Adaptive Learning Division have SLO's. 2009-2010

Course ID	Title	SLO's
ALAP 52	INTRODUCTION TO CONCEPTS OF PHYSICAL FITNESS FOR THE DISABLED	

SLO 1. After completing this course, students will demonstrate their understanding of how certain hereditary predispositions as well as specific unhealthy lifestyle and nutritional choices can lead to heart disease, stroke, diabetes and other life-threatening conditions.

SLO 2. After completing this course, students will demonstrate their mastery of CPR, first aid and other interventions when responding to medical emergencies such as heart attack, stroke and cardiac arrest.

ALAP 52X INTRODUCTION TO CONCEPTS OF PHYSICAL FITNESS FOR THE DISABLED

SLO 1. After completing this course, students will demonstrate their understanding of how certain hereditary predispositions as well as specific unhealthy lifestyle and nutritional choices can lead to heart disease, stroke, diabetes and other life-threatening conditions.

SLO 2. After completing this course, students will demonstrate their mastery of CPR, first aid and other interventions when responding to medical emergencies such as heart attack, stroke and cardiac arrest.

ALAP 52Y INTRODUCTION TO CONCEPTS OF PHYSICAL FITNESS FOR THE DISABLED

SLO 1. After completing this course, students will demonstrate their understanding of how certain hereditary predispositions as well as specific unhealthy lifestyle and nutritional choices can lead to heart disease, stroke, diabetes and other life-threatening conditions.

SLO 2. After completing this course, students will demonstrate their mastery of CPR, first aid and other interventions when responding to medical emergencies such as heart attack, stroke and cardiac arrest.

ALAP 60 GENERAL CONDITIONING FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

SLO 1. Develop or improve physical fitness.

SLO 2. Demonstrate an understanding of the connection between physical fitness and good health.

SLO 1. Develop or improve physical fitness.

SLO 2. Demonstrate an understanding of the connection between physical fitness and good health.

ALAP 60X GENERAL CONDITIONING FOR THE DISABLED

SLO 1. Student will be able to identify two of the three primary fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 61 RESISTIVE EXERCISE FOR THE DISABLED

SLO 1. Student will be able to identify two of the three primary fitness components

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 61X RESISTIVE EXERCISE FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 62 INDIVIDUALIZED EXERCISE FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Student will be able to identify and discuss how this class has improved their health and well being.

ALAP 62X INDIVIDUALIZED EXERCISE FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Student will be able to identify and discuss how this class has improved their health and well being.

ALAP 63 POSTURAL FITNESS FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Student will be able to identify and discuss how this class has improved their health and well being.

ALAP 63X POSTURAL FITNESS FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Student will be able to identify and discuss how this class has improved their health and well being.

ALAP 64 AEROBIC DANCE FOR THE DISABLED

SLO 1. Students will be able to identify two of the three fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 64X AEROBIC DANCE FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 66 FUNCTIONAL FITNESS FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 66X FUNCTIONAL FITNESS FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 67 BALANCE & FUNCTIONAL MOVEMENT FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 67X BALANCE & FUNCTIONAL MOVEMENT FOR THE PHYSICALLY DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

ALAP 68 FUNCTIONAL TRAINING FOR THE ADAPTIVE ENDURANCE ATHLETE

No SLOs on file.

ALAP 70 ADAPTIVE AQUATICS FOR THE DISABLED

SLO 1. Students will be able to identify two of the three primary fitness components.

SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

- ALAP 70X ADAPTIVE AQUATICS FOR THE DISABLED
 SLO 1. Students will be able to identify two of the three primary fitness components.
 SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

- ALAP 71 AQUACIZE FOR THE DISABLED
 SLO 1. Students will be able to identify two of the three primary fitness components.
 SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

- ALAP 71X AQUACIZE FOR THE DISABLED
 SLO 1. Students will be able to identify two of the three primary fitness components.
 SLO 2. Students will be able to identify and discuss how this class has improved their health and well being.

- ALAP 80 TEAM SPORTS FOR THE DISABLED
 SLO 1. Students will learn proper technique and skills associated with a specific sport.
 SLO 2. Students will learn the rules and regulations for specific sport activity.

- ALAP 80X TEAM SPORTS FOR THE DISABLED
 SLO 1. Students will learn proper technique and skills associated with a specific sport.
 SLO 2. Students will learn the rules and regulations for specific sport activity.

1 of 1 Course IDs for *ALCA* in the Adaptive Learning Division have SLO's. 2009-2010

Course ID	Title	SLO's
ALCA 201	COMPUTER ACCESS EVALUATION	
	SLO 1. Demonstrate the ability to self advocate by communicating effectively computer access needs and requirements and identify goals for his/her level of proficiency.	
	SLO 2. Demonstrate self-advocacy skills and the ability to communicate his/her need for authorized academic accommodations to faculty and staff.	

81 of 70 Course IDs for *ALCB* in the Adaptive Learning Division have SLO's. 2009-2010

Course ID	Title	SLO's
ALCB 201	BEGINNING LIP READING	
	SLO 1. Students will be able to recognize the visibly similar characteristics of the phonemes /m/, /p/ and /b/ when observing a speaker articulating these phonemes.	
	SLO 2. Student will be able to recognize the number of syllables in a word.	
ALCB 202	INTERMEDIATE LIP READING & MANAGING YOUR HEARING LOSS	
	SLO 1. Student will be able to watch a silent speaker reading a paragraph of 6-10 sentences in conversational speech and derive some accurate information about the topic from visual cues alone.	
	SLO 2. After participating in this course, students will be able to identify stress pattern in a sentence.	
ALCB 203	ADVANCED LIP READING & MANAGING YOUR HEARING LOSS	

SLO 1. Students will watch and listen to reader as she/he reads connected discourse on a single topic. Some of the text will be read aloud so that audible and visible cues will both be present. Intermittently, voicing will be eliminated by the reader so that students will have to follow the unvoiced portions of the text using visual cues alone.. They would have to combine what they already understood and what they predicted the silent words would be with their observations of visible phonemes in the silent word.

SLO 2. Students be able to identify questions asked in a conversation.

ALCB 222 JOB SEARCH SKILLS

SLO 1. A. identify marketable skills and define a realistic job objective

SLO 2. B. prepare a master application and resume

SLO 3. C. identify a minimum of five sources for hard job leads

SLO 4. D. successfully complete the interview session

SLO 5. E. access a minimum of two job sites using the Internet

ALCB 223 CAREER RESOURCES

SLO 1. A. develop an organized job search plan

SLO 2. B. use telephone to research job leads and obtain interviews

SLO 3. C. maintain a daily contact sheet with 10 hard leads per week

SLO 4. D. demonstrate the use of the fax machine to contact employers

SLO 5. E. use the Dictionary of Occupational Titles to create skills and qualifications for resume

SLO 6. F. demonstrate uses of the Internet to locate job openings and post resume

ALCB 224 EMPLOYMENT ISSUES

SLO 1. Understand budget based on long and short term expenses.

SLO 2. Recognize discrimination and harassment in the workplace.

ALCB 229 WORK ADJUSTMENT FOR THE DISABLED

No SLOs on file.

ALCB 230 INTRODUCTION TO THE COMPUTER FOR THE DISABLED

SLO 1. Access and shutdown of the computer: open, close and save documents on the computer.

SLO 2. Edit, format, and send work document on the computer as an attachment.

ALCB 231 CAREER PLANNING & PERSONAL ASSESSMENT

No SLOs on file.

ALCB 403 CHANGING GENERATIONS

SLO 1. Students will demonstrate an ability to relate to the thought and traditions of another generation.

SLO 2. Students will demonstrate productive interactions with a person of another generation.

ALCB 403X CHANGING GENERATIONS

SLO 1. Student will be able to demonstrate an ability to relate to the thoughts and traditions of another generation with increased proficiency.

SLO 2. Students will demonstrate productive interactions with a person of another generation with increased proficiency.

ALCB 403Y CHANGING GENERATIONS

SLO 1. Student will be able to demonstrate an ability to relate to the thoughts and traditions of another generation with increase proficiency.

SLO 2. Students will demonstrate productive interactions with a person of another generation with increased proficiency.

ALCB 406 WORLD NEWS DISCUSSION

SLO 1. Demonstrate a basic ability to draw comparisons between current world news events and events from the past.

SLO 2. State the importance of world news events from the perspective of experience and longevity.

- ALCB 406X WORLD NEWS DISCUSSION
SLO 1. Demonstrate a basic ability to draw comparisons between current world news events and events from the past with increased proficiency.
SLO 2. State the importance of world news events from the perspective of experience and longevity with increased proficiency.
- ALCB 406Y WORLD NEWS DISCUSSION
SLO 1. Demonstrate a basic ability to draw comparisons between current world news events and events from the past with increased proficiency.
SLO 2. State the importance of world news events from the perspective of experience and longevity with increased proficiency.
- ALCB 407 SOCIAL CHANGE
SLO 1. Demonstrate an ability to discuss social change, noting similarities and differences.
SLO 2. Demonstrate an ability to engage interpersonally in communication in a group setting.
- ALCB 407X SOCIAL CHANGE
SLO 1. Demonstrate an ability to discuss social change, noting similarities and differences.
SLO 2. Demonstrate an ability to engage interpersonally in communication in a group setting.
- ALCB 407Y SOCIAL CHANGE
SLO 1. Demonstrate an ability to discuss social change, noting similarities and differences.
SLO 2. Demonstrate an ability to engage interpersonally in communication in a group setting.
- ALCB 408 ART APPRECIATION
SLO 1. Student will be able to demonstrate an increased knowledge and appreciation of the diversity of art styles.
SLO 2. Student will increase their ability to appreciate and identify the work of different artists.
- ALCB 408X ART APPRECIATION
SLO 1. Student will demonstrate an increased knowledge and appreciation of the diversity of art styles.
SLO 2. Student will increase their ability to appreciate and identify the work of different artists.
- ALCB 408Y ART APPRECIATION
SLO 1. Student will demonstrate an increased knowledge and appreciation of the diversity of art styles.
SLO 2. Student will increase their ability to appreciate and identify the work of different artists.
- ALCB 409 MUSIC APPRECIATION
SLO 1. Participating students will demonstrate a broader and more informed awareness of diversity in music.
SLO 2. Participating students will demonstrate increased listening sensitivity and auditory acuity through exposure to music reinforced by lecture and discussion.
- ALCB 409X MUSIC APPRECIATION
SLO 1. Participating students will demonstrate a broader and more informed awareness of diversity in music.
SLO 2. Participating students will demonstrate increased listening sensitivity and auditory acuity through exposure to music reinforced by lecture and discussion.
- ALCB 409Y MUSIC APPRECIATION
SLO 1. Participating students will demonstrate a broader and more informed awareness of diversity in music.

SLO 2. Participating students will demonstrate increased listening sensitivity and auditory acuity through exposure to music reinforced by lecture and discussion.

ALCB 411 HEALTH ISSUES

SLO 1. After participating in this course, students will demonstrate the ability to discuss the effects of ill health upon self image and relationships

SLO 2. After participating in this course, students will identify specific coping strategies for dealing with illness.

ALCB 411X HEALTH ISSUES

SLO 1. Participating students will demonstrate their understanding of the debilitating effects that illness and poor health have upon self-image and relationships.

SLO 2. Participating students will identify useful coping strategies for dealing with illness.

ALCB 411Y HEALTH ISSUES

SLO 1. Participating students will demonstrate their understanding of the debilitating effects that illness and poor health have upon self-image and relationships.

SLO 2. Participating students will identify useful coping strategies for dealing with illness.

ALCB 413 RELAXATION TECHNIQUES

SLO 1. Participating students will examine different manifestations of stress and describe their impacts on mental and physical health.

SLO 2. Participating students will demonstrate their application of relaxation techniques to reduce stress and alleviate tension.

ALCB 413X RELAXATION TECHNIQUES

SLO 1. Participating students will examine different manifestations of stress and describe their impacts on mental and physical health.

SLO 2. Participating students will demonstrate their application of relaxation techniques to reduce stress and alleviate tension.

ALCB 413Y RELAXATION TECHNIQUES

SLO 1. Participating students will examine different manifestations of stress and describe their impacts on mental and physical health.

SLO 2. Participating students will demonstrate their application of relaxation techniques to reduce stress and alleviate tension.

ALCB 414 STRESS MANAGEMENT

No SLOs on file.

ALCB 414X STRESS MANAGEMENT

No SLOs on file.

ALCB 414Y STRESS MANAGEMENT

No SLOs on file.

ALCB 421 AROUND THE WORLD IN TRAVEL STUDY

SLO 1. Participating students will demonstrate the ability to recall and recount their own personal travel experiences and/or recall and relate to the travel experiences of others.

SLO 2. Participating students will demonstrate the ability to listen to, validate and discuss travel experiences recollected by others.

ALCB 421X AROUND THE WORLD IN TRAVEL STUDY

SLO 1. Participating students will demonstrate the ability to recall and recount their own personal travel experiences and/or recall and relate to the travel experiences of others.

SLO 2. Participating students will demonstrate the ability to listen to, validate and discuss travel experiences recollected by others.

ALCB 421Y AROUND THE WORLD IN TRAVEL STUDY

SLO 1. Participating students will demonstrate the ability to recall and recount their own personal travel experiences and/or recall and relate to the travel experiences of others.

SLO 2. Participating students will demonstrate the ability to listen to, validate and discuss travel experiences recollected by others.

- ALCB 431 ANALYSIS OF CURRENT EVENTS
- SLO 1. Participating students will show evidence of understanding the basic news elements – the what, when, where, how and why -- associated with key events as they occur weekly on the local, national and international scene.
 - SLO 2. Participating students will demonstrate their ability substantively to compare and contrast current news events with past news events.
- ALCB 431X ANALYSIS OF CURRENT EVENTS
- SLO 1. Increase knowledge of local, national and international news events with increased proficiency.
 - SLO 2. Compare and contrast current news events with past news events with increased proficiency.
- ALCB 431Y ANALYSIS OF CURRENT EVENTS
- SLO 1. Increase knowledge of local, national and international news events with increased proficiency.
 - SLO 2. Compare and contrast current news events with past news events with increased proficiency.
- ALCB 431Z ANALYSIS OF CURRENT EVENTS
- SLO 1. Increase knowledge of local, national and international news events, with increased proficiency.
 - SLO 2. Compare and contrast current news events with past news events, with increased proficiency.
- ALCB 451 DRAWING & PAINTING
- SLO 1. Participating students will show evidence of increased creative exploration and capacity for self-expression through drawing and painting.
 - SLO 2. Participating students will show evidence of the acquisition and/or improvement of skills and techniques specific to drawing and painting.
- ALCB 451X DRAWING & PAINTING
- SLO 1. Participating students will show evidence of increased creative exploration and capacity for self-expression through drawing and painting.
 - SLO 2. Participating students will show evidence of the acquisition and/or improvement of skills and techniques specific to drawing and painting.
- ALCB 451Y DRAWING & PAINTING
- SLO 1. Participating students will show evidence of increased creative exploration and capacity for self-expression through drawing and painting.
 - SLO 2. Participating students will show evidence of the acquisition and/or improvement of skills and techniques specific to drawing and painting.
- ALCB 451Z DRAWING & PAINTING
- SLO 1. Participating students will show evidence of increased creative exploration and capacity for self-expression through drawing and painting.
 - SLO 2. Participating students will show evidence of the acquisition and/or improvement of skills and techniques specific to drawing and painting.
- ALCB 455 MUSIC & MOVEMENT
- SLO 1. Participating students will demonstrate the ability to respond kinesthetically to music.
 - SLO 2. Participating students will demonstrate the ability to identify characteristics of music used in music exercise.
- ALCB 455X MUSIC & MOVEMENT FOR THE DISABLED
- SLO 1. Participating students will demonstrate the ability to respond kinesthetically to music.

SLO 2. Participating students will demonstrate the ability to identify characteristics of music used in music exercise.

ALCB 455Y MUSIC & MOVEMENT

SLO 1. Participating students will demonstrate the ability to respond kinesthetically to music.

SLO 2. Participating students will demonstrate the ability to identify characteristics of music used in music exercise.

ALCB 455Z MUSIC & MOVEMENT

SLO 1. Participating students will demonstrate the ability to respond kinesthetically to music.

SLO 2. Participating students will demonstrate the ability to identify characteristics of music used in music exercise.

ALCB 456 CRAFTS

SLO 1. Participating students will demonstrate increased proficiency in using craft-related materials as a means of self-expression.

SLO 2. Participating students will show evidence of acquiring and/or developing techniques that enable them to produce crafted art objects.

ALCB 456X CRAFTS

SLO 1. Participating students will demonstrate increased proficiency in using craft-related materials as a means of self-expression.

SLO 2. Participating students will show evidence of acquiring and/or developing techniques that enable them to produce crafted art objects.

ALCB 456Y CRAFTS

SLO 1. Participating students will demonstrate increased proficiency in using craft-related materials as a means of self-expression.

SLO 2. Participating students will show evidence of acquiring and/or developing techniques that enable them to produce crafted art objects.

ALCB 456Z CRAFTS

SLO 1. Participating students will demonstrate increased proficiency in using craft-related materials as a means of self-expression.

SLO 2. Participating students will show evidence of acquiring and/or developing techniques that enable them to produce crafted art objects.

ALCB 462 VERBAL EXPRESSION

SLO 1. Participating students will demonstrate greater proficiency in conveying thoughts and feelings verbally in social, family and workplace settings.

SLO 2. Participating students will demonstrate improvement in listening skills by recalling information in conversation, displaying patience and social etiquette, showing tolerance and respect for diversity, and recognizing and responding appropriately to social and nonverbal cues.

ALCB 462X VERBAL EXPRESSION

SLO 1. Participating students will demonstrate greater proficiency in conveying thoughts and feelings verbally in social, family and workplace settings.

SLO 2. Participating students will demonstrate improvement in listening skills by recalling information in conversation, displaying patience and social etiquette, showing tolerance and respect for diversity, and recognizing and responding appropriately to social and nonverbal cues.

ALCB 462Y VERBAL EXPRESSION

SLO 1. Participating students will demonstrate greater proficiency in conveying thoughts and feelings verbally in social, family and workplace settings.

SLO 2. Participating students will demonstrate improvement in listening skills by recalling information in conversation, displaying patience and social etiquette, showing tolerance and respect for diversity, and recognizing and responding appropriately to social and nonverbal cues.

ALCB 462Z VERBAL EXPRESSION

SLO 1. Participating students will demonstrate greater proficiency in conveying thoughts and feelings verbally in social, family and workplace settings.

SLO 2. Participating students will demonstrate improvement in listening skills by recalling information in conversation, displaying patience and social etiquette, showing tolerance and respect for diversity, and recognizing and responding appropriately to social and nonverbal cues.

ALCB 463 CREATIVE WRITING

SLO 1. Participating students will explore one or more forms of fictional or nonfictional writing (e.g., memoir, essay, short story, poetry, travel writing, vignette, etc.) by crafting short pieces each week to be read aloud and critiqued.

SLO 2. Participating students will show evidence of their ability to give and receive constructive feedback on written work.

ALCB 463X CREATIVE WRITING

SLO 1. Students in Life Stories Creative Writing classes will gain a deeper appreciation of their lives by writing about their experiences and what they have learned from them.

SLO 2. Reflecting about experiences in order to develop insights about life will enable students to create a written legacy and share with what they have learned with other.

ALCB 463Y CREATIVE WRITING

SLO 1. Participating students will explore one or more forms of fictional or nonfictional writing (e.g., memoir, essay, short story, poetry, travel writing, vignette, etc.) by crafting short pieces each week to be read aloud and critiqued.

SLO 2. Participating students will show evidence of their ability to give and receive constructive feedback on written work.

ALCB 464 POETRY & LITERATURE

SLO 1. Participating students will show evidence that, through critical reading of selected texts, reinforced by lecture, discussion and in-class writing, they have attained a broader understanding of poetry and literature's diversity and expressive power.

SLO 2. Participating students will demonstrate their understanding of one or more critical terms useful in analyzing poetry and literature (e.g., rhyme, meter, metaphor, diction, plot, point of view, character development, dialogue, and genre).

ALCB 464X POETRY & LITERATURE

SLO 1. Participating students will show evidence that, through critical reading of selected texts, reinforced by lecture, discussion and in-class writing, they have attained a broader understanding of poetry and literature's diversity and expressive power.

SLO 2. Participating students will demonstrate their understanding of one or more critical terms useful in analyzing poetry and literature (e.g., rhyme, meter, metaphor, diction, plot, point of view, character development, dialogue, and genre).

ALCB 464Y POETRY & LITERATURE

SLO 1. Participating students will show evidence that, through critical reading of selected texts, reinforced by lecture, discussion and in-class writing, they have attained a broader understanding of poetry and literature's diversity and expressive power.

SLO 2. Participating students will demonstrate their understanding of one or more critical terms useful in analyzing poetry and literature (e.g., rhyme, meter, metaphor, diction, plot, point of view, character development, dialogue, and genre).

ALCB 465 CREATIVE SELF-EXPRESSION

- SLO 1. Participating students will demonstrate an understanding of how adapted forms of artistic expression can enhance creativity and self-expression.
- SLO 2. Participating students will demonstrate their ability to utilize a creative medium for self-expression (e.g., drama, music, art or writing).

ALCB 465X CREATIVE SELF-EXPRESSION

- SLO 1. Participating students will demonstrate an understanding of how adapted forms of artistic expression can enhance creativity and self-expression.
- SLO 2. Participating students will demonstrate their ability to utilize a creative medium for self-expression (e.g., drama, music, art or writing).

ALCB 465Y CREATIVE SELF-EXPRESSION

- SLO 1. Participating students will demonstrate an understanding of how adapted forms of artistic expression can enhance creativity and self-expression.
- SLO 2. Participating students will demonstrate their ability to utilize a creative medium for self-expression (e.g., drama, music, art or writing).

ALCB 465Z CREATIVE SELF-EXPRESSION

- SLO 1. Participating students will demonstrate an understanding of how adapted forms of artistic expression can enhance creativity and self-expression.
- SLO 2. Participating students will demonstrate their ability to utilize a creative medium for self-expression (e.g., drama, music, art or writing).

ALCB 481 EXERCISE FOR THE OLDER DISABLED ADULT

- SLO 1. Participating students will achieve improvements in their personal fitness levels in one or more of the following categories: proprioception (body awareness), balance, movement efficiency, strength, endurance, flexibility, range of motion, and aerobic capacity.
- SLO 2. Participating students will demonstrate their understanding of the connections between exercise, health and well-being.

ALCB 481X EXERCISE FOR THE OLDER DISABLED ADULT

- SLO 1. Participating students will achieve improvements in their personal fitness levels in one or more of the following categories: proprioception (body awareness), balance, movement efficiency, strength, endurance, flexibility, range of motion, and aerobic capacity.
- SLO 2. Participating students will demonstrate their understanding of the connections between exercise, health and well-being.

ALCB 481Y EXERCISE FOR THE OLDER DISABLED ADULT

- SLO 1. Participating students will achieve improvements in their personal fitness levels in one or more of the following categories: proprioception (body awareness), balance, movement efficiency, strength, endurance, flexibility, range of motion, and aerobic capacity.
- SLO 2. Participating students will demonstrate their understanding of the connections between exercise, health and well-being.

ALCB 481Z EXERCISE FOR THE OLDER DISABLED ADULT

- SLO 1. Participating students will achieve improvements in their personal fitness levels in one or more of the following categories: proprioception (body awareness), balance, movement efficiency, strength, endurance, flexibility, range of motion, and aerobic capacity.
- SLO 2. Participating students will demonstrate their understanding of the connections between exercise, health and well-being.

8 of 7 Course IDs for ALLD in the Adaptive Learning Division have SLO's. 2009-2010

Course ID	Title	SLO's
ALLD 206	PARAGRAPH REMEDIATION	

- SLO 1. - Identify particular learning style, strengths, and weaknesses using writing assessment and learning styles inventory
- SLO 2. - Identify particular learning style, strengths, and weaknesses using writing assessment and learning styles inventory
- Develop writing strategies and compensatory techniques focusing on structure, content and analysis.

ALLD 207	BASIC MATH REMEDIATION	
	SLO 1. Identify their particular learning style, strengths and weaknesses teacher observation notes and learning styles assessment results.	
	SLO 2. - Develop and apply compensatory strategies, effective study skills and test taking methods.	
ALLD 207X	BASIC MATH REMEDIATION	
	SLO 1. Identify their particular learning style, strengths and weaknesses teacher observation notes and learning styles assessment results.	
	SLO 2. Develop and apply compensatory strategies, effective study skills and test taking methods.	
ALLD 210	UNDERSTANDING LEARNING DIFFERENCES	No SLOs on file.
ALLD 211	ENHANCING COLLEGE SUCCESS	
	SLO 1. Describe their strengths and weaknesses based on personal history	
	SLO 2. Describe 2 long term goals and formulate a plan to accomplish them	
	SLO 3. Visit a college campus and describe how it may or may not enhance student's future goals.	
ALLD 211S	ENHANCING COLLEGE SUCCESS	No SLOs on file.
ALLD 212	STUDENT SUCCESS STRATEGIES	No SLOs on file.

23 of 21 Course IDs for *ALTW* in the Adaptive Learning Division have SLO's. 2009-2010

Course ID	Title	SLO's
ALTW 201	BASIC ENGLISH FOR THE DISABLED STUDENT	
	SLO 1. A. compose a sentence that is grammatically correct and punctuated correctly.	
	SLO 2. B. understand and compose simple paragraphs.	
	SLO 3. C. demonstrate ability to apply basic English skills through practical applications.	
ALTW 202	BASIC MATH SKILLS FOR THE DISABLED STUDENT	
	SLO 1. A. understand basic math functions and money handling.	
	SLO 2. B. count money and make change.	
ALTW 203	LEARNING STYLES & STRATEGIES FOR THE DISABLED STUDENT	
	SLO 1. A. understand his/her learning style and patterns	
	SLO 2. B. identify personal values and attributes	
	SLO 3. C. find and understand work style and developmental needs	
	SLO 4. D. develop his /her personal profile	
ALTW 204	COMMUNICATION SKILLS FOR THE DISABLED STUDENT	
	SLO 1. A. demonstrate appropriate assertive skills to start and end conversations.	
	SLO 2. B. understand the role of non-verbal body language in the communication process.	
ALTW 205	OFFICE SKILLS FOR THE DISABLED STUDENT	
	SLO 1. A. describe the different filing systems	
	SLO 2. B. be familiar with e-mail procedures such as sending an attachment.	

- SLO 3. C. understand the Postal Service and basic mail handling procedures.
- ALTW 206 BEGINNING WORD PROCESSING FOR THE DISABLED STUDENT
- SLO 1. Demonstrate ability to save files to and retrieve files from a flash drive
- SLO 2. Produce and format a Word document
- ALTW 207 RESOURCES IN THE COMMUNITY FOR THE DISABLED STUDENT
- SLO 1. A. identify and access community support systems
- SLO 2. B. identify types of public transit.
- SLO 3. C. become familiar with public & private resources in the community
- ALTW 208 JOB TRAINING/INTERNSHIP FOR THE DISABLED STUDENT
- SLO 1. A. explore vocational choices
- SLO 2. B. experience "on-the-job" training on Foothill Campus
- SLO 3. C. learn from work evaluations from supervisors from performance of job responsibilities at work site
- ALTW 209 SOCIAL SKILLS FOR THE DISABLED STUDENT
- SLO 1. A. the student will be able to demonstrate improved self-esteem.
- SLO 2. B. the student will be able to demonstrate an understanding and application of appropriate social skills.
- SLO 3. C. the student will be able to use appropriate behavior in professional and work situations.
- SLO 4. D. the student will interact more effectively with peers, family members and others.
- ALTW 210 OFFICE APPLICATIONS FOR THE DISABLED STUDENT
- SLO 1. A. demonstrate ability to complete assigned office tasks
- SLO 2. B. understand and use office etiquette in performing clerical functions.
- SLO 3. C. demonstrate oral communication and telecommunication skills.
- SLO 4. D. demonstrate the ability to use fax, telephone, copy machines and internet.
- ALTW 211 INTRODUCTION TO EXCEL FOR THE DISABLED STUDENT
- SLO 1. Produce simple data entry tasks such as creating a spreadsheet, entering data and editing data in a spreadsheet
- SLO 2. Use Excel to add, subtract, multiply and divide.
- ALTW 212 JOB SEARCH SKILLS: THE RESUME FOR THE DISABLED STUDENT
- SLO 1. A. identify skills and define a realistic job objective
- SLO 2. B. identify and develop personal information.
- SLO 3. C. develop and write a "working" resume on the computer
- SLO 4. D. fill out a sample job application.
- ALTW 213 WORK ATTITUDES & BEHAVIOR FOR THE DISABLED STUDENT
- SLO 1. A. students comprehend appropriate work behavior
- SLO 2. B. students understand and respond to criticism and evaluations.
- SLO 3. C. students identify their fears and expectations as they relate to work.
- ALTW 214 JOB SEARCH SKILLS: THE INTERVIEW FOR THE DISABLED STUDENT
- SLO 1. A. become familiar with most frequently asked interview questions
- SLO 2. B. demonstrate good interviewing techniques
- SLO 3. C. relate education, experience and skills in an interview
- SLO 4. D. handle difficult questions during an interview.

- ALTW 215 TRANSITION TO WORK FOR THE DISABLED STUDENT
 SLO 1. A. prepare personal informational portfolio/folder
 SLO 2. B. set realistic job goals
 SLO 3. C. identify tools for job preparation and job search
- ALTW 216 DISABILITY & THE LAW FOR THE DISABLED STUDENT
 SLO 1. A. understands their disability and learn about the disabilities of others
 SLO 2. B. understands their basic citizens' rights and responsibilities
 SLO 3. C. understand the importance of the Americans with Disability Act/accommodations
- ALTW 217 INTERMEDIATE COMPUTER APPLICATIONS FOR THE
 DISABLED STUDENT
 SLO 1. Demonstrate the ability to create a 3 page PowerPoint presentation
 SLO 2. Demonstrate the ability to make a 3 minute presentation to his/her peers.
- ALTW 218 CURRENT EVENTS FOR THE DISABLED STUDENT
 SLO 1. A. list three different sources of news information.
 SLO 2. B. list the advantages and disadvantages of receiving news through the media.
 SLO 3. C. identify specific types of information in a newspaper.
 SLO 4. D. explain how to use a television guide in order to find current events programming.
- ALTW 219 USING THE INTERNET FOR THE DISABLED STUDENT
 SLO 1. A. understand about the Internet and the World Wide Web and how it evolved
 SLO 2. B. define Internet vocabulary, terminology and etiquette.
 SLO 3. C. describe Internet hardware and software
 SLO 4. D. demonstrate how to access the specific information
 SLO 5. E. understand and practice Internet etiquette
- ALTW 401 ELIGIBILITY ASSESSMENT FOR THE DISABLED STUDENT
 SLO 1. Perform reading and math at levels appropriate to complete the TTW assignments.
 SLO 2. Work independently.
- ALTW 402 TRANSITION TO WORK ORIENTATION
 SLO 1. A. identify goals of the Transition to Work (TTW) program
 SLO 2. B. understand Foothill College and Transition to Work Behavior Guidelines
 SLO 3. C. become familiar with the Foothill College services and resources

22 of 24 Course IDs for *ANTH* in the Business and Social Sciences Division 2009-2010
 have SLO's.

Course ID	Title	SLO's
ANTH 1	INTRODUCTION TO PHYSICAL ANTHROPOLOGY	<p>SLO 1. Students will practice and apply understandings of evolution.</p> <p>SLO 2. Students will learn how to critically analyze and interpret physical anthropological data.</p> <p>SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.</p>
ANTH 1L	PHYSICAL ANTHROPOLOGY LABORATORY	<p>SLO 1. Students will practice and apply understandings of evolution in a laboratory setting.</p> <p>SLO 2. Students will learn how to critically analyze and interpret physical anthropological data.</p> <p>SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.</p>

- ANTH 2A CULTURAL ANTHROPOLOGY
- SLO 1. Students will practice cultural relativism and apply understandings of global diversity.
 - SLO 2. Students will learn how to critically analyze and interpret ethnographic data.
 - SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.
- ANTH 2B PATTERNS OF CULTURE
- SLO 1. Students will practice cultural relativism and apply understandings of global diversity to investigations of current society.
 - SLO 2. Students will learn how to critically analyze and interpret ethnographic data acquired as part of in-depth field research.
 - SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.
- ANTH 3 PREHISTORY: THE SEARCH FOR LOST CIVILIZATIONS
- SLO 1. Students will practice and apply understandings of the development of civilizations.
 - SLO 2. Students will learn how to critically analyze and interpret archaeological data.
 - SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.
- ANTH 4 FIRST PEOPLES OF NORTH AMERICA
- SLO 1. Students will practice and apply understandings of North American indigenous groups' persistent lifestyles, cultural continuities and changes, and current impacts upon national economics, history, popular culture, and political systems.
 - SLO 2. Students will learn how to critically analyze and interpret historical data about Native Americans.
 - SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.
- ANTH 5 MAGIC, SCIENCE & RELIGION
- SLO 1. Students will practice and apply understandings of the ways in which people have attempted to gain mastery over the natural and supernatural worlds.
 - SLO 2. Students will learn how to critically analyze and interpret ethnographic data.
 - SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.
- ANTH 6 PEOPLES OF AFRICA
- SLO 1. Students will practice and apply understandings of historical and contemporary cultural diversity of Africa emphasizing its social, political and economic organizational structures.
 - SLO 2. Students will learn how to critically analyze and interpret ethnographic data on the African Diaspora.
 - SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.
- ANTH 8 INTRODUCTION TO ARCHAEOLOGY
- SLO 1. Students will practice and apply understandings of archaeological method and theory.
 - SLO 2. Students will learn how to critically analyze and interpret archaeological data gathered from fieldwork.
 - SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.
- ANTH 8L ARCHAEOLOGY LABORATORY
- SLO 1. Students will practice and apply understandings of archaeological laboratory methods and techniques of archaeology, including cataloging, care and analysis of artifacts, bone recognition, and archaeological excavation.

SLO 2. Students will learn how to critically analyze and interpret laboratory data gathered from archaeological fieldwork.

SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 8LX ARCHAEOLOGY LABORATORY

SLO 1. Students will practice and apply understandings of archaeological laboratory methods and techniques of archaeology, including cataloging, care and analysis of artifacts, bone recognition, and archaeological excavation.

SLO 2. Students will learn how to critically analyze and interpret laboratory data gathered from archaeological fieldwork.

SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 8LY ARCHAEOLOGY LABORATORY

SLO 1. Students will practice and apply understandings of archaeological laboratory methods and techniques of archaeology, including cataloging, care and analysis of artifacts, bone recognition, and archaeological excavation.

SLO 2. Students will learn how to critically analyze and interpret laboratory data gathered from archaeological fieldwork.

SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 11 ARCHAEOLOGICAL FIELD METHODS

SLO 1. Students will practice and apply understandings of archaeological field methods.

SLO 2. Students will learn how to critically analyze and interpret archaeological data gathered from fieldwork.

SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 11B ARCHAEOLOGY SURVEY

SLO 1. Students will practice and apply understandings of field survey in archaeology.

SLO 2. Students will learn how to critically analyze and interpret archaeological data gathered from field survey.

SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 12 APPLIED ANTHROPOLOGY

No SLOs on file.

ANTH 20 NATIVE PEOPLES OF CALIFORNIA

No SLOs on file.

ANTH 22 THE AZTEC, MAYA & THEIR PREDECESSORS

No SLOs on file.

ANTH 34H HONORS INSTITUTE SEMINAR IN ANTHROPOLOGY

SLO 1. Students will practice and apply understandings of directed readings, discussions and projects in anthropology.

SLO 2. Students will learn how to critically analyze and interpret anthropological data.

SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 35 DEPARTMENT HONORS PROJECTS IN ANTHROPOLOGY

SLO 1. Students will practice and apply understandings of directed readings, discussions and projects in anthropology.

SLO 2. Students will learn how to critically analyze and interpret anthropological data.

SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 36 SPECIAL PROJECTS IN ANTHROPOLOGY

SLO 1. Students will practice and apply understandings of a special project in anthropology.

SLO 2. Students will learn how to critically analyze and interpret anthropological data.

SLO 3. Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 36X SPECIAL PROJECTS IN ANTHROPOLOGY

- SLO 1.** Students will practice and apply understandings of a special project in anthropology.
- SLO 2.** Students will learn how to critically analyze and interpret anthropological data.
- SLO 3.** Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 36Y SPECIAL PROJECTS IN ANTHROPOLOGY

- SLO 1.** Students will practice and apply understandings of a special project in anthropology.
- SLO 2.** Students will learn how to critically analyze and interpret anthropological data.
- SLO 3.** Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 36Z SPECIAL PROJECTS IN ANTHROPOLOGY

- SLO 1.** Students will practice and apply understandings of a special project in anthropology.
- SLO 2.** Students will learn how to critically analyze and interpret anthropological data.
- SLO 3.** Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ANTH 50 MEDICAL ANTHROPOLOGY: METHODS & PRACTICE

- SLO 1.** Students will practice and apply understandings of an evolutionary perspective to changing relationships between human societies, ecologies and illness.
- SLO 2.** Students will learn how to critically analyze and interpret methods and practice of medical anthropology.
- SLO 3.** Students will apply anthropological principles for solving human problems on the local, regional and world scales.

16 of 20 Course IDs for *APEL* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
APEL 112	RESIDENTIAL ELECTRICAL AIR CONDITIONING & REFRIGERATION; TELEPHONE SYSTEMS	<ul style="list-style-type: none"> SLO 1. Demonstrate the proper procedure to test for power in an air condition system SLO 2. Identify the parts in a Telephone system
APEL 113	RESIDENTIAL ELECTRICAL SYSTEMS: BASIC SECURITY, SOLAR POWER, HOME AUTOMATION & LIFE SAFETY	<ul style="list-style-type: none"> SLO 1. Identify the parts in residential electrical system SLO 2. Describe the components in a residential life safety
APEL 120	ORIENTATION TO THE ELECTRICAL TRADE	<ul style="list-style-type: none"> SLO 1. Demonstrate jobsite Safety and OSHA Regulations SLO 2. Explain and use OHMS Law SLO 3. Apply electrical theory for basic units SLO 4. Apply electrical theory for series circuits
APEL 121	ELECTRON THEORY; BASIC BLUEPRINT READING; DC THEORY; NATIONAL ELECTRICAL CODE INTRODUCTION	<ul style="list-style-type: none"> SLO 1. Use Pipe Bender to bend conduit SLO 2. Apply DC theory to electrical circuits SLO 3. Apply electrical theory to parallel circuits

SLO 4. Explain direct and alternating current

APEL 122 CODEOLOGY; TEST EQUIPMENT; PIPE BENDING; BLUEPRINTS

SLO 1. Explain the Codeology method

SLO 2. Explain principles & theory of electricity and magnetism

SLO 3. Apply theory to transformers and connections

SLO 4. Calculate load

APEL 123 AC THEORY; TRANSFORMERS; INTERMEDIATE NATIONAL ELECTRICAL CODE

SLO 1. Explain how and why transformers are used

SLO 2. Explain the dangers of transformers

SLO 3. Perform mathematical calculations for sizing a transformer

SLO 4. Lay out wire sizes for a transformer

APEL 124 DC/AC THEORY REVIEW; ELECTRONICS; INDUSTRIAL BLUEPRINTS

SLO 1. Read & understand blueprints

SLO 2. Use single line power diagrams

SLO 3. Identify circuits for lighting and power

SLO 4. Safely install basic electrical systems and their applications

APEL 125 NEC GROUNDING; OVERCURRENT PROTECTION; TRANSFORMER CONNECTIONS

SLO 1. Lay out ground sizes for equipment

SLO 2. Prepare and use a ground rod

SLO 3. Identify grounding requirements for an electrical service

SLO 4. Explain and apply ground fault protection to circuitry

APEL 126 MOTORS; MOTOR CONTROL; LIGHTING PROTECTION

SLO 1. Identify motor controls symbols

SLO 2. Explain line and wiring diagram construction of motor control circuits

SLO 3. Explain the logic of control circuits

SLO 4. Introduce manual and automatic motor control fundamentals using relays, contactors, magnetic motor starters and control components

SLO 5. Explain the practical applications of motor controls with AC and DC motors and how they are used for control commercial and industrial equipment

SLO 6. Work on or around mechanical and electrical equipment

SLO 7. Identify lock out/tag out procedures

SLO 8. Demonstrate use of person protective equipment

APEL 127 DIGITAL ELECTRONICS; MOTOR SPEED CONTROL; ADVANCED NATIONAL ELECTRICAL CODE

SLO 1. Apply electric motor drive component theory and operation

SLO 2. Install an electrical motor drive

SLO 3. Explain programming fundamentals for electrical motors

SLO 4. Elaborate on construction and electrical safety regulations

SLO 5. Pass the OSHA 30 hour certification exam

APEL 127A DIGITAL ELECTRONICS; MOTOR SPEED CONTROL

No SLOs on file.

APEL 128 PROGRAMMABLE LOGIC CONTROLLERS; LOW VOLTAGE SYSTEMS & HIGH VOLTAGE SYSTEMS

SLO 1. Identify fire alarm equipment

SLO 2. Explain a fire alarm system

SLO 3. Explain fire alarm circuits

SLO 4. Demonstrate the use of methods for installing a fire alarm system

APEL 129	NATIONAL ELECTRICAL CODE REVIEW	
	SLO 1. Describe the organization of the National Electrical Code	
	SLO 2. Describe the process of adopting a National Electrical Code Standard	
	SLO 3. Discuss the NEC Codes and their purpose	
	SLO 4. Identify the importance of conductors and explain the types of conductors	
APEL 129A	ELECTRICAL SYSTEMS	No SLOs on file.
APEL 129B	BASIC ESTIMATING/TAKE-OFF & ELECTRICAL SAFETY-RELATED WORK PRACTICES	No SLOs on file.
APEL 130	OSHA SAFETY & HEALTH	No SLOs on file.
APEL 135	RESIDENTIAL ELECTRICAL ORIENTATION; SAFETY & CODE INTRODUCTION	
	SLO 1. Identify the different types of wiring in a residential installation	
	SLO 2. Utilize the National Electrical Code to describe the purpose of the NEC	
APEL 136	RESIDENTIAL ELECTRICAL D/C THEORY; BLUEPRINT READING	
	SLO 1. Demonstrate the use of Ohms Law in a DC circuit	
	SLO 2. Properly identify electrical symbols on a blueprint	
APEL 137	RESIDENTIAL ELECTRICAL A/C THEORY & CIRCUITRY	
	SLO 1. Demonstrate the use of Ohms Law in an AC circuit	
	SLO 2. Properly makeup a circuit with a light, switch and a duplex receptacle	
APEL 138	RESIDENTIAL WIRING LAYOUT & INSTALLATION	
	SLO 1. Layout and wire a basic kitchen	
	SLO 2. Layout and wire a bedroom and hallway	

1 of 16 Course IDs for *APIW* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
APIW 100	INTRODUCTION TO IRONWORKING	
	SLO 1. Demonstrate knowledge and skills required in the ironworking trade	
	SLO 2. Demonstrate general safety practices and procedures in the handling of tools and materials	
	SLO 3. Demonstrate knowledge of basic rigging principles and modern applications of each principle	
	SLO 4. Describe relationships of concrete and steel, manufacture of reinforcing steel, and qualities of the finished product	
	SLO 5. Summarize the uses of iron and steel and the advantages of cast-iron over masonry/wood	
	SLO 6. Explain the principle welding processes, the uses of welding, and the selection of the proper welding process	
	SLO 7. Solve basic mathematical calculations	
	SLO 8. Certify in the ten hour OSHA safety course	
APIW 101	MIXED BASE	No SLOs on file.
APIW 102	REINFORCING IRON I	No SLOs on file.
APIW 103	RIGGING I	No SLOs on file.
APIW 104	IRONWORKER HISTORY & TRADE SCIENCE	No SLOs on file.
APIW 105	WELDING I	No SLOs on file.
APIW 106	STRUCTURAL I	No SLOs on file.

APIW 107	WELDING II	No SLOs on file.
APIW 109	POST-TENSIONING I	No SLOs on file.
APIW 110	ARCHITECTURAL I	No SLOs on file.
APIW 111	ARCHITECTURAL II	No SLOs on file.
APIW 112	LEAD HAZARD TRAINING	No SLOs on file.
APIW 113	SMALL STRUCTURE ERECTION	No SLOs on file.
APIW 114	WELDING III	No SLOs on file.
APIW 115	CRANES	No SLOs on file.
APIW 116	FOREMAN TRAINING	No SLOs on file.

25 of 24 Course IDs for *APPR* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
APPR 111	BASIC MATH, SCIENCE & ELECTRICITY SLO 1. Perform mathematical operations SLO 2. Calculate piping off-sets SLO 3. Calculate pipe fitting allowances in pipe measurements	
APPR 117A	CUTTING & WELDING FOR PLUMBERS	No SLOs on file.
APPR 132C	MECHANICAL SYSTEMS	No SLOs on file.
APPR 139A	REMEDIAL CONSTRUCTION TRADE MATH SLO 1. Apply addition, subtraction, multiplication and division fundamentals to worksite problems SLO 2. Convert decimals to fractions and vice versa working with common units of measure	
APPR 150	BASIC THEORY, USE OF TOOLS, JOB SAFETY & HEALTH	No SLOs on file.
APPR 151	THEORY & PRACTICE OF GAS WELDING, COPPER, CAST IRON, BRAZING, PLASTIC HOT AIR WELDING, VICTALIC, FLANGE, & FLAME CUTTING	No SLOs on file.
APPR 161	AIR CONDITIONING, PNEUMATIC CONTROLS, INSTRUMENTATION & PROCESS CONTROLS	No SLOs on file.
APPR 163	REFRIGERATION ASSEMBLY & REPAIR	No SLOs on file.
APPR 164	TRANSIT; SOLAR; SPECIAL PURPOSE INSTALLATIONS; SERVICE WORK & HUMAN RELATIONSHIP; HYDRONIC HEATING & COOLING	No SLOs on file.
APPR 165	APPRENTICESHIP ENERGY MANAGEMENT	No SLOs on file.
APPR 178	STRUCTURAL II SLO 1. Interpret and define the principles of scaffolds and ladder safety SLO 2. Apply erection principles to metal decking SLO 3. Apply installation techniques to Metal sheeting SLO 4. Describe erection methods of Bridges SLO 5. Describe principles of Tower erection SLO 6. Identify tools and equipment necessary for Wind Turbine erection SLO 7. Describe methods for erecting Clear span and modular Structures SLO 8. Identify welding & bolting techniques used in erecting Amusement Park structures SLO 9. Apply installation techniques with Composite materials SLO 10. Interpret information from Blueprints and erection drawings	
APPR 183A	BASIC ELECTRICITY FOR SHEET METAL & AIR CONDITIONING SERVICE SLO 1. Describe the difference between AC and DC electrical current SLO 2. Explain and safely measure voltage, amperage and ohms	

- APPR 183B ADVANCED ELECTRICITY FOR SHEET METAL & AIR
CONDITIONING SERVICE
SLO 1. Explanation of induction principle used in transformers
SLO 2. Fabricate wire and test a basic HVAC control circuit
- APPR 184A AIR CONDITIONING; COMMERCIAL SYSTEMS; HEATING
(FOURTH YEAR SERVICE)
SLO 1. Describe two common methods of refrigerant capacity control
SLO 2. Identify commercial refrigeration system components, including filter dryers, solenoid
valves, sight glasses, expansion valves
- APPR 184B COMMERCIAL SYSTEMS; HEAT LOADS; PIPING (FOURTH YEAR
SERVICE)
SLO 1. Explain the following commercial heating methods: warm air, hydronic and heat pump
SLO 2. Discuss the fundamental uses of heat pumps
- APPR 185A BASIC REFRIDGERATION FOR SHEET METAL AIR
CONDITIONING SERVICE
SLO 1. Demonstrate the use of refrigeration gauges
SLO 2. Describe and use high vacuum evacuation equipment in a refrigeration circuit
- APPR 185B ADVANCED REFRIGERATION FOR SHEET METAL AIR
CONDITIONING SERVICE
SLO 1. Diagnose a compressor burn out due to contaminated refrigerant
SLO 2. Perform a compressor change-out
- APPR 186A PROPERTIES OF AIR DISTRIBUTION FOR SHEET METAL AIR
CONDITIONING SERVICE
SLO 1. Use a psychrometric chart to plot air conditioning processes
SLO 2. Define the relationship between air volume and air pressure in HVAC systems
- APPR 186B REFRIDGERATION THEORY FOR SHEET METAL AIR
CONDITIONING SERVICE
SLO 1. Charge a refrigerant system using three methods: weight, subcooling and superheat
SLO 2. Explain how the refrigeration cycle is reversed in a heat pump
- APPR 187 INDUSTRIAL FIRST AID & CPR TRAINING No SLOs on file.
- APPR 188A ORIENTATION; SAFETY & BEGINNING RESIDENTIAL SHEET
METAL INSTALLATION (SPECIALIST 1A)
SLO 1. Identify common tools used in residential sheet metal installation
SLO 2. Demonstrate and apply layout and fabrication skills to basic gutter and downspout miters
- APPR 188B RESIDENTIAL COMPONENTS IDENTIFICATION & INSTALLATION
(SPECIALIST 1B)
SLO 1. Identify common seams, connections and fasteners used in residential sheet metal
SLO 2. Demonstrate gutter or flashing miter and soldering skills
- APPR 189A RESIDENTIAL SYSTEMS; DUCT & HVAC SYSTEMS (SPECIALIST
2A)
SLO 1. Describe flashing principles and their different applications
SLO 2. Locate building code requirements for flues, furnaces and other residential HVAC
systems
- APPR 189B PLANS & ARCHITECTURAL APPLICATIONS FOR RESIDENTIAL
SHEET METAL (SPECIALIST 2B)
SLO 1. Fabricate complex flashing, gutter and downspout connections

SLO 2. Produce take-offs and measurements from residential plans

13 of 62 Course IDs for *APPT* in the Computers, Technology & Information Systems Division have SLO's.

2009-2010

Course ID	Title	SLO's
APPT 121	INTRODUCTION TO RESIDENTIAL PLUMBING, SAFETY & TOOLS	
APPT 122	RESIDENTIAL DRAINAGE SYSTEMS	No SLOs on file.
APPT 123	RESIDENTIAL GAS & WATER INSTALLATIONS	No SLOs on file.
APPT 124	MATHEMATICS FOR RESIDENTIAL PLUMBING	No SLOs on file.
APPT 125	RESIDENTIAL BLUEPRINT READING	No SLOs on file.
APPT 126	RESIDENTIAL PIPING LAY-OUT & INSTALLATION; RESIDENTIAL FIXTURES	No SLOs on file.
APPT 127	RESIDENTIAL PLUMBING CODE	No SLOs on file.
APPT 128	RESIDENTIAL GAS INSTALLATIONS;SERVICE WORK	No SLOs on file.
APPT 129	SPECIAL TOPICS	No SLOs on file.
APPT 130	REVIEW & TURNOUT	No SLOs on file.
APPT 131	P-101 BASIC PLUMBING SKILLS	
	SLO 1. Identify partners in an apprenticeship	
	SLO 2. Demonstrate the proper use of pipe cutting and threading tools	
	SLO 3. Define common terms used in plumbing	
APPT 132	P-102 APPLIED & RELATED THEORY	
	SLO 1. Calculate piping off-sets	
	SLO 2. Describe process required for sizing fuel gas piping	
	SLO 3. Identify components of building drainage systems	
APPT 133	P-201 BEGINNING DRAWING & DESIGN	
	SLO 1. Identify conventional drafting tools	
	SLO 2. Describe isometric drawings	
	SLO 3. Identify common pipe symbols	
APPT 134A	P-202A RIGGING; LAY-OUT	
	SLO 1. Demonstrate knowledge in the selection and use of slings	
	SLO 2. Identify proper rigging hardware and sling configurations	
	SLO 3. Demonstrate use of the laser level	
APPT 134B	INDUSTRIAL SAFETY	
	SLO 1. Describe the safe use of common personal protective equipment	
	SLO 2. Properly use and maintain various types of respirators	
	SLO 3. List control measures for the elimination and controls of hazards	
APPT 135A	P-301A PLUMBING FIXTURES	
	SLO 1. List components of gas water heaters	
	SLO 2. Describe operation of diaphragm direct flush valves	
	SLO 3. Demonstrate the use of special tools and equipment for setting fixtures	
APPT 135B	P-301B PLUMBING CODES	
	SLO 1. Define the term "shall" as it pertains to the UPC	
	SLO 2. Define the term "fixture unit"	
	SLO 3. Demonstrate knowledge of code requirements for clean-outs	

APPT 136	P-302 ADVANCED TRADE MATH FOR PLUMBERS	
	SLO 1. Calculate pipe diagonals and derive pipe lengths	
	SLO 2. Calculate elevation and grade	
	SLO 3. Calculate rolling offsets	
APPT 137A	P 401A WATER SYSTEMS	No SLOs on file.
APPT 137B	P-401B APPLIED WELDING	
	SLO 1. Demonstrate the proper assembly of oxy-fuel equipment	
	SLO 2. Demonstrate proper flame cutting techniques on steel plate and pipe	
	SLO 3. Describe electrodes and the fundamental operating characteristics of SMAW	
APPT 138	P 402 ADVANCED DRAWING & BLUEPRINT READING	No SLOs on file.
APPT 139A	INDUSTRIAL INSTALLATIONS	No SLOs on file.
APPT 139B	MEDICAL GAS INSTALLATIONS	
	SLO 1. Define Level 1 medical air supply systems	
	SLO 2. Describe medical-surgical vacuum systems	
	SLO 3. Describe performance criteria and testing	
APPT 141	SF 101 BASIC STEAMFITTING SKILLS	No SLOs on file.
APPT 142	SF-102 RELATED MATH, DRAWING & RIGGING	No SLOs on file.
APPT 143	SF 201 STEAMFITTER CUTTING & WELDING	No SLOs on file.
APPT 144A	SF 202A SCIENCE; ELECTRICITY & AIR CONDITIONING	No SLOs on file.
APPT 145	SF 301 ADVANCED TRADE MATH FOR STEAMFITTERS	No SLOs on file.
APPT 146	SF 302 STEAM TECHNOLOGY	No SLOs on file.
APPT 147A	SF 401A HYDRONIC SYSTEMS	No SLOs on file.
APPT 147B	SF 401B INDUSTRIAL RIGGING	No SLOs on file.
APPT 148	SF 402 ADVANCED DRAWING & BLUEPRINT READING	No SLOs on file.
APPT 151	RF 101 BASIC REFRIGERATION SERVICE SKILLS	No SLOs on file.
APPT 152	RF 102 BASIC ELECTRICITY & REFRIGERATION	No SLOs on file.
APPT 153	RF 201 MECHANICAL SYSTEMS	No SLOs on file.
APPT 154	RF 202 ELECTRIC CONTROLS FUNDAMENTALS	No SLOs on file.
APPT 155	RF 301 ADVANCED ELECTRIC CONTROLS	No SLOs on file.
APPT 156	RF 302 HVAC PNEUMATIC & ELECTRONIC CONTROL SYSTEMS	No SLOs on file.
APPT 157	RF 401 INDUSTRIAL REFRIGERATION & AIR-CONDITIONING SERVICE	No SLOs on file.
APPT 158	RF 402 ADVANCED REFRIGERATION & CHILLERS	No SLOs on file.
APPT 159	RF 501 START, TEST & BALANCE; HVAC SYSTEMS	No SLOs on file.
APPT 161	SAFETY/TOOLS/HERITAGE/SERVICE	No SLOs on file.
APPT 162	MATHEMATICS/SCIENCE FOR THE PLUMBING TRADE	No SLOs on file.
APPT 163	CODE/WATER SUPPLY SYSTEMS	No SLOs on file.
APPT 164	DRAWING I FOR THE PLUMBING TRADE	No SLOs on file.
APPT 165	DRAWING II FOR THE PLUMBING TRADE	No SLOs on file.
APPT 166	WELDING/OXY-ACETYLENE TRAINING	No SLOs on file.
APPT 167	STEAM SYSTEMS/RIGGING/PIPE FITTING & SERVICE	No SLOs on file.
APPT 168	MEDICAL GAS/HYDRONICS	No SLOs on file.
APPT 169	ADVANCED DRAWING/LAYOUT FOR THE PLUMBING TRADES	No SLOs on file.
APPT 170	CODE II/JUNIOR MECHANICS REVIEW & EXAM	No SLOs on file.
APPT 171	BASIC REFRIGERATION/HERITAGE/CFC	No SLOs on file.
APPT 172	REFRIGERATION SCIENCE	No SLOs on file.
APPT 173	BASIC ELECTRICITY FOR THE HVAC SERVICE TRADE	No SLOs on file.
APPT 174	ADVANCED ELECTRICITY/PNEUMATIC DDC INTRODUCTION	No SLOs on file.
APPT 175	CONTROLS I/ELECTRO PNEUMATICS	No SLOs on file.
APPT 176	CONTROLS II/ADVANCED PNEUMATICS	No SLOs on file.
APPT 177	CALIBRATION/HYDRONICS	No SLOs on file.
APPT 177	START, TEST & BALANCE I	No SLOs on file.

APPT 178	START, TEST & BALANCE II	No SLOs on file.
APPT 179	CHILLERS/SPECIAL SYSTEMS/HVACR STAR REVIEW	No SLOs on file.
APPT 180	HVACR STAR REVIEW & EXIT EXAM	No SLOs on file.
APPT 181	STEAM FITTING & RIGGING GENERAL COURSE	No SLOs on file.

18 of 47 Course IDs for *APRT* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
APRT 106A	SHEET METAL CONTROL SYSTEMS (FIFTH YEAR SERVICE)	
	SLO 1. Describe three different HVAC control systems and how they are used	
	SLO 2. Define zone control and its operation in an HVAC system	
	SLO 3. Discuss two controlling air volume in an HVAC system	
APRT 106B	ENERGY MANAGEMENT & CUSTOMER SERVICE (FIFTH YEAR SERVICE)	
	SLO 1. Analyze, installation, servicing, diagnostics and repair for direct digital control systems	
	SLO 2. Identify the main components of commercial building energy management systems	
APRT 107A	ADVANCED SHEET METAL SERVICE I	
	SLO 1. Compare residential and commercial air distribution systems	
	SLO 2. Compare the proportion and sequential methods for air balancing	
APRT 107B	ADVANCED SHEET METAL SERVICE II	
	SLO 1. Evaluate a hydronic system and demonstrate hydronic pressure and flow measurement	
	SLO 2. Explain the different types of pumps and their uses	
APRT 111	COMPUTER LITERACY FOR TRADE APPRENTICES	
	SLO 1. Identify hardware and software components of a basic computer system	
	SLO 2. Demonstrate proper file management in a Windows operating system	
APRT 140A	ELECTRICAL BASICS FOR RESIDENTIAL HVAC SERVICE I	No SLOs on file.
APRT 140B	REFRIGERATION BASICS FOR RESIDENTIAL HVAC SERVICE	No SLOs on file.
APRT 141A	COMPONENTS OF RESIDENTIAL HVAC SERVICE	No SLOs on file.
APRT 141B	TROUBLESHOOTING DIAGNOSIS & REPAIR FOR RESIDENTIAL HVAC SERVICE	No SLOs on file.
APRT 143A	AIR BALANCE TEST EQUIPMENT & INSTRUMENTS (FIRST YEAR)	
	SLO 1. Explain the operation of testing, adjusting and balancing of HVAC systems	
	SLO 2. Explain and demonstrate general procedures for use of test and balance instruments	
APRT 143B	TEMPERATURE MEASUREMENT INSTRUMENTS & DUCT SYSTEMS (FIRST YEAR)	
	SLO 1. Correctly complete an air balance report	
	SLO 2. Identify common fan types used with duct systems	
APRT 144A	INTRODUCTION TO MARINE SHEET METAL TRAINING FOR APPRENTICES I	
	SLO 1. Identify shipyard abbreviations and terminology	
	SLO 2. Produce a simple mechanical drawing with basic orthographic views	
APRT 144B	INTRODUCTION TO MARINE SHEET METAL TRAINING FOR APPRENTICES II	
	SLO 1. Fabricate a square to square transition	

SLO 2. Apply the 'triangulation' pattern development method

APRT 145	UNIFORM MECHANICAL CODE	No SLOs on file.
APRT 146	BASIC SERVICE SUPERVISION & JOB MANAGEMENT; ENVIRONMENTAL SAFETY FOR SHEET METAL APPRENTICES	No SLOs on file.
APRT 149A	ELECTRICAL SYSTEMS OPERATION, CONTROLS & DEVICES (TAB-2)	
	SLO 1. Read and interpret plans and specifications	
	SLO 2. Describe lockout-tagout procedure for electrical equipment and controls	
APRT 149B	HVAC TESTING & BALANCING PROCEDURES (TAB-2)	
	SLO 1. Demonstrate proper procedures for balancing of HVAC air systems	
	SLO 2. Demonstrate proper procedures for balancing of HVAC hydronic systems	
APRT 150A	AIR DISTRIBUTION & MANUFACTURING SYSTEMS (TAB-3)	
	SLO 1. Identify and explain various pneumatic control systems	
	SLO 2. Identify and compare direct digital control systems	
APRT 150B	SYSTEMS INSTALLATION & TROUBLESHOOTING (TAB-3)	
	SLO 1. Calibrate pneumatic control systems	
	SLO 2. Adjust direct digital control systems	
APRT 151A	INTERMEDIATE MARINE SHEET METAL TRAINING FOR APPRENTICES I	
	SLO 1. Fabricate miters in rectangular duct	
	SLO 2. Explain shipboard safety procedures	
APRT 153A	CONTROL SYSTEMS & CUSTOMER SERVICE I (TAB-4)	
	SLO 1. Describe two types of variable air volume control systems	
	SLO 2. Respond to a typical customer comfort complaint	
APRT 153B	CONTROL SYSTEMS & CUSTOMER SERVICE II (TAB-4)	
	SLO 1. Develop a control strategy based on customer needs	
	SLO 2. Demonstrate knowledge of customer relations management, business practices and procedures	
APRT 154A	PROJECT MANAGEMENT FOR THE TEST & AIR BALANCE INDUSTRY (TAB-5)	
	SLO 1. List the responsibilities of a test and air balance (TAB) project manager	
	SLO 2. Produce a list of the tools, equipment and materials required to complete a TAB project	
APRT 154B	HAZARDOUS MATERIAL RECOGNITION FOR THE TEST & AIR BALANCE INDUSTRY (TAB-5)	
	SLO 1. Prepare electrical and fire safety checklist	
	SLO 2. Explain confined space training requirements	
APRT 155A	SAFETY & TOOLS FOR SHEET METAL SIDING & DECKING APPRENTICES	No SLOs on file.
APRT 155B	BLUEPRINT READING FOR SHEET METAL SIDING & DECKING APPRENTICES	No SLOs on file.
APRT 156A	WELDING FOR SHEET METAL SIDING & DECKING APPRENTICES	No SLOs on file.
APRT 156B	MEASURING, DRAWING & LIFTING DEVICES FOR SHEET METAL SIDING & DECKING APPRENTICES	No SLOs on file.
APRT 162	IBEW/NECA HISTORY FOR SOUND & COMMUNICATION	No SLOs on file.

APRT 163	TRADE MATH & COMMUNICATION ELECTRONICS FOR SOUND & COMMUNICATION	No SLOs on file.
APRT 164	INSTALLING, TERMINATING, TESTING DATA & TELEPHONE SYSTEMS FOR SOUND & COMMUNICATION	No SLOs on file.
APRT 170	INTRODUCTION TO THE ELEVATOR CONSTRUCTOR PROGRAM	No SLOs on file.
APRT 171	PIT STRUCTURES; GUIDE RAILS; OVERHEAD INSTALLATION; ROPING & RE-ROPIING	No SLOs on file.
APRT 172	BASIC ELECTRICITY; ELECTRICAL CIRCUITS; ELECTROMAGNETISM	No SLOs on file.
APRT 173	ADVANCED ELECTRICITY; VOLTAGE, CURRENT & RESISTANCE; DC GENERATORS & MOTORS	No SLOs on file.
APRT 174	INDUSTRY ELEVATOR CONSTRUCTION TRAINING; CONSTRUCTION WIRING; DOORS & OPERATORS	No SLOs on file.
APRT 175	HYDRAULICS FOR ELEVATOR CONSTRUCTORS; ESCALATORS & MOVING WALKS	No SLOs on file.
APRT 176	CIRCUIT TRACING; BASIC ELEVATOR SOLID STATE ELECTRONICS	No SLOs on file.
APRT 177	BASIC ELEVATOR SOLID STATE ELECTRONICS II	No SLOs on file.
APRT 189	PRECAST CONCRETE BUILDINGS	No SLOs on file.
APRT 193	TYPES & USES OF PIPE JOINTS	No SLOs on file.
APRT 194	BUILDING PLUMBING TREES	No SLOs on file.
APRT 195A	INTERMEDIATE TRADE MATHEMATICS FOR PLUMBING RESIDENTIAL SPECIALISTS	No SLOs on file.
APRT 196A	INTERMEDIATE BLUEPRINT READING & ISOMETRIC DRAWING FOR PLUMBING RESIDENTIAL SPECIALISTS	No SLOs on file.
APRT 197A	INTERMEDIATE PLUMBING FIXTURES & APPLIANCES	No SLOs on file.
APRT 198	RESIDENTIAL PLUMBING SERVICE & REPAIR	No SLOs on file.
APRT 199	RESIDENTIAL MECHANICAL SERVICE & REPAIR	No SLOs on file.

8 of 6 Course IDs for APSC in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
APSC 111	JOB INFORMATION, SAFETY, TEST INSTRUMENTS, STRUCTURED CABLING, FIBER OPTICS & BLUEPRINT READING SLO 1. Interpret blueprints used in the construction trade SLO 2. Identify specific industry hand/motorized tools	
	SLO 1. Interpret blueprints used in the construction trade SLO 2. Identify specific industry hand/motorized tools	
	SLO 1. Interpret blueprints used in the construction trade SLO 2. Identify specific industry hand/motorized tools	
APSC 112	DC THEORY, CODES & PRACTICES, BOXES, CONNECTORS & RACEWAYS SLO 1. Interpret and demonstrate Ohm's Law and power/voltage theory through hands-on projects SLO 2. Recall and explain industry electrical and low voltage codes	
APSC 121	AC THEORY, POWER QUALITY, FIRE ALARM SYSTEMS & GROUNDING SLO 1. Analyze an AC circuit and apply Ohm's Law	

SLO 2. Demonstrate proper wiring of a fire alarm system in hands on training

APSC 122 SECURITY, ACCESS CONTROL, TELEPHONY & PAGING SYSTEMS

- SLO 1. Define security terms
- SLO 2. Describe basic telephony devices

APSC 131 SEMICONDUCTORS, NURSE CALL, AUDIO VISUAL SYSTEMS

- SLO 1. Identify different types of semiconductors
- SLO 2. Analyze and design a layout for a home theater system

APSC 132 CCTV SYSTEMS, FIRE/LIFE SAFETY & VOICE DATA VIDEO (VDV) STATE CERTIFICATION PREP

- SLO 1. Construct a CCTV system in a hands on lab
- SLO 2. Navigate the NEC and NFPA 72 reference books

36 of 37 Course IDs for *APSM* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
APSM 101	SMQ-1 TRADE INTRODUCTION	<ul style="list-style-type: none"> SLO 1. Demonstrate safe material handling and ladder use SLO 2. Identify roles of principal trade organizations
APSM 102	SMQ-2 CERTIFIED SAFETY & BEGINNING TRADE MATH	<ul style="list-style-type: none"> SLO 1. Obtain OSHA 10 First Aid/CPR Certification SLO 2. Convert fractions and decimals and use in trade math problems
APSM 103	SMQ-3 SHEET METAL TOOLS & SHOP	<ul style="list-style-type: none"> SLO 1. Use basic hand tools properly SLO 2. Fabricate the following seams: Hand and machine pittsburg, standing seam, outside rectangular tap-in and corner lap
APSM 104	SMQ-4 SOLDERING & COMMON SEAMS	<ul style="list-style-type: none"> SLO 1. Demonstrate flat and vertical soldering skills on various metals to industry standards SLO 2. Maintain and adjust resistance spot welding machine
APSM 105	SMQ-5 DRAFTING INTRODUCTION & VIEWS	<ul style="list-style-type: none"> SLO 1. Use drafting techniques to develop simple scaled drawings SLO 2. Draw normal orthographic projection views
APSM 106	SMQ-6 BEGINNING DUCT FITTINGS	<ul style="list-style-type: none"> SLO 1. Layout and fabricate basic rectangular duct transitions to industry standards SLO 2. Layout and fabricate common rectangular elbows, square elbows, radius elbows and change elbows
APSM 107	SMQ-7 PARALLEL LINE FITTINGS	<ul style="list-style-type: none"> SLO 1. Layout and fabricate a 90 degree round tee fitting to acceptable industry standards SLO 2. Layout and fabricate a round elbow fitting to acceptable industry standards
APSM 108	SMQ-8 TRIANGULATION FITTINGS	<ul style="list-style-type: none"> SLO 1. Layout and fabricate a square to round fitting to acceptable industry standards

- SLO 2. Layout and fabricate a single offset rectangular transition fitting to acceptable industry standards
- APSM 109 SMQ-9 RADIAL LINE LAYOUT & OGEE OFFSETS
- SLO 1. Layout and fabricate a round taper on a pitch fitting to acceptable industry standards
- SLO 2. Layout and fabricate an ogee offset fitting to acceptable industry standards
- APSM 110 SMQ-10 BASICS OF ARCHITECTURAL SHEET METAL
- SLO 1. Layout, fabricate and solder basic gutters, with miters, end caps, expansion joints and outlets
- SLO 2. Layout, fabricate and solder basic gutter downspouts
- APSM 111 SMQ-11 ARCHITECTURAL SHEET METAL
- SLO 1. Layout, fabricate and solder a chimney cricket
- SLO 2. Layout filed miters and profiles on pre-fabricated architectural materials
- APSM 112 SMQ-12 FIELD INSTALLATION
- SLO 1. Identify the proper techniques for rigging a load
- SLO 2. Put on a safety harness properly
- APSM 113 SMQ-13 WELDING 1: PROCESS & SAFETY OVERVIEW
- SLO 1. Identify five PPE, (personal protective equipment) and items associated with working in a welding environment
- SLO 2. Demonstrate the proper procedure for setting up GMAW equipment
- APSM 114 SMQ-14 WELDING 2: GMAW
- SLO 1. Produce weld samples in the flat, vertical and overhead positions with the GMAW process on stainless steel to acceptable criteria
- SLO 2. Demonstrate the proper procedure for setting up OFC (Oxy-fuel cutting), PAC (Plasma arc cutting) and FCAW (Flux core arc welding) equipment
- APSM 115 SMQ-15 WELDING 3: GMAW
- SLO 1. Demonstrate the proper procedure for setting up SMAW (shielded metal arc welding) equipment
- SLO 2. Produce weld samples in the flat, horizontal, vertical, and overhead positions to an American Welding Society (AWS) standard using the SMAW process
- APSM 116 SMQ-16 PLANS & SPECIFICATIONS
- SLO 1. Explain the organization of plans and specifications
- SLO 2. Read and interpret architectural, structural, mechanical, electrical, control, specialty and residential drawings
- APSM 117 SMQ-17 SUBMITTALS & SHOP DRAWINGS
- SLO 1. Use a Submittal to find specific information about a manufactured item
- SLO 2. Make a detailed material list including sizes, model numbers, and ratings from contract documents
- APSM 118 SMQ-18 INDUSTRIAL & STAINLESS STEEL INTRODUCTION
- SLO 1. Calculate the bend allowances for heavy gauge metal
- SLO 2. Layout, fabricate, and finish a heavy gauge metal project using appropriate equipment
- APSM 119 SMQ-19 HVAC AIR SYSTEMS & DUCT DESIGN
- SLO 1. Identify common components of a typical HVAC duct system
- SLO 2. Size ducts using a duct calculator to produce optimal efficiency
- APSM 120 SMQ-20 MEASURING & SKETCHING

- SLO 1.** Demonstrate field measuring and Sketching techniques used for shop fabrication and installation
- SLO 2.** Interpret the communication system used for fabrication of symbols, shop parameters, conventions, abbreviations and bend directions
- APSM 121 SMQ-21 FABRICATION & SHORTCUTS
- SLO 1.** Layout and fabricate a twisted fitting and marriage fitting
- SLO 2.** Use layout short cut methods, OWL, slipped elbow, round eye and square-to-round
- APSM 122 SMQ-22 CODES & STANDARDS
- SLO 1.** Demonstrate efficient use of the Uniform Building Code, Uniform Mechanical Code, and National Fire Code
- SLO 2.** Demonstrate efficient use of AWS, (American Welding Society) and SMACNA (Sheet Metal Air Conditioning Contractors National Association) standards
- APSM 123 SMQ-23 RESIDENTIAL SHEET METAL
- SLO 1.** Identify common types of residential HVAC systems
- SLO 2.** Properly install furnaces, thermostat, flues, vents, and air conditioning components per applicable code and Title 24 requirements
- APSM 124 SMQ-24 METAL ROOFING
- SLO 1.** Install flat seam, standing seam and batten seam roofs
- SLO 2.** Lay out a roof for penetrations, seam alignment, seam location and flashing
- APSM 125 SMQ-25 DETAILING
- SLO 1.** Compile detail information from plans, specs, submittals, standards, field measurement and codes
- SLO 2.** Produce detail shop drawings for fabrication and installation
- APSM 126 SMQ-26 FOREMAN TRAINING
- SLO 1.** Identify the major goals of a foreman
- SLO 2.** Safely and effectively plan, organize, control, and coordinate project activities
- SLO 3.** Demonstrate effective foreman record keeping for projects and personnel
- APSM 127 SMQ-27 BASIC AUTOCAD
- SLO 1.** Perform essential computer file management operations
- SLO 2.** Demonstrate basic use of the program by creating and plotting a drawing assignment using template provided and parameters
- APSM 128 HVAC ENERGY CONSERVATION & ENVIRONMENTAL TECHNOLOGY No SLOs on file.
- APSM 130 SMQ-30 ADVANCED WELDING
- SLO 1.** Demonstrate proficiency in all welding positions using the GMAW process
- SLO 2.** List weld certification procedures
- APSM 131 SMQ-31 CAD DETAILING (BEGINNING CAD DUCT)
- SLO 1.** Identify 15 Cad Duct or selected software command icons
- SLO 2.** Set up the parameters of a CAD drawing
- APSM 132 SMQ-32 INTERMEDIATE CAD DETAILING
- SLO 1.** Create custom catalogs and symbol sets
- SLO 2.** Edit fittings and connectors for download fabrication
- APSM 133 SMQ-33 ADVANCED ARCHITECTURAL
- SLO 1.** Layout and fabricate a louver
- SLO 2.** Fabricate specialty flashing

- ART 2B HISTORY OF WESTERN ART FROM THE MIDDLE AGES TO THE RENAISSANCE
- SLO 1. Describe and evaluate the impact of Greco/Roman philosophy and science on the development of European society in the 11th and 12th centuries in specific relation to Scholasticism and the development of the Gothic style in art.
- SLO 2. Explain in written form the relationship between commerce, nascent capitalism, a growing mercantile class, and artistic production in the 15th and 16th centuries in Italy.
- ART 2BH HONORS HISTORY OF WESTERN ART FROM THE MIDDLE AGES TO THE RENAISSANCE
- SLO 1. Analyze and describe specific works of art with reference to their social, political, and theological context.
- SLO 2. Assess, in written form, the impact of the Germanic and Celtic culture on the formulation of a new western Christian art in the early middle ages.
- ART 2C HISTORY OF WESTERN ART FROM THE BAROQUE TO POST IMPRESSIONISM
- SLO 1. Critically assess, in written form, the impact of industrial development on both the production and consumption of art.
- SLO 2. Discuss and interpret Italian Baroque art within the context of Counter Reformation ideology, the voyages of global exploration, and the scientific discoveries of the 16th century.
- ART 2CH HONORS HISTORY OF WESTERN ART FROM THE BAROQUE TO POST IMPRESSIONISM
- SLO 1. Identify and name the major art historical periods from the 16th to the 19th century.
- SLO 2. Contrast the varied artistic responses to the Industrial revolution with specific reference to meaning and subtext.
- ART 2D AFRICAN, OCEANIC & NATIVE AMERICAN ART
- SLO 1. Identify and analyze within their socio-historical contexts a variety of art objects and related traditions from Africa (e.g., Nigeria, Ghana, Mali, etc.), Oceania (e.g., New Guinea, Hawaii, Rapa Nui, etc.) and Native North America (e.g., Pueblo, Inuit, Northwest Coast, etc.)
- SLO 2. Evaluate and examine the role of ethnic/cultural heritage in your own life and in contemporary American society as a whole, based on an understanding of African, Oceanic, and Native American traditions (such as personal adornment, ancestor commemoration, etc.) discussed in Art 2D.
- ART 2E A HISTORY OF WOMEN IN ART
- SLO 1. Utilizing a chronological and thematic approach, students will evaluate and discuss the culturally diverse arts produced by women in the history of art, from the Middle Ages to the present.
- SLO 2. Analyze in written form, the influences on art produced by women of such issues as gender, race, socio-economic and political conditions, increasing urbanization and conceptions of nature.
- ART 3 MODERN ART & CONTEMPORARY THOUGHT
- SLO 1. Identify and assess the dominant styles (Cubism, Surrealism, etc.) in modern art based on their impact twentieth-century culture.
- SLO 2. Develop a rationale for Pop Art using a methodology focusing on social and economic changes in twentieth-century America.
- ART 4A DRAWING I
- SLO 1. Students will be able to use balance in the drawing process. Students will be able to sketch symmetrical form and be able translate it into a work. Students will be able to sketch asymmetrical compositions.
- SLO 2. Students will be able to test multiple tonal values using charcoal in a drawing.

SLO 3. Students will be able to use critical thinking skill. Students will be able to evaluate works and distinguish strengths or weaknesses in drawings. In classroom critique sessions they will be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working." Students will be able to use appropriate art terminology in both written and verbal presentations. Students will be able to self-critique their own work. Student will be values cultural or stylistic differences in another 's artwork

ART 4AS

DRAWING I

SLO 1. A. Instructional Objective: TECHNICAL EXPERTISE
(for assessment choose from the following:)

Students shall be able to demonstrate technical expertise in the use of media including some of the following: charcoal, pencil, ink, or other drawing media.
Use two or more of the following:

1. Teachers provide a wide variety of assignments via a lecture/demonstration depending upon the class involved. The majority of the lesson is studio practice and performance during which time students develop activities proscribed, including additive /subtractive application, blending, smudging, re-working, and the use of mediums if needed.
2. Teachers shall provide a wide variety of assignments that include the elements of design. Students shall demonstrate an ability to make pleasing compositions that utilize line, contour, shape analysis, shading – chiaroscuro, space, and if assigned, color.
3. Students shall demonstrate observational faculties and eye-hand coordination by drawing from life.
4. Students assemble a portfolio of work demonstrating growth throughout the quarter.

SLO 2. B. Instructional Objective: IMPLEMENTATION OF MEASUREMENT DEVICES
(for assessment choose from the following:)

1. Students shall construct a drawing using linear or parallel perspective by evaluating a space, estimating its' distances and the forms within, and then diagramming the architecture and objects according to the rules of perspective. Students shall state rules governing linear perspective as distinguished from atmospheric or other methods of defining space.
2. Students shall ascertain proportions by measuring, i.e. a pencil held at arm's length, and be able to translate those numbers into drawings of various scales
3. Students shall demonstrate "squaring-up," in order to grid an image for copying, distorting, or resizing functions.
4. Students shall identify symmetrical form and be able translate it into a work.
5. Students shall identify symmetrical versus asymmetry in forms and be able to translate that into a work.
6. Students estimate angles in space and transfer them to a 2-dimensional surface.

SLO 3. C. Instructional Objective: CRITICAL THINKING
(for assessment choose from the following:)

1. Students shall be able to evaluate works and distinguish strengths or weaknesses in drawings.
 - a) In classroom critique sessions they shall be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working."
 - b) Students shall use appropriate art terminology in both written and verbal presentations.
 - c) Students shall be able to self-critique their own work.
2. Students shall be able to identify and discuss the interplay between form and content.
3. Students shall be able to utilize steps in the creative process and apply them to new

work.

SLO 4. D. Instructional Objective: EXPRESSIVE, BEHAVIORAL, AND COMMUNICATION
(for assessment choose from the following:)

1. Students demonstrate willingness to hear constructive feedback.
2. Student willingness to respond to others during critique sessions.
3. Student values cultural or stylistic differences in another 's artwork

ART 4AT

DRAWING I

No SLOs on file.

ART 4B

DRAWING II

SLO 1. A. Instructional Objective: TECHNICAL EXPERTISE
(for assessment choose from the following:)

Students shall be able to demonstrate technical expertise in the use of media including some of the following: charcoal, pastels, pencil, ink, or other drawing media.
Use two or more of the following:

1. Teachers provide a wide variety of assignments via a lecture/demonstration depending upon the class involved. The majority of the lesson is studio practice and performance during which time students develop activities proscribed, including additive /subtractive application, blending, smudging, layering, re-working, and the use of mediums if needed.
2. Teachers shall provide a wide variety of assignments that include the elements of design. Students shall demonstrate an ability to make pleasing compositions that utilize line, contour, shape analysis, shading – chiaroscuro, space, and color.
3. Students shall demonstrate observational faculties and eye-hand coordination by drawing from life.
4. Students assemble a portfolio of work demonstrating growth throughout the quarter.

SLO 2. B. Instructional Objective: IMPLEMENTATION OF MEASUREMENT DEVICES
(for assessment choose from the following:)

1. Students shall construct a drawing in linear or parallel perspective by evaluating a space, estimating its' distances and the forms within, and then diagramming the architecture and objects according to the rules of perspective. Students shall state rules governing linear perspective as distinguished from atmospheric or other methods of defining space.
2. Students shall ascertain proportions by measuring, i.e. a pencil held at arm's length, and be able to translate those numbers into drawings of various scales
3. Students shall demonstrate "squaring-up," in order to grid an image for copying, distorting, or resizing functions.
4. Students shall identify symmetrical form and be able translate it into a work.
5. Students shall identify symmetrical versus organic form and be able to translate it into a work.
6. Students estimate angles in space and transfer them to a 2-dimensional surface.

SLO 3. C. Instructional Objective: CRITICAL THINKING
(for assessment choose from the following:)

1. Students shall be able to evaluate works and distinguish strengths or weaknesses in drawings.
 - a) In classroom critique sessions they shall be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working."
 - b) Students shall use appropriate art terminology in both written and verbal presentations.
 - c) Students shall be able to self-critique their own work.

2. Students shall be able to identify and discuss the interplay between form and content.
3. Students shall be able to utilize steps in the creative process and apply them to new work.

SLO 4. D. Instructional Objective: EXPRESSIVE, BEHAVIORAL, AND COMMUNICATION
(for assessment choose from the following:)

1. Students demonstrate willingness to hear constructive feedback.
2. Student willingness to respond to others during critique sessions.
3. Student values cultural or stylistic differences in another 's artwork

ART 4BS

DRAWING II

SLO 1. A. Instructional Objective: TECHNICAL EXPERTISE
(for assessment choose from the following:)

Students shall be able to demonstrate technical expertise in the use of media including some of the following: charcoal, pastels, pencil, ink, or other drawing media.
Use two or more of the following:

1. Teachers provide a wide variety of assignments via a lecture/demonstration depending upon the class involved. The majority of the lesson is studio practice and performance during which time students develop activities proscribed, including additive /subtractive application, blending, smudging, layering, re-working, and the use of mediums if needed.
2. Teachers shall provide a wide variety of assignments that include the elements of design. Students shall demonstrate an ability to make pleasing compositions that utilize line, contour, shape analysis, shading – chiaroscuro, space, and color.
3. Students shall demonstrate observational faculties and eye-hand coordination by drawing from life.

4. Students assemble a portfolio of work demonstrating growth throughout the quarter.

SLO 2. B. Instructional Objective: IMPLEMENTATION OF MEASUREMENT DEVICES
(for assessment choose from the following:)

1. Students shall construct a drawing in linear or parallel perspective by evaluating a space, estimating its' distances and the forms within, and then diagramming the architecture and objects according to the rules of perspective. Students shall state rules governing linear perspective as distinguished from atmospheric or other methods of defining space.
2. Students shall ascertain proportions by measuring, i.e. a pencil held at arm's length, and be able to translate those numbers into drawings of various scales
3. Students shall demonstrate "squaring-up," in order to grid an image for copying, distorting, or resizing functions.
4. Students shall identify symmetrical form and be able translate it into a work.
5. Students shall identify symmetrical versus organic form and be able to translate it into a work.
6. Students estimate angles in space and transfer them to a 2-dimensional surface.

SLO 3. C. Instructional Objective: CRITICAL THINKING
(for assessment choose from the following:)

1. Students shall be able to evaluate works and distinguish strengths or weaknesses in drawings.
 - a) In classroom critique sessions they shall be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working."
 - b) Students shall use appropriate art terminology in both written and verbal presentations.

c) Students shall be able to self-critique their own work.

2. Students shall be able to identify and discuss the interplay between form and content.
3. Students shall be able to utilize steps in the creative process and apply them to new work.

SLO 4. D. Instructional Objective: EXPRESSIVE, BEHAVIORAL, AND COMMUNICATION
(for assessment choose from the following:)

1. Students demonstrate willingness to hear constructive feedback.
2. Student willingness to respond to others during critique sessions.
3. Student values cultural or stylistic differences in another 's artwork

ART 4BT

DRAWING II

SLO 1. A. Instructional Objective: TECHNICAL EXPERTISE
(for assessment choose from the following:)

Students shall be able to demonstrate technical expertise in the use of media including some of the following: charcoal, pastels, pencil, ink, or other drawing media.
Use two or more of the following:

1. Teachers provide a wide variety of assignments via a lecture/demonstration depending upon the class involved. The majority of the lesson is studio practice and performance during which time students develop activities proscribed, including additive /subtractive application, blending, smudging, layering, re-working, and the use of mediums if needed.
2. Teachers shall provide a wide variety of assignments that include the elements of design. Students shall demonstrate an ability to make pleasing compositions that utilize line, contour, shape analysis, shading – chiaroscuro, space, and color.
3. Students shall demonstrate observational faculties and eye-hand coordination by drawing from life.
4. Students assemble a portfolio of work demonstrating growth throughout the quarter.

SLO 2. B. Instructional Objective: IMPLEMENTATION OF MEASUREMENT DEVICES
(for assessment choose from the following:)

1. Students shall construct a drawing in linear or parallel perspective by evaluating a space, estimating its' distances and the forms within, and then diagramming the architecture and objects according to the rules of perspective. Students shall state rules governing linear perspective as distinguished from atmospheric or other methods of defining space.
2. Students shall ascertain proportions by measuring, i.e. a pencil held at arm's length, and be able to translate those numbers into drawings of various scales
3. Students shall demonstrate "squaring-up," in order to grid an image for copying, distorting, or resizing functions.
4. Students shall identify symmetrical form and be able translate it into a work.
5. Students shall identify symmetrical versus organic form and be able to translate it into a work.
6. Students estimate angles in space and transfer them to a 2-dimensional surface.

SLO 3. C. Instructional Objective: CRITICAL THINKING
(for assessment choose from the following:)

1. Students shall be able to evaluate works and distinguish strengths or weaknesses in drawings.
 - a) In classroom critique sessions they shall be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working."
 - b) Students shall use appropriate art terminology in both written and verbal presentations.

- c) Students shall be able to self-critique their own work.
- 2. Students shall be able to identify and discuss the interplay between form and content.
- 3. Students shall be able to utilize steps in the creative process and apply them to new work.

SLO 4. D. Instructional Objective: EXPRESSIVE, BEHAVIORAL, AND COMMUNICATION
(for assessment choose from the following:)

- 1. Students demonstrate willingness to hear constructive feedback.
- 2. Student willingness to respond to others during critique sessions.
- 3. Student values cultural or stylistic differences in another 's artwork

ART 4C

DRAWING III

SLO 1. A. Instructional Objective: TECHNICAL EXPERTISE
(for assessment choose from the following:)

Students shall be able to demonstrate technical expertise in the use of media including some of the following: charcoal, pastels, pencil, ink, or other drawing, especially color media.

Use two or more of the following:

- 1. Teachers provide a wide variety of assignments via a lecture/demonstration depending upon the lesson involved. Lecture – lab classes consist of lecture and supervised student application The majority of the lesson is studio practice and performance during which time students develop activities proscribed, including use of different paper supports , additive /subtractive applications, blending, smudging, layering, re-working, and the use of mediums if needed.
- 2. Teachers provide a wide variety of assignments that utilize the elements of design. Students shall demonstrate an ability to make pleasing compositions that utilize line, contour, shape analysis, shading – chiaroscuro, space, and color.
- 3. The introduction of new materials is part of learning how to handle image under different circumstances in all art classes, and these tools are taught by demonstration.
- 4. Students shall demonstrate observational faculties and eye-hand coordination by drawing from life.
- 5. Students assemble a portfolio of work demonstrating growth throughout the quarter.

SLO 2. B. Instructional Objective: IMPLEMENTATION OF MEASUREMENT DEVICES
(for assessment choose from the following:)

- 1. Students construct drawings in linear, atmospheric or parallel perspective by evaluating a space, estimating its' distances and the forms within, and then diagramming the architecture and objects according to the conventions.
- 2. Students ascertain proportions by measuring, i.e. a pencil held at arm's length, and be able to translate those numbers into drawings of various scales
- 3. Students demonstrate "squaring-up," in order to grid an image for copying, distorting, or resizing functions.
- 4. Students shall identify symmetrical form and be able translate it into a work.
- 5. Students shall identify symmetrical versus organic form and be able to translate it into a work.
- 6. Students estimate angles in space and transfer them to a 2-dimensional surface.

SLO 3. C. Instructional Objective: CRITICAL THINKING
(for assessment choose from the following:)

1. Students shall be able to evaluate works and distinguish strengths or weaknesses in drawings.
 - a) In classroom critique sessions they shall be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working."
 - b) Students shall use appropriate art terminology in both written and verbal presentations.
 - c) Students shall be able to self-critique their own work.
2. Students shall be able to identify and discuss the interplay between form and content.
3. Students shall be able to utilize steps in the creative process and apply them to new work.

SLO 4. D. Instructional Objective: EXPRESSIVE, BEHAVIORAL, AND COMMUNICATION
(for assessment choose from the following:)

1. Students demonstrate willingness to hear constructive feedback.
2. Student willingness to respond to others during critique sessions.
3. Student values cultural or stylistic differences in another 's artwork

ART 4CS	DRAWING III	No SLOs on file.
ART 4CT	DRAWING III	No SLOs on file.
ART 4D	FIGURE DRAWING	

SLO 1. TECHNICAL APPLICATION

Students shall be able to reproduce the human form using drawing media including some of the following: charcoal, pencil, ink, or other drawing media. Students shall be able quickly and accurately sketch the human form in action, movement, or in preliminary planning. Students shall be able to detect and measure proportions by hand-eye coordination and pencil and arm length.

SLO 2. KNOWLEDGE (CRITICAL THINKING)

Students shall be able to recall the anatomy of the human figure concentrating on the skeleton and the major muscles and muscle systems and apply this knowledge to a figure drawing. Students shall be able to construct a figure drawing that demonstrates the three-dimensional structure on a two dimensional surface. Students illustrate the figures weight and mass drawing the cross contour of the form.

ART 4DS	FIGURE DRAWING
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SLO 1. Art 4DS is the first half of ART4D. Please see Student Learning outcomes from the Art4D course.

SLO 2. Art 4DS is the first half of ART4D. Please see Student Learning outcomes from the Art4D course.

ART 4DT	FIGURE DRAWING
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SLO 1. Art 4DT is the second half of ART4D. Please see Student Learning outcomes from the Art4D course.

SLO 2. Art 4DT is the second half of ART4D. Please see Student Learning outcomes from the Art4D course.

ART 4E	PORTRAIT DRAWING
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SLO 1. TECHNICAL APPLICATION

Students shall be able to reproduce the human head using drawing media including some of the following: charcoal, pastel, or other drawing media. Students shall be able to detect and measure proportions by hand-eye coordination and pencil and arm length.

SLO 2. KNOWLEDGE (CRITICAL THINKING)

Students shall be able to recall the anatomy of the human head concentrating on the skeleton and the major muscles and muscle systems and apply this knowledge to a head drawing.

ART 4ES

PORTRAIT DRAWING

SLO 1. Art 4ES is the first half of ART4E. Please see Student Learning outcomes from the Art4E course.

SLO 2. Art 4ES is the first half of ART4E. Please see Student Learning outcomes from the Art4E course.

ART 4ET

PORTRAIT DRAWING

SLO 1. Art 4ET is the second half of ART4E. Please see Student Learning outcomes from the Art4E course.

SLO 2. Art 4ET is the second half of ART4E. Please see Student Learning outcomes from the Art4E course.

ART 4F

LANDSCAPE DRAWING

SLO 1. TECHNICAL APPLICATION

Students shall be able to reproduce landscape subjects by using drawing media including some of the following: charcoal, pencil, ink, or other drawing media.

Students shall be able quickly and accurately sketch landscapes in the preliminary planning steps. Students shall be able to detect and measure proportions by hand-eye coordination and pencil and arm length. Students shall be able to isolate space by using a viewfinder or measuring tool.

SLO 2. KNOWLEDGE (CRITICAL THINKING)

Students shall be able to define landscape depth by that demonstrates the three-dimensional structure on a two dimensional surface using value.

ART 5A

BASIC TWO-DIMENSIONAL DESIGN

SLO 1. TECHNICAL

Student shall be able to identify and examine elements of design (line, shape, texture, color, value, space) in a variety of artists and designers.

Student shall be able to competently use acrylic paints, acrylic mediums, collage art media.

Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.

SLO 2. CRITICAL THINKING

Student shall be able to examine and identify the elements and principles of design in a two dimensional work. Student shall be able to identify successful as well as problematic areas in their work and the work of their peers to pose and find solutions.

ART 5AS

BASIC TWO-DIMENSIONAL DESIGN

No SLOs on file.

ART 5AT

BASIC TWO-DIMENSIONAL DESIGN

No SLOs on file.

ART 5B

THREE-DIMENSIONAL DESIGN

SLO 1. Students can organize elements in three dimensions**SLO 2.** Students can evaluate art works in three dimensions using objective criteria**SLO 3.** Students can use various methods to construct forms in three dimensions**SLO 4.** Students can diagram three dimensional objects in two dimensional drawings

ART 5L

DESIGN LABORATORY

No SLOs on file.

ART 6

COLLAGE & COMPOSITION

SLO 1. A. Instructional Objective: TECHNICAL EXPERTISE (for assessment choose from the following:)

Students shall be able to demonstrate technical expertise in the use of media including some of the following: charcoal, pastels, pencil, ink, or other drawing, especially color media.

Teachers provide a wide variety of assignments via a lecture/demonstration depending upon the lesson involved. Lecture – lab classes consist of lecture and supervised student application. The majority of the lesson is studio practice and performance during which time students develop activities proscribed, including:

1. Students draw or alter found materials for use in collage.
2. Students plan compositions that utilize line, contour, value, space, texture, and color.
3. Students review and practice organizing principles: scale, balance, proportion, unity with variety, movement, directional forces, emphasis and subordination, et. Al.
4. Students use new media and practice craftsmanship in using crayons, pencils paint and brush, cut paper, glue techniques, et al.
5. Students analyze structural elements in work of the 'masters' from both past and present.
6. Students display work in a professional manner through mounting, matting or other methods.
7. Students assemble a portfolio of work demonstrating growth throughout the quarter.

SLO 2. B. Instructional Objective: CATEGORIZATION AND IMPLEMENTATION OF THEORY
(for assessment choose from the following:)

1. Students arrange art works according to the elements of point, line, shape, value, color, texture, and mass, and the principles of harmony, variety, balance, proportion, dominance, movement, economy, space.
2. Students concentrate on forming hidden structures that support the idea or content of the work.
3. Students structure and compare random order and formal arrangements.
4. Students identify appropriate compositional devices for different types of content.
5. Students practice and produce works that recognize art's organizing principles: scale, balance, proportion, unity with variety, movement, directional forces, emphasis and subordination, et. al.

SLO 3. C. Instructional Objective: CRITICAL THINKING
(for assessment choose from the following:)

1. Students shall be able to evaluate works and distinguish strengths or weaknesses.
 - a) In classroom critique sessions they shall be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working."
 - b) Students shall use appropriate art terminology in both written and verbal presentations.
 - c) Students shall be able to self-critique their own work.
2. Students shall be able to identify and discuss the interplay between form and content.
3. Students shall be able to utilize steps in the creative process and apply them to new work.

SLO 4. D. Instructional Objective: EXPRESSIVE, BEHAVIORAL, AND COMMUNICATION
(for assessment choose from the following:)

1. Students demonstrate willingness to hear constructive feedback.
2. Student willingness to respond to others during critique sessions.
3. Student values cultural or stylistic differences in another 's artwork

ART 8 BASIC PERSPECTIVE DRAWING

- SLO 1.** The student can draw from nature representing volume according to the principles of perspective
- SLO 2.** The student can understand one point, two point and three point perspective views from nature
- SLO 3.** The students can use tools and drawing aids to prepare perspective drawings
- SLO 4.** The student can analyze perspective in nature

ART 9 TRADITIONAL ART MATERIALS

- SLO 1. TECHNICAL**
Student shall be able to identify and utilize the variety of materials and media traditionally used by artists: oil paints, encaustic, pastels, acrylic paints, tempera, fresco. Students shall be able to combine and mix materials in a focused and specific way in the creation an artwork.
- SLO 2. CRITICAL THINKING**
Student shall be able to identify successful as well as problematic areas in their work and the work of their peers to pose and find solutions. Student shall be able to synthesize and resolve ideas by combining a variety of media in a creative and innovative manner.

ART 12 INTRODUCTION TO ASIAN ART

- SLO 1.** Analyze Buddhist iconography and recognize specific aspects/attributes of the Buddha when he is portrayed in art.
- SLO 2.** Propose a socio-economic and aesthetic context for Chinese painting of the Song dynasty in relation to a stratified Confucian society with a highly educated elite.

ART 13 INTRODUCTION TO ISLAMIC ART

- SLO 1.** Recognize and name the major periods in Islamic culture (e.g. Umayyad, Ottoman, etc.) based on stylistic attributes as well as specific thematic indicators.
- SLO 2.** Demonstrate and discuss the impact of mystic Sufi theology on the architecture of the Ottoman Empire in the 16th and 17th centuries.

ART 14 AMERICAN ART

- SLO 1.** Utilizing "social history" as a methodological approach to the study of American art, students will identify and assess the significant artistic contributions of a variety of culturally distinct groups (e.g., Native American, European American, African American, Chicano/Latino, and Asian American) in the development of American art from prehistory to the present.
- SLO 2.** Identify and discuss a variety of defining art historical (and cultural) movements (e.g., Harlem Renaissance, Photo-Secession, etc.) and styles (e.g., Postmodern, Abstract Expressionist, etc.) in the formation and development of American art.

ART 19A PAINTING I

- SLO 1. TECHNICAL**
Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.
- SLO 2. EVALUATION**
Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, and written reflection of each painting.

- ART 19AS PAINTING I
- SLO 1. TECHNICAL**
Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.
- SLO 2. EVALUATION**
Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.
- SLO 3. CRITICAL THINKING**
Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.
- ART 19AT PAINTING I
- SLO 1. TECHNICAL**
Student shall be able to examine artist painting styles and historical movements. Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.
- SLO 2. EVALUATION**
Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.
- SLO 3. CRITICAL THINKING**
Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.
- ART 19B PAINTING II
- SLO 1. TECHNICAL**
Student shall be able to examine artist painting styles and historical movements. Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.
- SLO 2. EVALUATION**
Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.
- SLO 3. CRITICAL THINKING**
Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.
- ART 19BS PAINTING II
- SLO 1. TECHNICAL**
Student shall be able to examine artist painting styles and historical movements. Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.
- SLO 2. EVALUATION**
Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.

SLO 3. CRITICAL THINKING

Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.

ART 19BT PAINTING II

SLO 1. TECHNICAL

Student shall be able to examine artist painting styles and historical movements. Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.

SLO 2. EVALUATION

Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.

SLO 3. CRITICAL THINKING

Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.

ART 19C PAINTING III

SLO 1. TECHNICAL

Student shall be able to examine artist painting styles and historical movements. Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.

SLO 2. EVALUATION

Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.

SLO 3. CRITICAL THINKING

Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.

ART 19CS PAINTING III

SLO 1. TECHNICAL

Student shall be able to examine artist painting styles and historical movements. Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.

SLO 2. EVALUATION

Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.

SLO 3. CRITICAL THINKING

Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.

ART 19CT PAINTING III

SLO 1. TECHNICAL

Student shall be able to examine artist painting styles and historical movements. Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.

SLO 2. EVALUATION

Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.

SLO 3. CRITICAL THINKING

Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.

ART 19L

PAINTING LABORATORY

SLO 1. TECHNICAL

Student shall be able to examine artist painting styles and historical movements. Student shall be able to competently employ and manipulate oil paints, oil paint mediums, and paint brushes. Students shall demonstrate observational capacities and hand eye coordination by painting from life. Students shall be able to employ paint tools such as brushes to achieve a variety of technical results: blending, flat paint application, edge definition, textures.

SLO 2. EVALUATION

Student shall compile all works created during the term in order to assess technical growth. Student shall consolidate a portfolio style binder with documented works, personal statement, written reflection of each painting.

SLO 3. CRITICAL THINKING

Student shall be able to identify successful as well as problematic areas in their work and in the work of their peers to pose and find successful solutions.

ART 20A

COLOR I

SLO 1. A. Instructional Objective: TECHNICAL EXPERTISE (for assessment choose from the following:)

Students shall be able to demonstrate technical expertise in the use of media including some of the following: charcoal, pastels, pencil, ink, or other drawing, especially color media.

Teachers provide a wide variety of assignments via a lecture/demonstration depending upon the lesson involved. Lecture – lab classes consist of lecture and supervised student application. The majority of the lesson is studio practice and performance during which time students develop activities proscribed, including:

1. Students shall recognize the components of color, hue, value, chroma, and identify appropriate usage.
2. Students plan compositions that utilize line, contour, value, space, and with emphasis on good color usage.
3. The introduction of new materials is part of learning how to handle image under different circumstances in all art classes, and these tools are taught by demonstration.
4. Students display work in a professional manner through mounting, matting or other methods.
5. Students assemble a portfolio of work demonstrating growth throughout the quarter.

SLO 2. B. Instructional Objective: IMPLEMENTATION OF MEASUREMENT DEVICES (for assessment choose from the following:)

1. Students construct charts and diagram properties of color through charting of mixtures.
2. Students structure design projects according to principles of color harmony such as monochromatic, complementary, analogous, triads, dyads, tetrads.
3. Students differentiate between pigment or subtractive color and refracted or additive color.

SLO 3. C. Instructional Objective: CRITICAL THINKING

(for assessment choose from the following:)

1. Students shall be able to evaluate works and distinguish strengths or weaknesses.
 - a) In classroom critique sessions they shall be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working."
 - b) Students shall use appropriate art terminology in both written and verbal presentations.
 - c) Students shall be able to self-critique their own work.
2. Students shall be able to identify and discuss the interplay between form and content.
3. Students shall be able to utilize steps in the creative process and apply them to new work.

SLO 4. D. Instructional Objective: EXPRESSIVE, BEHAVIORAL, AND COMMUNICATION

(for assessment choose from the following:)

1. Students demonstrate willingness to hear constructive feedback.
2. Student willingness to respond to others during critique sessions.
3. Student values cultural or stylistic differences in another 's artwork

ART 20B

COLOR II

SLO 1. A. Instructional Objective: TECHNICAL EXPERTISE (for assessment choose from the following:

1. Students shall recognize the components of color, hue, value, chroma, and identify appropriate usage.
2. Students recognize that the perception of color is not absolute but dependent upon the context in which it occurs.
2. Students plan compositions that utilize line, contour, value, space, and with emphasis on good color usage.
3. The introduction of new materials is part of learning how to handle image under different circumstances in all art classes, and these tools are taught by demonstration. Students practice craftsmanship in using paint and brush, cut paper and glue techniques.
4. Students identify color and its' relationship to symbolism.
5. Students assemble a portfolio of work demonstrating growth throughout the quarter.

SLO 2. B. Instructional Objective: CATEGORIZATION AND IMPLEMENTATION OF THEORY (for assessment choose from the following:)

1. Students construct charts and diagram properties of color through charting of mixtures to discover the mechanics of simultaneous contrast.
2. Students arrange pages of colors by hue, value and saturation according to Munsell Notations.
3. Students structure design projects according to principles of color harmony utilizing Munsell theory.
4. Students differentiate between pigment or subtractive color and refracted or additive color by using a ten-hue rather than 12 hue color wheel.

SLO 3. C. Instructional Objective: CRITICAL THINKING

(for assessment choose from the following:)

1. Students shall be able to evaluate works and distinguish strengths or weaknesses.

- a) In classroom critique sessions they shall be able to identify successful or problem areas and be able to pose solutions for areas that aren't "working."
- b) Students shall use appropriate art terminology in both written and verbal presentations.
- c) Students shall be able to self-critique their own work.

- 2. Students shall be able to identify and discuss the interplay between form and content.
- 3. Students shall be able to utilize steps in the creative process and apply them to new work.

SLO 4. D. Instructional Objective: EXPRESSIVE, BEHAVIORAL, AND COMMUNICATION
(for assessment choose from the following:)

- 1. Students demonstrate willingness to hear constructive feedback.
- 2. Student willingness to respond to others during critique sessions.
- 3. Student values cultural or stylistic differences in another 's artwork

ART 35X HONORS SPECIAL PROJECTS IN ART

SLO 1. TECHNICAL

Student shall be able to competently employ selected medium(s) (wet media-oil, acrylic, watercolor paint; Dry media- charcoal, pastel, graphite; printmaking-etching, mono-print, silkscreen; ceramics, for mastery and exploration during the term. Student shall be able to select and utilize artist tools to develop mastery of media and communicate ideas. For example, if using brushes for painting, student will develop application approaches: sharp edges application, blending, creating textures.

SLO 2. CRITICAL THINKING

Students shall be able to examine and organize formal components to best express individual ideas and goals. Student shall be able to identify successful as well as problematic areas in their work in order to pose and find solutions.

SLO 3. EVALUATION

Student shall be able to articulate and develop personal point of view analyzing works created during the term.

ART 36 HISTORY OF GRAPHIC DESIGN

SLO 1. Analyze visual communication in historical and cultural context.

SLO 2. Interpret images, symbols and typography.

ART 44 CERAMIC SCULPTURE

SLO 1. Student will be able to conceptualize and design original ceramic sculpture.

SLO 2. Students will be able to create sculpture create ceramic sculpture by using additive and subtractive building methods, armatures, and use several techniques to create a finished surface for these works.

SLO 3. Students will be able to create sculpture from a visual reference, and from their imagination.

ART 44L CERAMICS LABORATORY

SLO 1. Student will be able to conceptualize and design original ceramic sculpture.

SLO 2. The student will be able to create ceramic sculpture by using additive and subtractive building methods, armatures, and use several techniques to create a finished surface for these works.

ART 45A BEGINNING CERAMICS HANDBUILDING

SLO 1. The student will be able to demonstrate technical competency in basic handbuilding techniques including coil, slab, wafer and pinch methods.

SLO 2. The student will demonstrate technical competency in glazing these works by implementing glazing techniques demonstrated in class.

SLO 3. The student will be able to demonstrate increased visual awareness by presenting and discussing three dimensional ceramic projects.

- ART 45AL CERAMICS LABORATORY
- SLO 1. The student will be able to demonstrate technical competency in basic handbuilding techniques including coil, slab, wafer and pinch methods.
 - SLO 2. The student will demonstrate technical competency in glazing these works by implementing glazing techniques demonstrated in class.
- ART 45B BEGINNING CERAMICS POTTER'S WHEEL
- SLO 1. The student will be able to demonstrate technical competency in basic wheel throwing techniques including centering, opening, gathering, collaring, pulling, and shaping methods.
 - SLO 2. The student will be able to demonstrate technical competency in finishing and trimming assigned works.
 - SLO 3. The student will demonstrate technical competency in glazing these works by implementing glazing techniques demonstrated in class.
 - SLO 4. The student will be able to demonstrate increased visual awareness by presenting and discussing three-dimensional ceramic projects.
- ART 45BL CERAMICS LABORATORY
- SLO 1. The student will be able to demonstrate technical competency in basic wheel throwing techniques including centering, opening, gathering, collaring, pulling, and shaping methods.
 - SLO 2. The student will be able to demonstrate technical competency in finishing and trimming assigned works.
- ART 45C ADVANCED CERAMICS
- SLO 1. The student will be able to demonstrate advanced technical competency in handbuilding techniques including coil, slab, wafer and pinch methods.
 - SLO 2. The student will be able to demonstrate advanced technical competency in wheel throwing techniques including centering, opening, gathering, collaring, pulling, and shaping methods.
 - SLO 3. The student will be able to demonstrate advanced technical competency in glazing these works utilizing demonstrated techniques such as pouring, dipping, spraying, masking and layering.
- ART 45CL CERAMICS LABORATORY
- SLO 1. The student will be able to demonstrate advanced technical competency in handbuilding techniques including coil, slab, wafer and pinch methods.
 - SLO 2. The student will be able to demonstrate advanced technical competency in wheel throwing techniques including centering, opening, gathering, collaring, pulling, and shaping methods.
 - SLO 3. The student will be able to demonstrate advanced technical competency in glazing these works utilizing demonstrated techniques such as pouring, dipping, spraying, masking and layering.
- ART 45F LOW-TEMPERATURE CERAMIC FIRING & GLAZING TECHNIQUES
- SLO 1. The student will be able to demonstrate technical proficiency in utilizing the five types of firing techniques including electric kiln oxidation, low-fire soda, luster/decal firing, raku, and pit/saggar firing.
 - SLO 2. The student will be able to demonstrate the ability to glaze or prepare the surface appropriately for each type of firing.
- ART 45FL CERAMICS LABORATORY
- SLO 1. The student will be able to demonstrate technical proficiency in utilizing the five types of firing techniques including electric kiln oxidation, low-fire soda, luster/decal firing, raku, and pit/saggar firing.

SLO 2. The student will be able to demonstrate the ability to glaze or prepare the surface of the form appropriately for each type of firing.

ART 45L CERAMICS LABORATORY

SLO 1. The student will be able to work independently to improve ceramic skills and concepts introduced in the class that the student is currently enrolled.

SLO 2. The student will be able to work independently to improve glazing skills and concepts introduced in the class that the student is currently enrolled.

ART 45LX CERAMICS LABORATORY

SLO 1. The student will be able to work independently to improve ceramic skills and concepts introduced in the class that the student is currently enrolled.

SLO 2. The student will be able to work independently to improve glazing skills and concepts introduced in the class that the student is currently enrolled.

ART 46B POTTER'S WHEEL II

No SLOs on file.

ART 47 WATERCOLOR

SLO 1. Students can create art using transparent watercolor on various types of paper

SLO 2. Students can use artists materials to create watercolor paintings

SLO 3. Students can apply basic watercolor techniques in painting

SLO 4. Students can use color and design principles to develop basic compositions

ART 49 MONOPRINTING

SLO 1. Define monoprint and monotypes.

SLO 2. Create monoprints.

ART 56 DIGITAL ART & GRAPHICS

SLO 1. Demonstrate an understanding of basic design principles of visual image making.

SLO 2. Demonstrate a working knowledge of computer software.

ART 69 PRINT ARTS I

SLO 1. Students can demonstrate use of the tools and techniques associated with a variety of print medium

SLO 2. Students can understand the process involved in developing images in an "indirect" print medium

SLO 3. Students can discuss the aesthetic and technical problems and solutions involved in printing original multiples

ART 72 STUDIO ART PORTFOLIO PREPARATION

SLO 1. TECHNICAL APPLICATION

Students shall be able to produce photographic documentation of their artwork. This may include an advertisement for an art event, a slide sheet, or a website with digital images. Students shall be able to copy the steps in the application process and apply these steps to a finished packet.

SLO 2. KNOWLEDGE

Students shall be able recall previous art experience in an artist biography. Students shall be able to assemble contents in a application packet and portable portfolio. The cover letter, artist statement, artist bio, and photograph images of studio artwork are contents in this application packet. Students shall be able explain a personal artist intention in an artist statement.

ART 80 MURAL MAKING: COMMUNITY ART PROJECT

SLO 1. TECHNICAL

Student shall be able to examine all necessary steps in the creation of a mural: preparation of wall, measuring and making a grid, transferring design to wall, painting

design. Student shall be able to employ acrylic paints to execute idea on given wall: techniques include blending, flat paint application, brush control and handling.

SLO 2. CRITICAL

Student shall be able to revise drawings created in initial concept phase (through brainstorm drawings, concept sketches) as well as mural painting phase to fit overall group concept. Student shall be able to organize images within a composition to fit site specific wall in order to achieve a unified result.

SLO 3. COMMUNICATION

Student shall value and discern specific cultural and artistic styles to further inform their work. Student shall be able to name and identify mural tradition terminology both verbally and in written form.

ART 83 SERVICE LEARNING PROJECTS

SLO 1. Students can demonstrate an understanding of the business of a graphic designer

SLO 2. Students can work with clients to define communication needs and find appropriate design solutions.

SLO 3. Students can demonstrate a working knowledge of digital media computer software and print output

SLO 4. Students can develop an understanding how serving one's community contributes to society.

ART 86 PAINTING WITH THE COMPUTER

SLO 1. Students will demonstrate familiarity with interactive computer painting software.

SLO 2. Students demonstrate a working knowledge of various computer painting operations

SLO 3. Students demonstrate skill in creating and manipulating visual materials

SLO 4. Students demonstrate understanding of artistic contributions made by people from diverse cultures and backgrounds

ART 87 ART OF THE ELECTRONIC AGE

SLO 1. Students recognize the roots of technological art

SLO 2. Students are aware of specific influences in the history of electronic art

SLO 3. Students compare and contrast styles of technological and electronic art

SLO 4. Students define specific techniques that have emerged in modern electronic art

ART 96 BOOK ARTS I

No SLOs on file.

ART 190 DIRECTED STUDY

SLO 1. TECHNICAL

Student shall be able to competently employ selected medium(s) (wet media-oil, acrylic, watercolor paint; Dry media- charcoal, pastel, graphite; printmaking-etching, mono-print, silkscreen; ceramics, for mastery and exploration during the term. Student shall be able to select and utilize artist tools to develop mastery of media and communicate ideas. For example, if using brushes for painting, student will develop application approaches: sharp edges application, blending, creating textures.

SLO 2. CRITICAL THINKING

Students shall be able to examine and organize formal components to best express individual ideas and goals. Student shall be able to identify successful as well as problematic areas in their work in order to pose and find solutions.

SLO 3. EVALUATION

Student shall be able to compile all works created during the term in order to assess technical growth. Student shall be able to articulate and develop personal point of view analyzing works created during the term.

ART 190X DIRECTED STUDY

SLO 1. TECHNICAL

Student shall be able to competently employ selected medium(s) (wet media-oil, acrylic, watercolor paint; Dry media- charcoal, pastel, graphite; printmaking-etching, mono-print, silkscreen; ceramics, for mastery and exploration during the term. Student shall be able to select and utilize artist tools to develop mastery of media and communicate ideas. For

example, if using brushes for painting, student will develop application approaches: sharp edges application, blending, creating textures.

SLO 2. CRITICAL THINKING

Students shall be able to examine and organize formal components to best express individual ideas and goals. Student shall be able to identify successful as well as problematic areas in their work in order to pose and find solutions.

SLO 3. EVALUATION

Student shall be able to compile all works created during the term in order to assess technical growth. Student shall be able to articulate and develop personal point of view analyzing works created during the term.

ART 190Y DIRECTED STUDY

SLO 1. TECHNICAL

Student shall be able to competently employ selected medium(s) (wet media-oil, acrylic, watercolor paint; Dry media- charcoal, pastel, graphite; printmaking-etching, mono-print, silkscreen; ceramics, for mastery and exploration during the term. Student shall be able to select and utilize artist tools to develop mastery of media and communicate ideas. For example, if using brushes for painting, student will develop application approaches: sharp edges application, blending, creating textures.

SLO 2. CRITICAL THINKING

Students shall be able to examine and organize formal components to best express individual ideas and goals. Student shall be able to identify successful as well as problematic areas in their work in order to pose and find solutions.

SLO 3. EVALUATION

Student shall be able to compile all works created during the term in order to assess technical growth. Student shall be able to articulate and develop personal point of view analyzing works created during the term.

ART 190Z DIRECTED STUDY

SLO 1. TECHNICAL

Student shall be able to competently employ selected medium(s) (wet media-oil, acrylic, watercolor paint; Dry media- charcoal, pastel, graphite; printmaking-etching, mono-print, silkscreen; ceramics, for mastery and exploration during the term. Student shall be able to select and utilize artist tools to develop mastery of media and communicate ideas. For example, if using brushes for painting, student will develop application approaches: sharp edges application, blending, creating textures.

SLO 2. CRITICAL THINKING

Students shall be able to examine and organize formal components to best express individual ideas and goals. Student shall be able to identify successful as well as problematic areas in their work in order to pose and find solutions.

SLO 3. EVALUATION

Student shall be able to compile all works created during the term in order to assess technical growth. Student shall be able to articulate and develop personal point of view analyzing works created during the term.

2 of 8 Course IDs for *ASTR* in the Physical Sciences, Mathematics & Engineering Division have SLO's.

2009-2010

Course ID	Title	SLO's
ASTR 10A	GENERAL ASTRONOMY: SOLAR SYSTEM	<p>SLO 1. Student, after taking the course, should be able to understand the difference among planets, dwarf planets, moons, comets and asteroids in our solar system</p> <p>SLO 2. Students, after taking the course, should be able to understand how the planets we have discovered orbiting other stars differ from the Earth</p>
ASTR 10B	GENERAL ASTRONOMY: STAR, GALAXIES, COSMOLOGY	

- SLO 1.** Understand the position of the Earth in the universe and the arrangement and scale of the universe;
- SLO 2.** Understand the life story of the stars and be able to explain how that life story relates to their own lives.

ASTR 10BH	HONORS GENERAL ASTRONOMY: STARS, GALAXIES, COSMOLOGY	No SLOs on file.
ASTR 10L	ASTRONOMY LABORATORY	No SLOs on file.
ASTR 34H	HONORS INSTITUTE SEMINAR IN ASTRONOMY	No SLOs on file.
ASTR 36	SPECIAL PROJECTS IN ASTRONOMY	No SLOs on file.
ASTR 36X	SPECIAL PROJECTS IN ASTRONOMY	No SLOs on file.
ASTR 36Y	SPECIAL PROJECTS IN ASTRONOMY	No SLOs on file.

7 of 4 Course IDs for *B T* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
B T 51A	PROFESSIONAL KEYBOARDING I (BEGINNING)	<p>SLO 1. The student will be able to demonstrate mastery of the keyboard on the microcomputer with correct techniques, using the touch system.</p> <p>SLO 2. The student will be able to produce keyboard straight-copy material for two minutes at a minimum average rate of 21 words a minute with 95% accuracy.</p>
B T 51B	PROFESSIONAL KEYBOARDING II (BASIC FORMATTING)	<p>SLO 1. The student will be able to produce keyboard straight-copy material for 3 minutes at a minimum average rate of 31 words a minute with 95% accuracy.</p> <p>SLO 2. The student will be able to demonstrate correct format for a variety of business documents--personal-business letters, business letters, blocked-style notes, memoranda, centered announcements and tables, resume, and bound/unbound manuscripts (including footnotes).</p>
B T 51C	PROOFREADING I	<p>SLO 1. The student will be able to demonstrate how to proofread and correctly mark typical business documents with professional proofreader's marks.</p> <p>SLO 2. The student will be able to recognize and correct errors in typing, spelling, grammar, and punctuation.</p>
B T 59	INTEGRATED BUSINESS COMMUNICATION	<p>SLO 1. Students will be able to create an organized and coherent persuasive memo report.</p> <p>SLO 2. Students will be able to create an effective PowerPoint presentation.</p>

22 of 24 Course IDs for *BIOL* in the Biological and Health Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
BIOL 1A	PRINCIPLES OF CELL BIOLOGY	<p>SLO 1. Students can describe life at the cellular level.</p> <p>ILO 1. 1. Communication</p> <p>SLO 2. Students can compare and contrast prokaryotic and eukaryotic life.</p> <p>ILO 2. 2. Creative, critical and analytical thinking</p> <p>SLO 3. Students can pose questions, state hypotheses, and identify variables from any given experiment.</p> <p>ILO 3. 2. Creative, critical and analytical thinking</p>

- SLO 4. Students can graph experimental results.
- ILO 4. 3. Computation
- SLO 5. Students can analyze experimental results to draw a conclusion.
- ILO 5. 2. Creative, critical and analytical thinking

BIOL 1B FORM & FUNCTION IN PLANTS & ANIMALS

- SLO 1. The student will compare and contrast the functioning of physiological systems in plants and animals.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Students will be able to communicate the results of scientific research to an audience of peers.
- ILO 2. 1. Communication

BIOL 1C EVOLUTION, SYSTEMATICS & ECOLOGY

- SLO 1. Students will be able to describe an ecosystem in terms of the flow of energy and cycling of matter between the abiotic to the biotic components of that ecosystem.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Students will explain natural selection of populations under different selective pressures.
- ILO 2. 2. Creative, critical and analytical thinking
- SLO 3. Students will explain the phylogenetic relationships of all living things in terms of derived and ancestral traits.
- ILO 3. 2. Creative, critical and analytical thinking

BIOL 1D MOLECULAR GENETICS

- SLO 1. Explain the relationship between structure and function as observed in key enzymes used in DNA replication, transcription and translation.
- SLO 2. Demonstrate an understanding of how experimental evidence is used to draw conclusions regarding the structure and function of important genetic molecules.

BIOL 8 BASIC NUTRITION

- SLO 1. Students will be able to interpret a food label and use it to make sound/informed dietary choices for themselves and their families
- SLO 2. Students should be able to identify food groups and daily amounts that constitute a healthy diet

BIOL 9 ENVIRONMENTAL BIOLOGY

- SLO 1. Student will evaluate environmental issues and describe possible solutions at both the local and global level
- SLO 2. The student will be able to explain and provide examples of the movement of energy and matter through ecosystems and discuss human impacts that disrupt these processes.
- SLO 3. Student will evaluate their personal impact on the earth.

BIOL 9L ENVIRONMENTAL BIOLOGY LABORATORY

- SLO 1. Students will be able to apply the scientific process to evaluating environmental issues.
- SLO 2. Students will demonstrate proficiency in research and sampling techniques to evaluate a local ecosystem and impacts upon that ecosystem.

BIOL 10 GENERAL BIOLOGY: BASIC PRINCIPLES

- SLO 1. SLO: Explain the scientific method and demonstrate an ability to use this method of study.
- SLO 2. SLO: Describe the risk factors and methods of prevention for cardiovascular disease and cancer.

BIOL 12 HUMAN GENETICS

- SLO 1. Demonstrate an ability to use Mendelian principles to predict genetic inheritance.
- SLO 2. Demonstrate an ability to interpret a DNA fingerprint.

- BIOL 13 MARINE BIOLOGY
- SLO 1. The student can describe the theory of evolution.
 - SLO 2. The student can make well informed decisions as a consumer based on their understanding of sustainable fishing practices and evaluate how their own behavior affects future fish conservation.
 - SLO 3. The student can understand how to collect scientific data quantitatively and present those data graphically.
- BIOL 14 HUMAN BIOLOGY
- SLO 1. The student will be able to evaluate basic scientific research as described in the popular press and explain the study in terms of the scientific method.
 - SLO 2. The student will be able to describe the theory of evolution by natural selection and explain how it unifies all living things at least three different levels of the biological hierarchy.
- BIOL 15 CALIFORNIA ECOLOGY/NATURAL HISTORY
- SLO 1. The student will master basic techniques of field biology, including taking field notes, identifying organisms in the field, and using survey and sampling techniques.
 - SLO 2. The student will explain basic principles of organismal, population, community and ecosystem ecology.
- BIOL 17 BIOTECHNOLOGY & SOCIETY
- SLO 1. Students can give specific examples of biotechnology-related products or applications.
 - SLO 2. Students can relate biotechnology-related products or applications to their daily lives.
 - SLO 3. Students can evaluate information about biotechnology-related products or applications.
- BIOL 34H HONORS INSTITUTE SEMINAR IN BIOLOGY
- SLO 1. The student can critically analyze a topic covered in the course.
 - SLO 2. The student can use new vocabulary relevant to topic covered in the course.
- BIOL 40A HUMAN ANATOMY & PHYSIOLOGY I
- SLO 1. The student can identify how the integumentary and skeletal system contributes to homeostasis.
 - SLO 2. The student can identify the importance of structure/ function relationship.
- BIOL 40B HUMAN ANATOMY & PHYSIOLOGY II
- SLO 1. The student can identify how the nervous system and cardiovascular system contributes to homeostasis.
 - SLO 2. The student can identify the importance of structure/ function relationship.
- BIOL 40C HUMAN ANATOMY & PHYSIOLOGY III
- SLO 1. The student can identify how the urinary system and endocrine system contributes to homeostasis.
 - ILO 1. 2. Creative, critical and analytical thinking
 - SLO 2. The student can identify the importance of structure/ function relationship.
- BIOL 41 MICROBIOLOGY
- SLO 1. Students will discuss the role of the health care practitioner in prevention of nosocomial infection
 - ILO 1. 2. Creative, critical and analytical thinking
 - SLO 2. Students will compare and contrast the role of normal flora, opportunistic and obligate pathogens in both health and disease states
 - ILO 2. 2. Creative, critical and analytical thinking
 - SLO 3. distinguish between bacterial and viral pathogens in terms of structure and chemotherapeutic interventions
 - ILO 3. 2. Creative, critical and analytical thinking

BIOL 45	INTRODUCTION TO HUMAN NUTRITION	
	SLO 1. Students will be able to interpret a food label and use it to make sound/informed dietary choices	
	SLO 2. Students will be able to make appropriate dietary recommendations to patients at elevated risk for chronic illnesses like heart disease or type 2 diabetes	
	SLO 3. Students should be able to identify food groups and daily amounts that constitute a healthy diet	
BIOL 58	FUNDAMENTALS OF PHARMACOLOGY	No SLOs on file.
BIOL 71	ADVANCED MOLECULAR BIOLOGY TECHNIQUES	No SLOs on file.
BIOL 90A	BIOLOGY EXPERIENTIAL INTERNSHIP	No SLOs on file.
BIOL 90B	BIOLOGY EXTENDED EXPERIENTIAL INTERNSHIP	No SLOs on file.
BIOL 190X	DIRECTED STUDY	
	SLO 1. Student can demonstrate an understanding of a major concept discussed in class.	
	SLO 2. Student can communicate understanding of a major concept discussed in class.	

19 of 20 Course IDs for *BTEC* in the Biological and Health Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
BTEC 10	BIOTECHNOLOGY: GENERAL PRINCIPLES	
	SLO 1. Students can explain what biotechnology is, and how it influences medicine, agriculture, and daily life.	
	SLO 2. Students can apply the scientific method to study a question	
BTEC 51A	CELL BIOLOGY FOR BIOTECHNOLOGY	
	SLO 1. Students can demonstrate an understanding of the characteristics of living organisms including their chemical composition, cellular structure, and cellular metabolism.	
	SLO 2. Students can understand, analyze and evaluate original research literature and communicate this understanding using appropriate technology.	
BTEC 51AL	CELL BIOLOGY LABORATORY FOR BIOTECHNOLOGY	
	SLO 1. Students can perform basic cell biology techniques	
	SLO 2. Students can keep industry-standard records	
BTEC 52A	MOLECULAR BIOLOGY FOR BIOTECHNOLOGY	
	SLO 1. Students demonstrate an understanding of the main principles, theories and concepts underlying molecular biology and its applications in biotechnology	
	SLO 2. Students demonstrate the ability to clearly define questions or problems and develop comprehensive solutions individually and/or collaboratively.	
BTEC 52AL	MOLECULAR BIOLOGY LABORATORY FOR BIOTECHNOLOGY	
	SLO 1. Students can perform basic molecular biology techniques including growing, transforming, and cloning bacterial cells, utilizing restriction enzymes to manipulate DNA, and PCR in the laboratory	
	SLO 2. Students can keep industry-standard records	
BTEC 53A	IMMUNOLOGY & VIROLOGY FOR BIOTECHNOLOGY	
	SLO 1. Students can compare and contrast innate and adaptive immunity.	
	SLO 2. Students can describe the importance of immunology to the field of biotechnology.	
	SLO 3. Students can describe the importance of virology to the field of biotechnology.	
BTEC 53AL	IMMUNOLOGY LABORATORY FOR BIOTECHNOLOGY	

- SLO 1. Students can design specific ELISA and Western Blot tests for various diagnostic purposes.
- SLO 2. Students can select and dilute the appropriate antibody for use in diagnostic tests.
- SLO 3. Students can interpret results from specific ELISA and Western Blot tests.
- SLO 4. Students can perform all aspects of sterile technique.

BTEC 54 BIOTECHNOLOGY EXTERNSHIP

- SLO 1. Students can interview and successfully obtain an internship
- SLO 2. Students can perform job tasks as assigned by their supervisors

BTEC 60 PLANT BIOTECHNOLOGY & TISSUE CULTURE

- SLO 1. Students can perform basic plant micro-propagation techniques
- SLO 2. Students can keep industry-standard records

BTEC 61 MICROBIAL BIOTECHNOLOGY

- SLO 1. Students can perform basic microbial techniques as they relate to the field of biotechnology
- SLO 2. Students can keep industry-standard records

BTEC 64 PROTEIN ELECTROPHORETIC SYSTEMS: LABORATORY TECHNIQUE

- SLO 1. Students can perform basic electrophoretic techniques
- SLO 2. Students can keep industry-standard records

BTEC 65 NUCLEIC ACIDS ELECTROPHORETIC SYSTEMS: LABORATORY TECHNIQUE

- SLO 1. Students can perform basic electrophoretic techniques
- SLO 2. Students can keep industry-standard records

BTEC 66 HPLC: LABORATORY TECHNIQUE

- SLO 1. Students can perform basic HPLC techniques
- SLO 2. Students can keep industry-standard records

BTEC 67 IMMUNOLOGICAL ASSAYS: LABORATORY TECHNIQUE

- SLO 1. Students can perform basic immunological techniques
- SLO 2. Students can keep industry-standard records

BTEC 68 POLYMERASE CHAIN REACTION: LABORATORY TECHNIQUE

- SLO 1. Students can perform basic PCR techniques
- SLO 2. Students can keep industry-standard records

BTEC 69 MAMMALIAN CELL CULTURE TECHNIQUES

- SLO 1. Students can perform basic cell culture techniques
- SLO 2. Students can keep industry-standard records

BTEC 71 ADVANCED MOLECULAR BIOLOGY TECHNIQUES

- SLO 1. Students can perform basic molecular biology techniques
- SLO 2. Students can keep industry-standard records

BTEC 73 HISTOTECHNOLOGY IN RESEARCH

- SLO 1. Students can perform basic histotechnological techniques
- SLO 2. Students can keep industry-standard records

BTEC 75 IMMUNOBIOTECHNOLOGY

- SLO 1. Students can relate immunobiology to the field of biotechnology

SLO 2. Students can describe molecular pathways in the context of immunology

BTEC 77 ENVIRONMENTAL BIOTECHNOLOGY No SLOs on file.

32 of 29 Course IDs for *BUSI* in the Business and Social Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
BUSI 18	BUSINESS LAW I	<p>SLO 1. Students will demonstrate appropriate use of business terms and concepts in their court visitation report.</p> <p>ILO 1. 2. Creative, critical and analytical thinking</p> <p>SLO 2. Students will critically analyze, evaluate and interpret information by integrating legal knowledge in problem-solving and decision-making processes from their court visitation report.</p> <p>ILO 2. 2. Creative, critical and analytical thinking</p> <p>SLO 3. Students will demonstrate their business knowledge and critical thinking in preparing their court report and presenting their summary during an oral presentation.</p> <p>ILO 3. 2. Creative, critical and analytical thinking</p>
BUSI 19	BUSINESS LAW II	<p>SLO 1. Students will demonstrate appropriate use of business terms and concepts in their expanded court visitation report.</p> <p>SLO 2. Students will critically analyze, evaluate and interpret information by integrating legal knowledge in problem-solving and decision-making processes from their expanded court visitation report.</p> <p>SLO 3. Students will demonstrate their business knowledge and critical thinking in preparing their expanded court report and presenting their summary during an oral presentation.</p>
BUSI 22	PRINCIPLES OF BUSINESS	<p>SLO 1. Students will demonstrate appropriate use of business terms and concepts in their business plans.</p> <p>ILO 1. 2. Creative, critical and analytical thinking</p> <p>SLO 2. Students will critically analyze, evaluate and interpret information by integrating business knowledge in problem-solving and decision-making processes in their business plans.</p> <p>ILO 2. 2. Creative, critical and analytical thinking</p> <p>SLO 3. Students will demonstrate their business knowledge and critical thinking in creating their business plans and presentations.</p> <p>ILO 3. 2. Creative, critical and analytical thinking</p>
BUSI 34H	HONORS INSTITUTE SEMINAR IN BUSINESS	<p>SLO 1. Students will demonstrate an understanding of business ethics, leadership and management.</p> <p>ILO 1. 2. Creative, critical and analytical thinking</p> <p>SLO 2. Students will display their research findings in their term project.</p> <p>ILO 2. 2. Creative, critical and analytical thinking</p>
BUSI 35	DEPARTMENT HONORS PROJECTS IN BUSINESS	<p>SLO 1. Critical analysis of readings, research and case studies.</p> <p>SLO 2. Effectively demonstrate feasible study in presentation format.</p>
BUSI 53	SURVEY OF INTERNATIONAL BUSINESS	<p>SLO 1. Students will demonstrate an understanding and appropriate use of international business terms and concepts in the written component of the term project.</p>

SLO 2. Students will critically analyze, evaluate and interpret international business information for their term projects.

SLO 3. Students will demonstrate international business concepts and strategies in their term projects and oral presentations.

BUSI 57 PRINCIPLES OF ADVERTISING

SLO 1. Students will demonstrate an understanding and appropriate use of advertising terms and concepts in the written component of the term project.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. Students will critically analyze, evaluate and interpret advertising information for their term projects.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 3. Students will demonstrate advertising concepts and strategies in their term projects and oral presentations.

ILO 3. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

BUSI 58 SURVEY OF INTERNATIONAL MARKETING

SLO 1. Students will demonstrate an understanding and appropriate use of international marketing terms and concepts in the written component of the term project.

SLO 2. Students will critically analyze, evaluate and interpret international marketing information for their term projects.

SLO 3. Students will demonstrate international marketing concepts and strategies in their term projects and oral presentations.

BUSI 59 PRINCIPLES OF MARKETING

SLO 1. Students will demonstrate appropriate use of marketing terms and concepts in their marketing plans.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Students will critically analyze, evaluate and interpret information by integrating marketing knowledge in problem-solving and decision-making processes in their marketing plans.

ILO 2. 2. Creative, critical and analytical thinking

SLO 3. Students will demonstrate their marketing knowledge and critical thinking in creating their marketing plans and presentations.

ILO 3. 2. Creative, critical and analytical thinking

BUSI 61 INVESTMENT FUNDAMENTALS

SLO 1. Students will demonstrate an understanding and appropriate use of financial business terms and concepts in the term project.

SLO 2. Students will critically analyze, evaluate and interpret financial business information for their term projects.

SLO 3. Students will demonstrate financial business concepts and strategies in their term projects and presentations.

BUSI 62 PRINCIPLES OF SALESMANSHIP

SLO 1. Students will demonstrate an understanding and appropriate use of business terms and concepts in the term project.

SLO 2. Students will critically analyze, evaluate and interpret business information for their term project.

SLO 3. Students will demonstrate business concepts and strategies in their term project and presentations.

BUSI 64 SPECIAL PROJECTS IN BUSINESS

SLO 1. Critical analysis of readings, research and case studies.

ILO 1. 2. Creative, critical and analytical thinking

- SLO 2.** Effectively demonstrate research in written format.
ILO 2. 2. Creative, critical and analytical thinking
- BUSI 64X** SPECIAL PROJECTS IN BUSINESS
SLO 1. Critical analysis of readings, research and case studies.
SLO 2. Effectively demonstrate research in written format.
- BUSI 64Y** SPECIAL PROJECTS IN BUSINESS
SLO 1. Critical analysis of readings, research and case studies.
SLO 2. Effectively demonstrate research in written format.
- BUSI 64Z** SPECIAL PROJECTS IN BUSINESS
SLO 1. Critical analysis of readings, research and case studies.
SLO 2. Effectively demonstrate research in written format.
- BUSI 70** BUSINESS & PROFESSIONAL ETHICS
SLO 1. Students will demonstrate appropriate use of business terms and concepts in their Ethics Analysis paper.
SLO 2. Students will critically analyze, evaluate and interpret information in their Ethics Analysis paper.
SLO 3. Students will demonstrate their ethics and philosophy knowledge in preparing their Ethics Analysis paper and presenting their summary during an oral presentation.
- BUSI 90A** PRINCIPLES OF MANAGEMENT
SLO 1. Students will demonstrate appropriate use of business management terms and concepts in their strategic management plans.
SLO 2. Students will critically analyze, evaluate and interpret information by integrating management knowledge in problem-solving and decision-making processes in their strategic management plans.
SLO 3. Students will demonstrate their management knowledge and critical thinking in their strategic management plans and presentations.
- BUSI 91L** INTRODUCTION TO BUSINESS INFORMATION PROCESSING
SLO 1. Students will understand the use software on the Personal Computer.
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Students will demonstrate an understanding and appropriate use of Microsoft Office by Creating reports, charts, graphs, slides, files, using productivity tools such as Word, Excel, Access, PowerPoint.
ILO 2. 2. Creative, critical and analytical thinking
- BUSI 92** FINANCIAL PLANNING PRACTICES
SLO 1. Students will demonstrate an understanding and appropriate use of financial business terms and concepts in the term project.
SLO 2. Students will critically analyze, evaluate and interpret financial business information for their term projects.
SLO 3. Students will demonstrate financial business concepts and strategies in their term projects and presentations.
- BUSI 95** ENTREPRENEURSHIP - SMALL BUSINESS MANAGEMENT
SLO 1. Students will demonstrate appropriate use of business terms and concepts in their business plans.
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Students will critically analyze, evaluate and interpret information by integrating business knowledge in problem-solving and decision-making processes in their business plans.
ILO 2. 2. Creative, critical and analytical thinking
SLO 3. Students will demonstrate their business knowledge and critical thinking in creating their business plans and presentations.

ILO 3. 2. Creative, critical and analytical thinking

BUSI 95E	SMALL BUSINESS EXPORT & IMPORT	
	SLO 1. Students will demonstrate an understanding and appropriate use of international business terms and concepts in the written component of the term project.	
	SLO 2. Students will critically analyze, evaluate and interpret international business information for their term projects.	
	SLO 3. Students will demonstrate international business concepts and strategies in their term projects and oral presentations.	
BUSI 97	MANAGEMENT SEMINAR	
	SLO 1. Critical analysis of readings, research and case studies.	
	SLO 2. Effectively demonstrate research in written format.	
BUSI 99	SUPERVISED BUSINESS INTERNSHIPS	No SLOs on file.
BUSI 99X	SUPERVISED BUSINESS INTERNSHIPS	No SLOs on file.
BUSI 99Y	SUPERVISED BUSINESS INTERNSHIPS	No SLOs on file.
BUSI 120	DISPUTE RESOLUTION & MEDIATION	
	SLO 1. Apply mediation skills and process to resolve community, workplace and business issues.	
	SLO 2. Integrate appropriate mediation techniques.	
BUSI 231B	HOW TO START A HOME-BASED BUSINESS	No SLOs on file.
BUSI 233A	STARTING A SMALL BUSINESS	No SLOs on file.
BUSI 233E	SMALL BUSINESS MARKETING, RESEARCH & PLANNING	No SLOs on file.

0 of 9 Course IDs for *CE* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

18 of 37 Course IDs for *CAST* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
CAST 50D	USING ACCESS	No SLOs on file.
CAST 50E	LINUX DESKTOP INSTALLATION	No SLOs on file.
CAST 52A	INTRODUCTION TO MACROMEDIA FLASH	
	SLO 1. Understanding animation basics using tweening.	
	SLO 2. Ability to create vector shapes.	
CAST 52B	ADVANCED MACROMEDIA FLASH	No SLOs on file.
CAST 56A	INTRODUCTION TO FILEMAKER PRO	No SLOs on file.
CAST 56AS	INTRODUCTION TO FILEMAKER PRO	No SLOs on file.
CAST 63A	INTRODUCTION TO COMPUTER-AIDED DRAFTING USING AUTODESK AUTOCAD	
	SLO 1. Knowledge of basic AutoCAD operation	
	SLO 2. Creation and modification of settings and templates	
	SLO 3. Creation and editing of basic geometry	
	SLO 4. Creation of drawings and dimensions	
	SLO 5. Familiarity with basic drafting conventions and practices, including different ways of clearly presenting an object in a drawing	
CAST 63B	ADVANCED COMPUTER-AIDED DRAFTING USING AUTOCAD SOFTWARE	

- SLO 1. Knowledge of advanced AutoCAD techniques. This includes setup, configuration, and templates. These techniques allow the user to configure the program for use in different industries, and are material needed for CAD managers.
- SLO 2. Creation and manipulation of 2D and 3D objects. Going beyond basic drawing commands, 63B covers advanced commands for quickly creating and editing more complex drawings. 3D commands form an introduction to "solid modeling" where 3D geometry is created and used to quickly create multi-view drawings. Solid modeling is used more commonly in industry, and also introduces the student to concepts used in more advanced CAD programs.
- SLO 3. Working with plotting and printing settings to properly print drawings. Producing correct output with a variety of printers is an essential skill, and is also required for CAD managers.
- SLO 4. Working with more advanced settings and external references. This includes more advanced configuration settings, manipulating configurations, and using common data libraries that are used by many larger firms.
- SLO 5. Advanced multi-view drawing techniques. The efficient creation and editing of multi-view and isometric drawing views is an essential skill and is definitely required when working with more complex projects and drawings.
- SLO 6. 3D rendering and motion studies. This class introduces the student to the 3D capabilities in AutoCAD. Studying the range of motion for moving assemblies, and producing realistic rendered images of 3D geometry is an increasingly common task for drafters and designers.

CAST 64A INTRODUCTION TO AUTODESK MECHANICAL DESKTOP SOFTWARE (AUTODESK INVENTOR PROFESSIONAL)

- SLO 1. Knowledge of basic inventor operation
- SLO 2. Knowledge of beginning 3D "Parametric" modeling techniques
- SLO 3. Creation and modification of settings and templates
- SLO 4. Creation and editing of basic geometry
- SLO 5. Creation of drawings and dimensions

CAST 65A INTRODUCTION TO AUTODESK ARCHITECTURAL DESKTOP SOFTWARE

- SLO 1. Knowledge of basic Architectural Desktop software operation
- SLO 2. Creation and modification of settings and templates
- SLO 3. Creation of drawings, dimensions and annotations, including architecture-specific features (e.g. various wall, window and door types, addition of plumbing, HVAC and electrical elements, sections and elevations)
- SLO 4. Creation of schedules linked to drawn elements
- SLO 5. Familiarity with basic drafting conventions and practices

CAST 66A INTRODUCTION TO AUTODESK CIVIL 3D SOFTWARE

- SLO 1. Knowledge of basic Civil 3D software operation
- SLO 2. Creation and modification of settings and templates
- SLO 3. Project creation with a variety of data sources including imagery and terrain models from Google Earth™ mapping services, geospatial data, and other sources to visualize the ecosystem of a project
- SLO 4. Use of basic terrain shaping tools while maintaining dynamic relationships to source data, including contours, breaklines, corridor models, and grading objects.

CAST 70A	INTRODUCTION TO ADOBE PREMIERE	No SLOs on file.
CAST 70B	MULTIMEDIA DESIGN & AUTHORIZING	No SLOs on file.
CAST 70C	INTERACTIVE MULTIMEDIA PROJECT	No SLOs on file.
CAST 70D	3D MODELING & ANIMATION FOR MULTIMEDIA	No SLOs on file.
CAST 70E	INTRODUCTION TO DVD AUTHORIZING	No SLOs on file.
CAST 70G	INTRODUCTION TO MACROMEDIA DIRECTOR	No SLOs on file.
CAST 70H	ADVANCED MACROMEDIA DIRECTOR	No SLOs on file.
CAST 74G	WEB PUBLISHING TOOLS: DREAMWEAVER	No SLOs on file.

SLO 2. Use collaborative servers/software (SharePoint Services, Office SharePoint Server and Office SharePoint Designer) to communicate and to share files.

SLO 3. Acquire the knowledge/skills necessary for passing the Microsoft Office Certification Exams.

CAST 107 INTRODUCTION TO EXCEL No SLOs on file.

CAST 107D EXCEL: BASICS

SLO 1. Apply the Microsoft Excel application to completing specific tasks.

SLO 2. Use collaborative servers/software to communicate and to share files.

SLO 3. Acquire the knowledge/skills necessary for passing the Microsoft Office Certification Exams.

CAST 109F USING ACCESS No SLOs on file.

CAST 221 OVERVIEW OF ADOBE PHOTOSHOP No SLOs on file.

9 of 16 Course IDs for *CHEM* in the Physical Sciences, Mathematics & Engineering Division have SLO's. 2009-2010

Course ID	Title	SLO's
CHEM 1A	GENERAL CHEMISTRY	<p>SLO 1. The students will be able to define and use molarity in solution stoichiometry.</p> <p>SLO 2. The students will be able to use Hess's law to determine enthalpies of reaction.</p>
CHEM 1B	GENERAL CHEMISTRY	<p>SLO 1. Students will understand the concept of hydrogen bonding. They will identify the molecular features that lead to hydrogen bonding and indicate the effect hydrogen bonding has on physical properties of substances.</p> <p>SLO 2. Students will understand the basic thermodynamic concepts involved in the transfer of heat energy between a system undergoing a physical or chemical change and its surroundings. They will be able to relate an exothermic/endothermic process to: (1) a decrease/increase in potential energy of the system and (2) an increase/decrease in kinetic energy of the surroundings. They will further be able to identify the underlying processes involved in potential energy changes of a system.</p> <p>SLO 3. Students will be able to graph experimental data, determine the mathematical relationship between the variables involved, interpret graphs and make conclusions based on graphs.</p>
CHEM 1C	GENERAL CHEMISTRY & QUALITATIVE ANALYSIS	<p>SLO 1. Students will understand the concept of buffer solutions. They will:</p> <ol style="list-style-type: none"> understand the general components necessary for a solution to act as a buffer. be able to determine if a given solution can act as a buffer and its optimum pH range. understand the chemical reactions that work to stabilize pH within a buffer solution. be able to write the chemical reactions that work to stabilize pH within a buffer. <p>SLO 2. Students will have a basic understanding of electrochemical processes, voltaic cells and electrolytic cells. They will</p> <ol style="list-style-type: none"> know the difference between oxidation and reduction and be able to correctly determine if a reaction is an oxidation-reduction reaction or not. know the difference between a voltaic cell and an electrolytic cell. be able to draw/diagram a voltaic cell, including correctly identifying and labeling the anode, the cathode, the reactions that occur at each electrode and the direction of electron flow when the cell is operating. <p>SLO 3. Students will understand the following basic concepts of nuclear chemistry:</p> <ol style="list-style-type: none"> They will know what a beta particle, an alpha particle and a gamma ray are and they will know and understand the difference in penetrating power/depth of these three types of nuclear radiation. They will be able to identify a nuclear process as either fission or fusion. They will understand the concept of critical mass and how it relates to the difference between a nuclear weapon and a nuclear power plant.

d) They will understand the concepts involved (first order radioactive decay) in radioactive dating of artifacts.

CHEM 12A	ORGANIC CHEMISTRY	
	SLO 1. Recognize structural features of organic molecules important to their reactivity.	
	SLO 2. Predict the stereochemical outcome of a chemical reaction from its mechanism.	
CHEM 12B	ORGANIC CHEMISTRY	
	SLO 1. Determine the stereochemical outcome of a chemical reaction based on its mechanism.	
	SLO 2. Effectively write an electronic mechanism accounting for the outcome of a chemical reaction.	
	SLO 3. Understand the role thermodynamics and kinetics plays in the outcome of a chemical reaction.	
CHEM 12C	ORGANIC CHEMISTRY	
	SLO 1. Design a concise, logical chemical synthesis of an expanded array of organic target molecules from simple precursors.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Recognize structural features of organic molecules important to their reactivity.	
	ILO 2. 2. Creative, critical and analytical thinking	
CHEM 25	FUNDAMENTALS OF CHEMISTRY	
	SLO 1. The students will be able to use dimensional analysis to set up and solve numerical problems.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. The students will be able to identify physical and chemical properties and changes.	
	ILO 2. 2. Creative, critical and analytical thinking	
	SLO 3. The students will understand the meaning and uses of the mole and of Avogadro's number.	
	ILO 3. 3. Computation	
CHEM 30A	SURVEY OF INORGANIC & ORGANIC CHEMISTRY	
	SLO 1. Students will be able to classify matter correctly.	
	SLO 2. Students will be able to use common laboratory equipment correctly and report measurements to the correct significant figures with proper units. Equipment includes Bunsen burners, beakers, graduated cylinders, thermometers, top loading balances, rulers and burets.	
	SLO 3. Students will be able to represent chemical changes correctly through balanced chemical equations with proper formulas for elements and compounds.	
CHEM 30B	SURVEY OF ORGANIC & BIOCHEMISTRY	
	SLO 1. Students will be able to name simple organic compounds and recognize and name functional groups in an organic compound. By recognizing a functional group, students will be able to determine general reactivity and write reactions to show that reactivity.	
	SLO 2. Students will be able to describe the general structure of carbohydrates, fatty acids, amino acids and proteins, nucleotides and nucleic acids. Students will know the roles of these bio-molecules in the body.	
	SLO 3. Students will be able to describe DNA replication, transcription and translation.	
	SLO 4. Students will understand the chemistry of common metabolic processes.	
CHEM 36	SPECIAL PROJECTS IN CHEMISTRY	No SLOs on file.
CHEM 36X	SPECIAL PROJECTS IN CHEMISTRY	No SLOs on file.
CHEM 36Y	SPECIAL PROJECTS IN CHEMISTRY	No SLOs on file.
CHEM 70	STUDY SKILLS & PROBLEM SOLVING STRATEGIES FOR CHEM 1A	No SLOs on file.
CHEM 100	CHEMISTRY STUDENT ASSISTANCE	No SLOs on file.
CHEM 100X	CHEMISTRY STUDENT ASSISTANCE	No SLOs on file.

CHEM 100Y CHEMISTRY STUDENT ASSISTANCE No SLOs on file.

17 of 15 Course IDs for *CHIN* in the Language Arts Division have SLO's. 2009-2010

Course ID	Title	SLO's
CHIN 1	ELEMENTARY CHINESE I	<p>SLO 1. Develop the native sense of four tone usage of Chinese pronunciation and demonstrate knowledge of basic grammatical structures and vocabulary.</p> <p>SLO 2. Recognize simple oral and written messages and produce short sentences, orally and in writing. (Recognize and reproduce some 150 characters.)</p>
CHIN 2	ELEMENTARY CHINESE II	<p>SLO 1. Show increased accuracy in four tone system in Chinese pronunciation.</p> <p>SLO 2. Comprehend and communicate ideas in Chinese within the framework of the vocabulary covered. (Recognize and reproduce a total of 300 Chinese characters.)</p>
CHIN 3	ELEMENTARY CHINESE III	<p>SLO 1. Demonstrate communication skills in Chinese as pertaining to daily life.</p> <p>SLO 2. Write short stories within the framework of daily activities.</p>
CHIN 4	INTERMEDIATE CHINESE I	<p>SLO 1. Demonstrate oral communication skills in Chinese in practical everyday life situations.</p> <p>SLO 2. Comprehend simplified articles. Write simple paragraphs.</p>
CHIN 5	INTERMEDIATE CHINESE II	<p>SLO 1. Speak with a degree of fluency and accuracy in daily situations.</p> <p>SLO 2. Comprehend simplified articles about daily life & some literature. Write simple compositions.</p>
CHIN 6	INTERMEDIATE CHINESE III	<p>SLO 1. Comprehend authentic short articles and literary works.</p> <p>SLO 2. Speak with fluency about various topics.</p>
CHIN 13A	INTERMEDIATE CONVERSATION I	<p>SLO 1. Speak idiomatically about the basic social topics.</p> <p>SLO 2. Distinguish language usage for formal and informal situations.</p>
CHIN 13B	INTERMEDIATE CONVERSATION II	<p>SLO 1. Communicate with native speakers on basic social topics at a normal rate of speed.</p> <p>SLO 2. Sustain conversations on various aspects of China and Chinese culture.</p>
CHIN 13C	INTERMEDIATE CONVERSATION III	No SLOs on file.
CHIN 14A	ADVANCED CONVERSATION I	<p>SLO 1. Express agreement/disagreement in group discussions on various topics. State and support one's opinions.</p> <p>SLO 2. Respond with greater accuracy and fluency to a variety of topics.</p>
CHIN 14B	ADVANCED CONVERSATION II	<p>SLO 1. Talk intelligently and idiomatically about topics covered on a variety of topics.</p> <p>SLO 2. Demonstrate comprehension of the gist of some film, radio, and television broadcasts on general topics.</p>
CHIN 14C	ADVANCED CONVERSATION III	No SLOs on file.
CHIN 25A	ADVANCED COMPOSITION & READING I	

- SLO 1. Comprehend authentic texts on basic current events, social and cultural issues.
- SLO 2. Write about basic current events, social and cultural issues utilizing basic grammar constructs and syntax.

CHIN 25B ADVANCED COMPOSITION & READING II

- SLO 1. Comprehend authentic texts on social, economic, and political issues.
- SLO 2. Write about social, economic, and political issues with a command of the full range of Chinese constructs and syntax.

CHIN 103 CHINESE BUSINESS CULTURE & ETIQUETTE

- SLO 1. Use and understand basic greetings, introductions, and social exchanges in a business setting.
- SLO 2. Distinguish formal/informal styles and interact appropriately with business associates.

34 of 32 Course IDs for *CHLD* in the Business and Social Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
CHLD 1	CHILD DEVELOPMENT: PRENATAL TO EARLY CHILDHOOD	No SLOs on file.
CHLD 2	CHILD DEVELOPMENT: MIDDLE CHILDHOOD TO ADOLESCENCE	No SLOs on file.
CHLD 11	AFFIRMING DIVERSITY IN EDUCATION	<ul style="list-style-type: none"> SLO 1. Identify the goals of multicultural education and ways they can be incorporated in the classroom. ILO 1. 4. Community/global consciousness and responsibility SLO 2. Analyze the multifaceted nature of diversity and how stereotypes can influence development. ILO 2. 4. Community/global consciousness and responsibility SLO 3. Assess children's development of understanding of diversity and the meaning of multicultural education. ILO 3. 2. Creative, critical and analytical thinking
CHLD 50	SCHOOL-AGE CHILD (5-12): BEHAVIOR & DEVELOPMENT	<ul style="list-style-type: none"> SLO 1. Examine the major principals of 2 theories in child development and ways that they can be implemented in the classroom. SLO 2. Explore several strategies to enhance children's self-esteem.
CHLD 50A	INFANT/TODDLER DEVELOPMENT	<ul style="list-style-type: none"> SLO 1. Identify the principles of relationship based learning with infants and toddlers. ILO 1. 2. Creative, critical and analytical thinking SLO 2. Compare developmental pathways of young infants, mobile infants, and toddlers. ILO 2. 2. Creative, critical and analytical thinking
CHLD 53NC	SUPPORTING CHILDREN WITH SPECIAL NEEDS IN CHILDREN'S PROGRAMS	<ul style="list-style-type: none"> SLO 1. Identify the supports needed for all children and their families, as it relates to building partnerships with professionals in other disciplines. (i.e. therapists, doctors, educators, case managers, etc.) SLO 2. Assess and design effective learning environments and experiences for all children including children with disabilities and other special needs conditions.
CHLD 53NP	DEVELOPMENT OF CHILDREN WITH SPECIAL NEEDS	<ul style="list-style-type: none"> SLO 1. Recognize and understand atypical developmental behaviors as it may relate to a variety of specific diagnosed disabilities and other special needs conditions.

SLO 2. Determine the relationships among family systems theory, services in the community and current laws.

CHLD 55 CHILD GROWTH & DEVELOPMENT

SLO 1. Identify and describe the developmental characteristics (cognitive, physical, emotional, and social) of children birth through adolescence.

SLO 2. Demonstrate knowledge of the major influences to development including culture, heredity, and environmental factors.

CHLD 56 OBSERVATION & ASSESSMENT

SLO 1. Identify the different components of a documentation panel.

SLO 2. Demonstrate knowledge of the process of identifying individual needs through observation.

CHLD 56N PRINCIPLES & PRACTICES OF TEACHING YOUNG CHILDREN

SLO 1. Interpret best teaching and care practices as defined within the field of early care and education's history, range of delivery systems, program types and philosophies, and ethical standards.

SLO 2. Evaluate the teacher's role in providing best practices in early childhood programs.

SLO 3. Examine the value of play as a vehicle for developing skills, knowledge, dispositions and strengthening relationships among young children.

SLO 4. Demonstrate an understanding of ethical and professional standards based upon NAEYC's Code of Ethical Conduct.

SLO 1. Interpret best teaching and care practices as defined within the field of early care and education's history, range of delivery systems, program types and philosophies, and ethical standards.

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SLO 2. Evaluate the teacher's role in providing best practices in early childhood programs.

SLO 3. Examine the value of play as a vehicle for developing skills, knowledge, dispositions and strengthening relationships among young children.

SLO 4. Demonstrate an understanding of ethical and professional standards based upon NAEYC's Code of Ethical Conduct.

CHLD 59 WORKING WITH SCHOOL-AGE CHILDREN: PRINCIPLES & PRACTICES

SLO 1. Identify the behaviors and characteristics of children ages five to twelve years.

SLO 2. Define the elements of developmentally appropriate, high quality school-age child care.

CHLD 63N ARTISTIC & CREATIVE DEVELOPMENT

SLO 1. Compare and contrast methods that encourage and discourage creative growth in the young child.

SLO 2. Awareness of the benefits about using a variety of media to promote children's sensitivity to, and use of various tactile, visual and performing arts.

CHLD 68 SPECIAL TOPICS/PROJECTS IN CHILD DEVELOPMENT

- SLO 1.** Demonstrate research skills, critical thinking and application of knowledge in topical areas in the study of child development.
- SLO 2.** Demonstrate knowledge of child development theory in the field of early care and education.
- CHLD 68X SPECIAL TOPICS/PROJECTS IN CHILD DEVELOPMENT
- SLO 1.** Demonstrate research skills, critical thinking and application of knowledge in topical areas in the study of child development.
- SLO 2.** Demonstrate knowledge of child development theory in the field of early care and education.
- CHLD 68Y SPECIAL TOPICS/PROJECTS IN CHILD DEVELOPMENT
- SLO 1.** Demonstrate research skills, critical thinking and application of knowledge in topical areas in the study of child development.
- SLO 2.** Demonstrate knowledge of child development theory in the field of early care and education.
- CHLD 68Z SPECIAL TOPICS/PROJECTS IN CHILD DEVELOPMENT
- SLO 1.** Demonstrate research skills, critical thinking and application of knowledge in topical areas in the study of child development.
- SLO 2.** Demonstrate knowledge of child development theory in the field of early care and education.
- CHLD 71 PLANNING CREATIVE ART ACTIVITIES FOR CHILDREN
- SLO 1.** Demonstrate the ability to plan, prepare, and facilitate an open-ended art experience.
- SLO 2.** Recognize of the variety of art media that can be used with young children to encourage their creativity.
- CHLD 72 LANGUAGE DEVELOPMENT
- SLO 1.** Identify the stages of language acquisition and development.
- SLO 2.** Demonstrate knowledge of how language can be integrated throughout the program.
- CHLD 73 MUSIC & MOVEMENT IN THE EARLY YEARS
- SLO 1.** Demonstrate knowledge of current research linking music to areas of development
- SLO 2.** Design a music plan to enhance various areas of development.
- CHLD 74 SCIENCE & NATURE
- SLO 1.** Plan, facilitate, and evaluate developmentally appropriate science and nature activities
- ILO 1.** 2. Creative, critical and analytical thinking
- SLO 2.** Demonstrate an understanding of the importance of science and nature when planning curriculum in an early childhood program.
- ILO 2.** 2. Creative, critical and analytical thinking
- SLO 3.** Develop a plan to integrate science with music, cooking, and other daily activities.
- ILO 3.** 2. Creative, critical and analytical thinking
- CHLD 79 CARING FOR INFANTS & TODDLERS IN GROUPS
- SLO 1.** Design a high quality environment for infants and toddlers.
- SLO 2.** Recognize the importance of cultural sensitivity as it relates to infant/toddler caregiving.
- CHLD 82 PLANNING CREATIVE DRAMATICS
- SLO 1.** Analyze and compare children's books that would be the most successful for children to use for story re-enactment experiences
- SLO 2.** Demonstrate the use of various props that can be used to tell or re-enact a story.
- CHLD 85 LITERACY & LITERATURE IN EARLY CHILDHOOD EDUCATION
- SLO 1.** Identify age-appropriate literature to support the developmental needs of young children.

- SLO 2.** Demonstrate understanding of methods and techniques for presenting literature to young children.
- CHLD 86A MENTORING THE EARLY CARE & EDUCATION PROFESSIONAL
- SLO 1.** Demonstrate the principles and philosophies of early childhood education best practices
- SLO 2.** Identify and apply knowledge of the developmental stages of assistant teachers, student teachers, parents and volunteers.
- CHLD 86B PRACTICUM STUDENT TEACHING IN AN EARLY CHILDHOOD PROGRAM
- SLO 1.** Plan, facilitate and evaluate developmentally appropriate activities in various learning areas.
- SLO 2.** Identify a teacher's role and communicate the principles and philosophies of early childhood education.
- CHLD 88 CHILD, FAMILY & COMMUNITY
- SLO 1.** Demonstrate familiarity of local resources to assist children and families.
- SLO 2.** Identify various family structures, family strengths, and family stressors.
- SLO 3.** Demonstrate understanding of the impact of culture on a child's development.
- CHLD 88B POSITIVE BEHAVIOR MANAGEMENT
- SLO 1.** Investigate the probable causes of behavior as it relates to culture, family values, second language acquisition and environment.
- SLO 2.** Demonstrate effective age appropriate strategies when addressing conflict resolution scenarios.
- CHLD 89 CURRICULUM FOR EARLY CARE & EDUCATION PROGRAMS
- SLO 1.** Evaluate various areas of the classroom by analyzing what children learn in various interest centers.
- SLO 2.** Generate a lesson web incorporating creative activities for interest areas.
- CHLD 90B ADMINISTRATION & SUPERVISION OF CHILDREN'S PROGRAMS
PART I
- SLO 1.** Identify the roles and responsibilities of the director as administrator of an early care and education program.
- SLO 2.** Analyze the importance of program philosophy to all other aspects of operation and systems development.
- SLO 3.** Apply key concepts to manage financial and funding aspects of an early care and education program.
- CHLD 90C ADMINISTRATION & SUPERVISION OF CHILDREN'S PROGRAMS
PART 2
- SLO 1.** Analyze the effectiveness of various marketing materials summarizing information about early care and education programs.
- SLO 2.** Demonstrate knowledge needed to effectively conduct a parent tour in marketing an early care and education program.
- SLO 3.** Assess the quality of an early care and education program's administration using selected professional assessments such as PAS.
- CHLD 91 ADMINISTRATION & SUPERVISION: ADULT SUPERVISION & LEADERSHIP
- SLO 1.** Analyze guidance, teaching and evaluation strategies that are used for adults supervised in early care and education settings.
- SLO 2.** Identify the developmental learning stages of teachers and other adults in an early care and education program.
- SLO 3.** Identify leadership styles and assess one's own leadership development.

SLO 4. Demonstrate understanding of the value and impact of change in early care and education settings.

CHLD 95 HEALTH, SAFETY & NUTRITION IN CHILDREN'S PROGRAMS

SLO 1. Demonstrate knowledge of information on planning for emergencies and natural disasters.

ILO 1. 1. Communication

SLO 2. Identify the components of the food pyramid and be able to plan healthy meals and/or snacks for children.

ILO 2. 2. Creative, critical and analytical thinking

SLO 3. Identify signs and symptoms of child abuse and know how to report suspected abuse.

ILO 3. 2. Creative, critical and analytical thinking

67 of 72 Course IDs for CIS in the Computers, Technology & Information Systems Division have SLO's.

2009-2010

Course ID	Title	SLO's
CIS 1	INTRODUCTION TO COMPUTER SCIENCE	<p>SLO 1. Students will be able to describe the basic components of a computer-based information system and their functions.</p> <p>SLO 2. Students will be able to use a top down approach to design a solution to a problem using a computer application.</p>
CIS 2	COMPUTERS & SOCIETY	<p>SLO 1. Students will be able to identify and evaluate positive and negative impacts of a computer technology, computer system, or computer application, etc. on society.</p> <p>SLO 2. Students will be able to identify and evaluate a primary solution and an alternate solution to a societal problem caused by computers.</p>
CIS 12A	FUNDAMENTALS OF VISUAL BASIC.NET PROGRAMMING	<p>SLO 1. Demonstrate the comprehension of project specifications by writing a programming solution that meets project specifications.</p> <p>SLO 2. Create a programming solution that solves a problem using necessary, efficient and extensible logic.</p> <p>SLO 3. Demonstrate a comprehensive understanding of language tools by synthesizing and integrating multiple constructs into a single project.</p>
CIS 12C	INTERMEDIATE VISUAL BASIC PROGRAMMING	<p>SLO 1. Design a VB Solution that meets international usability criteria</p> <p>SLO 2. Design a VB.Net solution that incorporates a database</p> <p>SLO 3. Compare and Evaluate program flow options</p>
CIS 12D	ADVANCED VISUAL BASIC.NET FOR WINDOWS-BASED APPLICATIONS	<p>SLO 1. Use Windows Common Controls to create a VB solution</p> <p>SLO 2. Create a VB solution that incorporates a multiple document interface (MDI)</p> <p>SLO 3. Add a Help file system to a VB solution</p>
CIS 12W	DEVELOPING WEB APPLICATIONS WITH VISUAL BASIC.NET	<p>SLO 1. Create a Web Application solution</p> <p>SLO 2. Critique the use of XML in a VB web based solution</p> <p>SLO 3. Incorporate error handling in a web solution</p>
CIS 15A	COMPUTER SCIENCE I: C++	

	SLO 1. Produce a program that meets a given set of guidelines.	
	SLO 2. Demonstrates a comprehensive understanding of the language tools by synthesizing and integrating multiple language constructs in a single project.	
CIS 15B	COMPUTER SCIENCE II: C++	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 15C	COMPUTER SCIENCE III: DATA STRUCTURES & ALGORITHMS C++	
	SLO 1. Demonstrate the ability to implement abstract data structures in a real-world computer language.	
	SLO 2. Apply data structures and algorithms to different problems in effective, and efficient ways that result in a functioning program or program module.	
CIS 15D	DESIGNING WITH C++ CLASSES	No SLOs on file.
CIS 15P	C++ FOR PROGRAMMERS	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 18	DISCRETE MATHEMATICS	
	SLO 1. Refer to MTH 22 for SLOs; Course is Cross-Listed.	
	SLO 2. Refer to MTH 22 for SLOs; Course is Cross-Listed.	
CIS 19A	INTRODUCTION TO PROGRAMMING WITH C#	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 19K	USER INTERFACE DESIGN WITH EXPRESSIONS BLEND	
	SLO 1. Use Expression Blend to create attractive and functional user interfaces for Windows Presentation Foundation (WPF) applications.	
	SLO 2. Use Expression Blend to create attractive and functional user interfaces for Silverlight applications.	
	SLO 3. Use Expression Blend to add rich interactive application features such as audio, video and animations to WPF and Silverlight applications.	
CIS 19L	WINDOWS COMMUNICATION FOUNDATION (WCF) INTRODUCTION	No SLOs on file.
CIS 19P	ADVANCED PROGRAMMING WITH C#	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 19W	DEVELOPING WEB APPLICATIONS	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 25A	PROGRAMMING IN C	

- SLO 1. The student will be able to describe procedures that will allow one to remain current and competent in an IT profession.
- SLO 2. The student will be able to demonstrate procedures for how to collaborate in a global and diverse IT environment.

- CIS 52A INTRODUCTION TO DATA MANAGEMENT SYSTEMS
- SLO 1. Apply database concepts to explain different database management systems.
 - SLO 2. Create and maintain a simple database system using a DBMS for hands-on experience.
- CIS 52B ORACLE SQL
- SLO 1. Create, query and manipulate tables in a database using Oracle SQL.
 - SLO 2. Create and manage other schema objects using data definition language (DDL).
- CIS 52C DATABASE MODELING & RELATIONAL DATABASE DESIGN
- SLO 1. Draw entity-relationship (ER) diagrams.
 - SLO 2. Apply the database development life cycle in creating a capstone database design project.
- CIS 52E ORACLE DATABASE ADMINISTRATION I
- SLO 1. Explain the Oracle database architecture and how each component work and interact with each other.
 - SLO 2. Create an operational Oracle database and properly manage and maintain the various structures.
- CIS 52F ORACLE DATABASE ADMINISTRATION II
- SLO 1. Backup and recover an Oracle database using various administration tools.
 - SLO 2. Configure the Oracle database for better performance.
- CIS 52J ORACLE: PROGRAM WITH PL/SQL
- SLO 1. Create PL/SQL blocks of application code that can be shared by multiple forms, reports, and data management applications.
 - SLO 2. Develop, execute, and manage PL/SQL stored program units.
- CIS 52K ORACLE FORMS DEVELOPER: BUILD INTERNET APPLICATIONS
- SLO 1. Build, test, debug, and deploy interactive Internet applications.
 - SLO 2. Develop an order entry application from the ground up working in a graphical user interface(GUI) environment.
- CIS 52N PHP & MYSQL
- SLO 1. Write simple to intermediate programs using PHP.
 - SLO 2. Generate powerful, database-driven dynamic websites using PHP and MySQL.
- CIS 52P PHP PROGRAMMING
- SLO 1. Write advanced programs using PHP.
 - SLO 2. Create a capstone database-driven dynamic website using PHP and MySQL.
- CIS 52Q MYSQL: IN-DEPTH
- SLO 1. Create an operational MySQL database and properly manage and maintain the various structures.
 - SLO 2. Perform database administration functions on the MySQL database.
- CIS 54C MICROSOFT SQL SERVER DATABASE DEVELOPMENT & DESIGN
- SLO 1. Design a database strategy with all its associated components.
 - SLO 2. Design queries and the database for optimal performance.

CIS 54D	MICROSOFT SQL SERVER IMPLEMENTATION & MAINTENANCE	
	SLO 1. Install and configure Microsoft SQL Server.	
	SLO 2. Manage, maintain and monitor Microsoft SQL Server database.	
CIS 54E	MICROSOFT SQL SERVER DATABASE ADMINISTRATION	
	SLO 1. Monitor and troubleshoot queries, databases, and servers.	
	SLO 2. Optimize database server infrastructure using Microsoft SQL Server.	
CIS 55A	INTRODUCTION TO GAMES	
	SLO 1. Design a game using necessary, efficient and extensible logic.	
	SLO 2. Demonstrate the comprehension of the project specifications by designing a game that meets those specifications.	
CIS 55B	INTRODUCTION TO GAME DESIGN	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient game software.	
CIS 55C	PRACTICAL GAME DESIGN	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a game program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient game software.	
CIS 60	INTRODUCTION TO BUSINESS INFORMATION SYSTEMS	
	SLO 1. The student will be able to demonstrate how a business information system transforms data into information and how the information impacts a business decision, process or procedure.	
	SLO 2. The student will be able to produce documents and files with common computer applications (such as word processing, spreadsheets and database software) used in business and organizations.	
CIS 61A	INFORMATICS	
	SLO 1. Students will be able apply principles of the scientific method toward solving an informatics problem.	
	SLO 2. Students will be able to identify appropriate statistical tools for exploratory data analysis of a domain problem.	
CIS 61C	INFORMATICS TOOLS & METHODS	
	SLO 1. Student will be able to identify and collect a data set appropriate for organization and analysis.	
	SLO 2. Student will be able to apply an appropriate informatics tool and method for organization and analysis of an informatics data sheet.	
CIS 61X	INFORMATICS PROJECTS	No SLOs on file.
CIS 61Y	INFORMATICS PROJECTS	No SLOs on file.
CIS 61Z	INFORMATICS PROJECTS	No SLOs on file.
CIS 62A	DATA WAREHOUSING & WEB MINING	
	SLO 1. Plan the architecture for a data warehousing project	
	SLO 2. Use knowledge discovery techniques to determine an effective data mining algorithm for solving a business problem.	
CIS 63A	SYSTEMS ANALYSIS, DESIGN & HUMAN INTERFACE	
	SLO 1. Analyze and discuss the software development cycles	
	SLO 2. Using a team develop a computer system to replace a manual system	

SLO 3. Design a software solution for international usability

CIS 63A1	SYSTEMS ANALYSIS & DESIGN	
	SLO 1. Analyze and discuss the software development cycles	
	SLO 2. Using a team develop a computer system to replace a manual or semi automated system	
	SLO 3. 3Design a software solution for international usability	
CIS 63B	DESIGN & ANALYSIS FOR INFORMATICS RESEARCH	
	SLO 1. Students will be able to produce an appropriate design for an informatics research problem.	
	SLO 2. Students will be able to conduct a pilot study based upon the research design for an informatics problem.	
CIS 64A	COMPUTERIZED ACCOUNTING PRACTICE	No SLOs on file.
CIS 64B	COMPUTERIZED ACCOUNTING: SPREADSHEET	No SLOs on file.
CIS 68A	INTRODUCTION TO LINUX & UNIX	
	SLO 1. Students will be able to logon to a Unix or Linux operating system and use basic utilities.	
	SLO 2. Students will be able to evaluate, understand and execute fundamental commands and operations.	
CIS 68B	LINUX & UNIX SHELL PROGRAMMING	
	SLO 1. Students will be able to design, create, and execute shell scripts written using the bash shell programming language.	
	SLO 2. Students will be able to read, comprehend, and modify scripts written by others.	
CIS 68C1	LINUX & UNIX SYSTEM ADMINISTRATION	
	SLO 1. Students will be able to understand and explain the system boot process	
	SLO 2. Students will be able to setup and manage user accounts and groups	
CIS 68C2	LINUX & UNIX NETWORKING ADMINISTRATION	
	SLO 1. configure multiple network interfaces.	
	SLO 2. configure domains and domain name services.	
CIS 68C3	UNIX NAME SERVICE ADMINISTRATION	No SLOs on file.
CIS 68E	PROGRAMMING IN PERL	
	SLO 1. Interpret and translate computational word problems and related specifications into a congruent programmatic strategy.	
	SLO 2. Design and write Perl programs that implement a programmatic strategy.	
	SLO 3. Demonstrate core Perl language mastery by choosing and implementing concise control mechanisms and data structures.	
	SLO 4. Access and utilize standard language reference (perldocs) on Unix or Linux hosts, or the standard web based source (perldoc.perl.org).	
CIS 68H	BIOPERL PROGRAMMING FOR BIOINFORMATICS	No SLOs on file.
CIS 68K	INTRODUCTION TO PYTHON PROGRAMMING	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Solves a problem using necessary, efficient and extensible logic.	
CIS 68L	INTERMEDIATE PYTHON PROGRAMMING	
	SLO 1. Produce a program that meets a given set of guidelines.	
	SLO 2. Solves a problem using necessary, efficient and extensible logic.	
CIS 68M	INTERMEDIATE PERL PROGRAMMING	
	SLO 1. Produce a large Perl program with multiple programmers on the same project.	
	SLO 2. Formulate and implement, arbitrarily large and complex Perl data structures.	

- SLO 3. Formulate and implement object-oriented Perl modules (classes), and utilize related objects in a Perl program.
- SLO 4. Design and implement tests for unit and integration testing using standard Perl Test modules and/or harnesses.

CIS 78	SOFTWARE ENGINEERING	
	SLO 1. Communicate about technical subjects verbally, in writing, or through diagrams, illustrations, or outlines to others in the class.	
	SLO 2. Identify gaps in knowledge, formulate well-thought-out questions and seek resources that can provide the answers.	
CIS 96	SPECIAL PROJECTS	No SLOs on file.
CIS 96X	SPECIAL PROJECTS	No SLOs on file.
CIS 96Y	SPECIAL PROJECTS	No SLOs on file.
CIS 102	COMPUTER KEYBOARDING SKILLS	No SLOs on file.
CIS 111	LEARNING-COLLABORATIVE TRAINING	
	SLO 1. Students will be able to describe 3 strategies to help students acquire subject-specific content and skills.	
	SLO 2. Students will be able to demonstrate 3 strategies to help students acquire subject-specific content and skills.	

67 of 72 Course IDs for CIS in the Physical Sciences, Mathematics & Engineering Division have SLO's. 2009-2010

Course ID	Title	SLO's
CIS 1	INTRODUCTION TO COMPUTER SCIENCE	
	SLO 1. Students will be able to describe the basic components of a computer-based information system and their functions.	
	SLO 2. Students will be able to use a top down approach to design a solution to a problem using a computer application.	
CIS 2	COMPUTERS & SOCIETY	
	SLO 1. Students will be able to identify and evaluate positive and negative impacts of a computer technology, computer system, or computer application, etc. on society.	
	SLO 2. Students will be able to identify and evaluate a primary solution and an alternate solution to a societal problem caused by computers.	
CIS 12A	FUNDAMENTALS OF VISUAL BASIC.NET PROGRAMMING	
	SLO 1. Demonstrate the comprehension of project specifications by writing a programming solution that meets project specifications.	
	SLO 2. Create a programming solution that solves a problem using necessary, efficient and extensible logic.	
	SLO 3. Demonstrate a comprehensive understanding of language tools by synthesizing and integrating multiple constructs into a single project.	
CIS 12C	INTERMEDIATE VISUAL BASIC PROGRAMMING	
	SLO 1. Design a VB Solution that meets international usability criteria	
	SLO 2. Design a VB.Net solution that incorporates a database	
	SLO 3. Compare and Evaluate program flow options	
CIS 12D	ADVANCED VISUAL BASIC.NET FOR WINDOWS-BASED APPLICATIONS	
	SLO 1. Use Windows Common Controls to create a VB solution	
	SLO 2. Create a VB solution that incorporates a multiple document interface (MDI)	

SLO 3. Add a Help file system to a VB solution

CIS 12W	DEVELOPING WEB APPLICATIONS WITH VISUAL BASIC.NET	
	SLO 1. Create a Web Application solution	
	SLO 2. Critique the use of XML in a VB web based solution	
	SLO 3. Incorporate error handling in a web solution	
CIS 15A	COMPUTER SCIENCE I: C++	
	SLO 1. Produce a program that meets a given set of guidelines.	
	SLO 2. Demonstrates a comprehensive understanding of the language tools by synthesizing and integrating multiple language constructs in a single project.	
CIS 15B	COMPUTER SCIENCE II: C++	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 15C	COMPUTER SCIENCE III: DATA STRUCTURES & ALGORITHMS C++	
	SLO 1. Demonstrate the ability to implement abstract data structures in a real-world computer language.	
	SLO 2. Apply data structures and algorithms to different problems in effective, and efficient ways that result in a functioning program or program module.	
CIS 15D	DESIGNING WITH C++ CLASSES	No SLOs on file.
CIS 15P	C++ FOR PROGRAMMERS	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 18	DISCRETE MATHEMATICS	
	SLO 1. Refer to MTH 22 for SLOs; Course is Cross-Listed.	
	SLO 2. Refer to MTH 22 for SLOs; Course is Cross-Listed.	
CIS 19A	INTRODUCTION TO PROGRAMMING WITH C#	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 19K	USER INTERFACE DESIGN WITH EXPRESSIONS BLEND	
	SLO 1. Use Expression Blend to create attractive and functional user interfaces for Windows Presentation Foundation (WPF) applications.	
	SLO 2. Use Expression Blend to create attractive and functional user interfaces for Silverlight applications.	
	SLO 3. Use Expression Blend to add rich interactive application features such as audio, video and animations to WPF and Silverlight applications.	
CIS 19L	WINDOWS COMMUNICATION FOUNDATION (WCF) INTRODUCTION	No SLOs on file.
CIS 19P	ADVANCED PROGRAMMING WITH C#	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	

CIS 19W	DEVELOPING WEB APPLICATIONS	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 25A	PROGRAMMING IN C	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Demonstrates a comprehensive understanding of the language tools by synthesizing and integrating multiple language constructs in a single project.	
CIS 25B	ADVANCED PROGRAMMING IN C	
	SLO 1. Produce a program that meets a given set of guidelines.	
	SLO 2. Communicate about technical subjects verbally, in writing, or through diagrams, illustrations, or outlines to others in the class.	
CIS 27A	COMPUTER SCIENCE I: JAVA	
	SLO 1. Produce a program that meets a given set of guidelines.	
	SLO 2. Demonstrates a comprehensive understanding of the language tools by synthesizing and integrating multiple language constructs in a single project.	
CIS 27B	COMPUTER SCIENCE II: JAVA	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 27C	COMPUTER SCIENCE III: DATA STRUCTURES & ALGORITHMS IN JAVA	
	SLO 1. Demonstrate the ability to implement abstract data structures in a real-world computer language.	
	SLO 2. Apply data structures and algorithms to different problems in effective, and efficient ways that result in a functioning program or program module.	
CIS 27D	JAVA ADVANCED FEATURES	No SLOs on file.
CIS 27P	JAVA FOR PROGRAMMERS	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 30	SELECTED TOPICS IN PROGRAMMING TECHNOLOGY	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications	
	SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient software.	
CIS 50A	USING THE COMPUTER: PC (WINDOWS)	
	SLO 1. The student will work through and submit personal productivity software (MSOffice) lab assignments using word processing, spreadsheet, database manager, and graphics to practice using the computer.	
	SLO 2. The student will read text, practice online tutorials, and research documentation and the Web to troubleshoot hardware/software and evaluate whether a computer-based solution is appropriate for a given situation.	

- CIS 51A PREPARATION FOR TECHNOLOGY CAREERS
SLO 1. The student will be able to distinguish the technology-based careers in disciplines of interest to the student.
SLO 2. The student will be able to describe the traits and skills needed for success in a chosen IT related career(s).
- CIS 51C WORKPLACE PRINCIPLES & PRACTICES
SLO 1. The student will be able to describe procedures that will allow one to remain current and competent in an IT profession.
SLO 2. The student will be able to demonstrate procedures for how to collaborate in a global and diverse IT environment.
- CIS 52A INTRODUCTION TO DATA MANAGEMENT SYSTEMS
SLO 1. Apply database concepts to explain different database management systems.
SLO 2. Create and maintain a simple database system using a DBMS for hands-on experience.
- CIS 52B ORACLE SQL
SLO 1. Create, query and manipulate tables in a database using Oracle SQL.
SLO 2. Create and manage other schema objects using data definition language (DDL).
- CIS 52C DATABASE MODELING & RELATIONAL DATABASE DESIGN
SLO 1. Draw entity-relationship (ER) diagrams.
SLO 2. Apply the database development life cycle in creating a capstone database design project.
- CIS 52E ORACLE DATABASE ADMINISTRATION I
SLO 1. Explain the Oracle database architecture and how each component work and interact with each other.
SLO 2. Create an operational Oracle database and properly manage and maintain the various structures.
- CIS 52F ORACLE DATABASE ADMINISTRATION II
SLO 1. Backup and recover an Oracle database using various administration tools.
SLO 2. Configure the Oracle database for better performance.
- CIS 52J ORACLE: PROGRAM WITH PL/SQL
SLO 1. Create PL/SQL blocks of application code that can be shared by multiple forms, reports, and data management applications.
SLO 2. Develop, execute, and manage PL/SQL stored program units.
- CIS 52K ORACLE FORMS DEVELOPER: BUILD INTERNET APPLICATIONS
SLO 1. Build, test, debug, and deploy interactive Internet applications.
SLO 2. Develop an order entry application from the ground up working in a graphical user interface(GUI) environment.
- CIS 52N PHP & MYSQL
SLO 1. Write simple to intermediate programs using PHP.
SLO 2. Generate powerful, database-driven dynamic websites using PHP and MySQL.
- CIS 52P PHP PROGRAMMING
SLO 1. Write advanced programs using PHP.
SLO 2. Create a capstone database-driven dynamic website using PHP and MySQL.
- CIS 52Q MYSQL: IN-DEPTH
SLO 1. Create an operational MySQL database and properly manage and maintain the various structures.

	SLO 2. Perform database administration functions on the MySQL database.	
CIS 54C	MICROSOFT SQL SERVER DATABASE DEVELOPMENT & DESIGN SLO 1. Design a database strategy with all its associated components. SLO 2. Design queries and the database for optimal performance.	
CIS 54D	MICROSOFT SQL SERVER IMPLEMENTATION & MAINTENANCE SLO 1. Install and configure Microsoft SQL Server. SLO 2. Manage, maintain and monitor Microsoft SQL Server database.	
CIS 54E	MICROSOFT SQL SERVER DATABASE ADMINISTRATION SLO 1. Monitor and troubleshoot queries, databases, and servers. SLO 2. Optimize database server infrastructure using Microsoft SQL Server.	
CIS 55A	INTRODUCTION TO GAMES SLO 1. Design a game using necessary, efficient and extensible logic. SLO 2. Demonstrate the comprehension of the project specifications by designing a game that meets those specifications.	
CIS 55B	INTRODUCTION TO GAME DESIGN SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications. SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient game software.	
CIS 55C	PRACTICAL GAME DESIGN SLO 1. Demonstrate the comprehension of the project specifications by writing a game program that meets those specifications. SLO 2. Apply procedural and/or object-oriented programming skills in the development of high-quality, robust and efficient game software.	
CIS 60	INTRODUCTION TO BUSINESS INFORMATION SYSTEMS SLO 1. The student will be able to demonstrate how a business information system transforms data into information and how the information impacts a business decision, process or procedure. SLO 2. The student will be able to produce documents and files with common computer applications (such as word processing, spreadsheets and database software) used in business and organizations.	
CIS 61A	INFORMATICS SLO 1. Students will be able apply principles of the scientific method toward solving an informatics problem. SLO 2. Students will be able to identify appropriate statistical tools for exploratory data analysis of a domain problem.	
CIS 61C	INFORMATICS TOOLS & METHODS SLO 1. Student will be able to identify and collect a data set appropriate for organization and analysis. SLO 2. Student will be able to apply an appropriate informatics tool and method for organization and analysis of an informatics data sheet.	
CIS 61X	INFORMATICS PROJECTS	No SLOs on file.
CIS 61Y	INFORMATICS PROJECTS	No SLOs on file.
CIS 61Z	INFORMATICS PROJECTS	No SLOs on file.
CIS 62A	DATA WAREHOUSING & WEB MINING	

	SLO 1. Plan the architecture for a data warehousing project	
	SLO 2. Use knowledge discovery techniques to determine an effective data mining algorithm for solving a business problem.	
CIS 63A	SYSTEMS ANALYSIS, DESIGN & HUMAN INTERFACE	
	SLO 1. Analyze and discuss the software development cycles	
	SLO 2. Using a team develop a computer system to replace a manual system	
	SLO 3. Design a software solution for international usability	
CIS 63A1	SYSTEMS ANALYSIS & DESIGN	
	SLO 1. Analyze and discuss the software development cycles	
	SLO 2. Using a team develop a computer system to replace a manual or semi automated system	
	SLO 3. 3Design a software solution for international usability	
CIS 63B	DESIGN & ANALYSIS FOR INFORMATICS RESEARCH	
	SLO 1. Students will be able to produce an appropriate design for an informatics research problem.	
	SLO 2. Students will be able to conduct a pilot study based upon the research design for an informatics problem.	
CIS 64A	COMPUTERIZED ACCOUNTING PRACTICE	No SLOs on file.
CIS 64B	COMPUTERIZED ACCOUNTING: SPREADSHEET	No SLOs on file.
CIS 68A	INTRODUCTION TO LINUX & UNIX	
	SLO 1. Students will be able to logon to a Unix or Linux operating system and use basic utilities.	
	SLO 2. Students will be able to evaluate, understand and execute fundamental commands and operations.	
CIS 68B	LINUX & UNIX SHELL PROGRAMMING	
	SLO 1. Students will be able to design, create, and execute shell scripts written using the bash shell programming language.	
	SLO 2. Students will be able to read, comprehend, and modify scripts written by others.	
CIS 68C1	LINUX & UNIX SYSTEM ADMINISTRATION	
	SLO 1. Students will be able to understand and explain the system boot process	
	SLO 2. Students will be able to setup and manage user accounts and groups	
CIS 68C2	LINUX & UNIX NETWORKING ADMINISTRATION	
	SLO 1. configure multiple network interfaces.	
	SLO 2. configure domains and domain name services.	
CIS 68C3	UNIX NAME SERVICE ADMINISTRATION	No SLOs on file.
CIS 68E	PROGRAMMING IN PERL	
	SLO 1. Interpret and translate computational word problems and related specifications into a congruent programmatic strategy.	
	SLO 2. Design and write Perl programs that implement a programmatic strategy.	
	SLO 3. Demonstrate core Perl language mastery by choosing and implementing concise control mechanisms and data structures.	
	SLO 4. Access and utilize standard language reference (perldocs) on Unix or Linux hosts, or the standard web based source (perldoc.perl.org).	
CIS 68H	BIOPERL PROGRAMMING FOR BIOINFORMATICS	No SLOs on file.
CIS 68K	INTRODUCTION TO PYTHON PROGRAMMING	
	SLO 1. Demonstrate the comprehension of the project specifications by writing a program that meets those specifications.	
	SLO 2. Solves a problem using necessary, efficient and extensible logic.	

CIS 68L	INTERMEDIATE PYTHON PROGRAMMING	
	SLO 1. Produce a program that meets a given set of guidelines.	
	SLO 2. Solves a problem using necessary, efficient and extensible logic.	
CIS 68M	INTERMEDIATE PERL PROGRAMMING	
	SLO 1. Produce a large Perl program with multiple programmers on the same project.	
	SLO 2. Formulate and implement, arbitrarily large and complex Perl data structures.	
	SLO 3. Formulate and implement object-oriented Perl modules (classes), and utilize related objects in a Perl program.	
	SLO 4. Design and implement tests for unit and integration testing using standard Perl Test modules and/or harnesses.	
CIS 78	SOFTWARE ENGINEERING	
	SLO 1. Communicate about technical subjects verbally, in writing, or through diagrams, illustrations, or outlines to others in the class.	
	SLO 2. Identify gaps in knowledge, formulate well-thought-out questions and seek resources that can provide the answers.	
CIS 96	SPECIAL PROJECTS	No SLOs on file.
CIS 96X	SPECIAL PROJECTS	No SLOs on file.
CIS 96Y	SPECIAL PROJECTS	No SLOs on file.
CIS 102	COMPUTER KEYBOARDING SKILLS	No SLOs on file.
CIS 111	LEARNING-COLLABORATIVE TRAINING	
	SLO 1. Students will be able to describe 3 strategies to help students acquire subject-specific content and skills.	
	SLO 2. Students will be able to demonstrate 3 strategies to help students acquire subject-specific content and skills.	

50 of 55 Course IDs for *CNET* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
CNET 50	INTRODUCTION TO COMPUTER NETWORKING	
	SLO 1. The student will be able to identify and describe the various types of computer networks and their uses.	
	SLO 2. Students will be able to describe and identify the physical components and underlying communication processes of the various types of networks.	
CNET 52A	INTRODUCTION TO COMPUTERS & INFORMATION COMMUNICATIONS TECHNOLOGY	No SLOs on file.
CNET 53A	INTRODUCTION TO NETWORK MANGEMENT	No SLOs on file.
CNET 53B	OPERATING JUNIPER ROUTERS IN THE ENTERPRISE	No SLOs on file.
CNET 53C	ADVANCED JUNIPER NETWORKS ROUTING IN THE ENTERPRISE	No SLOs on file.
CNET 53F	INFORMATION STORAGE MANAGEMENT	
	SLO 1. The student will be able to describe Local Attached Storage, Storage Area Networks, and Network Attached Storage.	
	SLO 2. The student will bable to describe the features of ISCI and Fiber Channel protocols	
CNET 53M	DESIGNING CISCO INTERNETWORKING SOLUTIONS	
	SLO 1. The student will be able to describe the network composite design model	
	SLO 2. The student will be able to describe the role of routing protocols in network design.	
CNET 53N	FUNDAMENTALS OF ENTERPRISE NETWORK DESIGN	No SLOs on file.

- CNET 54A NETWORKING FUNDAMENTALS & THE TCP/IP PROTOCOL SUITE (CCNA I)
SLO 1. The student will understand the role of the OSI Model in Networking
SLO 2. The student will learn how to apply IP addressing
- CNET 54B ROUTING PROTOCOLS & CONCEPTS (CCNA II)
SLO 1. The student will learn how to configure RIP, EIRGP, and OSPF
SLO 2. The student will learn to troubleshoot routing problems
- CNET 54C LAN SWITCHING & WIRELESS NETWORKS (CCNA III)
SLO 1. The student will learn how to configure wireless networks
SLO 2. The student will learn how to configure VLANs
- CNET 54D WAN TECHNOLOGIES (CCNA IV)
SLO 1. The student will learn how to configure Frame Relay networks
SLO 2. The students will learn how to design, configure, and test access control lists.
- CNET 54E CCNA SECURITY
SLO 1. The student will be able create and test traffic filters using access lists.
SLO 2. The student will be able to describe the role of Public Key Infrastructure in network security
- CNET 54G BUILDING SCALABLE CISCO INTERNETWORKS (CCNP I)
SLO 1. The student will learn how to configure BGP
SLO 2. The student will learn how to configure route summarization and redistribution
- CNET 54H IMPLEMENTING SECURE CONVERGED WANS (ISCW)
SLO 1. The student will learn how to configure simple MPLS networks
SLO 2. The student will learn how to "harden" an IOS based router.
- CNET 54I BUILDING CISCO MULTILAYER SWITCHED NETWORKS (BCMSN) (CCNP III)
SLO 1. The student will learn how to configure STP
SLO 2. The student will learn how to configure HSRP
- CNET 54J OPTIMIZING CONVERGED CISCO NETWORKS (ONT) (CCNP IV)
SLO 1. The student will learn how to configure Layer 2 QoS
SLO 2. The student will learn how to configure Layer 3 QoS
- CNET 54L NETWORK SECURITY I FIREWALLS, ACCESS, CONTROL & IDENTITY MANAGEMENT
SLO 1. The student will learn how to prevent DHCP attacks
SLO 2. The student will learn how to configure simple PIX Firewall perimeter security
- CNET 54M CISCO NETWORK SECURITY II - VIRTUAL PRIVATE NETWORKS, INTRUSION DETECTION SYSTEMS & INTRUSION PREVENTION SYSTEMS
SLO 1. The student will learn to configure Cisco IPS systems
SLO 2. The student will learn how to configure Cisco Point-to-point VPNs
- CNET 54N FUNDAMENTALS OF CISCO WIRELESS LANS
SLO 1. The student will learn how to configure Cisco access points
SLO 2. The student will learn how to configure roaming
- CNET 54Q INTRODUCTION TO VOICE OVER IP (VOIP) TECHNOLOGIES

- SLO 1. The student will learn how voice is converted to IP packets
SLO 2. The student will learn to configure Call Manager Express
- CNET 56A INTRODUCTION TO NETWORK SECURITY
SLO 1. The student will learn how to write a security policy
SLO 2. The student will learn how to establish a secure LAN
- CNET 56B INTRUSION DETECTION, AWARENESS, ANALYSIS & PREVENTION
SLO 1. The student will learn how to configure an IPS
SLO 2. The student will learn how to perform a security needs analysis
- CNET 56C NETWORK SECURITY PENETRATION TESTING & ETHICAL HACKING
SLO 1. The student will learn how to perform basic penetration testing
SLO 2. The student will learn basic penetration testing tools
- CNET 56E WINDOWS XP/2000/2003 SYSTEM SECURITY
SLO 1. The student to learning how perform a baseline security analyses in a Windows system
SLO 2. The student will learn how to determine unnecessary operating system services in Windows
- CNET 56F LINUX & UNIX SYSTEM SECURITY
SLO 1. The student to learning how perform a baseline security analysis in a Linux system
SLO 2. The student will learn how to determine unnecessary operating system services in Linux
- CNET 56G THE CERTIFIED INFORMATION SYSTEMS PROFESSIONAL
SLO 1. The student will learn the 10 Knowledge domains covered by the CISSP certification
SLO 2. The student will learn to perform a physical security analysis
- CNET 56J FUNDAMENTALS OF COMPUTER FORENSICS No SLOs on file.
CNET 60F MICROSOFT WINDOWS 2003 EXCHANGE SERVER
SLO 1. Students will be able to install, configure, and manage Microsoft Windows 2003 mail Exchange Server.
SLO 2. Students will be able to integrate Exchange Server into a Active Directory infrastructure.
- CNET 60J WINDOWS SCRIPTING FOR SYSTEM ADMINISTRATORS
SLO 1. Utilize Windows Scripting Host and VBScript to create scripts for system administration using Windows Management Instrumentation (WMI).
SLO 2. Utilize Windows Scripting Host and VBScript to create scripts for managing Active Directory via Active Directory Services Interface (ADSI).
SLO 3. Utilize Windows Scripting Host and VBScript to create scripts for administration of other Windows subsystems.
- CNET 60K POWERSHELL SCRIPTING
SLO 1. Create Powershell scripts for processing text, files and XML.
SLO 2. Create Powershell scripts for managing Active Directory.
SLO 3. Create Powershell scripts for Windows system administration.
- CNET 65A WIRELESS NETWORK ADMINISTRATION
SLO 1. Students will be able to install and manage a wireless network.
SLO 2. Students will understand and comprehend the various wireless standards, governing bodies, and the radio frequency spectrum.
- CNET 65B WIRELESS NETWORK SECURITY

- SLO 1.** Students will be able to detect intrusion within a wireless network and to provide a security template to prevent future intrusions.
- SLO 2.** Students will be able to implement a variety of hardware and software security solutions.

CNET 65C WIRELESS NETWORK ANALYSIS

- SLO 1.** Students will be able to design and deploy a wireless network.
- SLO 2.** Students will understand system architecture, measurement devices, and performance variables.

CNET 75A MICROSOFT WINDOWS VISTA

- SLO 1.** Students will be able to install and configure the Vista operating system.
- SLO 2.** Students will be able to integrate Vista into a Windows domain and use a variety of networking services.

CNET 75B WINDOWS SERVER 2008 NETWORK INFRASTRUCTURE

- SLO 1.** Students will be able to install and configure all basic networking services.
- SLO 2.** Students will comprehend the integration and relationships between the various networking services in a Windows Server 2008 environment.

CNET 75C WINDOWS SERVER 2008 ACTIVE DIRECTORY

- SLO 1.** Students will be able to install, configure, and manage a Windows 2008 Active Directory service.
- SLO 2.** Students will learn to create and manage user, group, and computer accounts in an Active Directory environment.

CNET 75D WINDOWS SERVER 2008 APPLICATION PLATFORMS

- SLO 1.** Students will learn to install and configure Windows 2008 application platforms including Web, Terminal, and FTP services .
- SLO 2.** Students will be able to integrate and manage application platforms into a Windows 2008 network environment.

CNET 75E WINDOWS SERVER 2008 SERVER ADMINISTRATOR

- SLO 1.** Students will be able to administer and deploy the operations of a subset of servers in a Windows 2008 network environment.
- SLO 2.** Students can describe best practices for the maintenance and management of a subset of servers in a Windows 2008 network environment.

CNET 75F WINDOWS SERVER 2008 ENTERPRISE ADMINISTRATION

- SLO 1.** Students will learn to plan and design a Windows 2008 Enterprise network.
- SLO 2.** Students can describe the best design practices for both the physical and logical infrastructure of an Enterprise network.

CNET 75G WINDOWS VISTA CLIENT ENTERPRISE SUPPORT TECHNICIANS

- SLO 1.** Students will be able to deploy and troubleshoot Windows Vista clients in a Windows 2008 Enterprise network.
- SLO 2.** Students will be able to maintain, upgrade, and support hardware, application, and user requirements in a Windows 2008 Enterprise network.

CNET 75I MICROSOFT WINDOWS 2007 EXCHANGE SERVER

No SLOs on file.

CNET 80A SELECTED TOPICS IN NETWORK TECHNOLOGY

- SLO 1.** The student will learn an advanced topic in network technology
- SLO 2.** The student will learn how to approach learning a new area of networking

CNET 80B SELECTED TOPICS IN NETWORK TECHNOLOGY

- SLO 1.** The student will learn an advanced topic in network technology

SLO 2. The student will learn how to approach learning a new area of networking

CNET 80C SELECTED TOPICS IN NETWORK TECHNOLOGY No SLOs on file.
 CNET 95A CABLE INSTALLATION & TERMINATION

SLO 1. The student will learn copper cables termination practices
SLO 2. The student will learn how to design a LAN cabling system

CNET 95G NETWORK TESTING & TROUBLESHOOTING No SLOs on file.
 CNET 97A A PRACTICUM IN ENTERPRISE SECURITY No SLOs on file.
 CNET 99 CNET PROJECT No SLOs on file.
 CNET 112 LEARN TO BUILD YOUR OWN PC

SLO 1. Identify the major modules comprising a PC.
SLO 2. Identify the most commonly-used PC peripheral devices.

CNET 113 HOME TECHNOLOGY INTEGRATOR & COMPTIA/CEDIA
 INSTALLER I No SLOs on file.

CNET 116A INTRODUCTION TO PC ELECTRONICS & THE COMMAND LINE
 (A+ PREP)
SLO 1. Use the key electrical and electronic terms and jargon of computers.
SLO 2. Construct simple electronic breadboard circuits in the lab and make measurements using
 a Digital Multimeter (DMM).

CNET 116B WINDOWS INSTALLATION, UPGRADING & TROUBLESHOOTING
 (A+ PREP)

SLO 1. Examine each major module inside a PC.
SLO 2. Describe the basic operations of each peripheral device.

CNET 118 OTI: WORK SKILLS IN A TECHNICAL SUPPORT ROLE No SLOs on file.
 CNET 119 BUSINESS SKILLS FOR SERVICE/SUPPORT & PROJECT
 MANAGEMENT

SLO 1. Communicating Using Parallel Structures
SLO 2. Application of the Services Revolution to the Participant's Career

15 of 18 Course IDs for CNSL in the Counseling and Student Services Division have SLO's. **2009-2010**

Course ID	Title	SLO's
CNSL 1	COLLEGE SUCCESS	
	SLO 1. Develop short and long term goals	
	SLO 2. Apply organizational and time management strategies	
	SLO 3. Identify and use campus resources to improve college success	
CNSL 2	COLLEGE & LIFE MANAGEMENT	
	SLO 1. Identify the elements of non-verbal communication	
	SLO 2. Define cognitive restructuring using Alber Ellis' Rational Thinking	
	SLO 3. Describe Maslow's Hierarchy of Needs	
CNSL 50	INTRODUCTION TO COLLEGE	
	SLO 1. Identify Foothill graduation requirements	
	SLO 2. Locate and use transfer resources on campus	
	SLO 3. Develop and education plan	

CNSL 51	PASS THE TORCH TRAINING: LEARNING STRATEGIES FOR STUDENTS PAIRED IN ONE-ON-ONE STUDY TEAMS	
	SLO 1. Students will implement and assess effective strategies for understanding/remembering text information.	
	SLO 2. Develop and achieve an effective, efficient personal system of study.	
	SLO 3. Students will develop effective time management and concentration strategies.	
CNSL 53	EFFECTIVE STUDY	
	SLO 1. Identify time-management strategies	
	SLO 2. Identify study skill techniques	
CNSL 72	STRESS, WELLNESS & COPING	
	SLO 1. Apply at least three coping skills from the class, be able to identify personal stressors, and describe the effects in his or her life.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Demonstrate a reduction in stress symptoms (amount, frequency, or intensity).	
	ILO 2. 4. Community/global consciousness and responsibility	
CNSL 85H	TRANSFER READINESS	
	SLO 1. Identify the systems of higher education	
	SLO 2. Identify transfer guidelines for public and private college/university.	
	SLO 3. Apply and use transfer programs	
CNSL 86	INTRODUCTION TO LEADERSHIP	
	SLO 1. Provide leadership with an understanding of group dynamics including conflict resolution and group decision making processes.	
	SLO 2. Communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community.	
	SLO 3. Demonstrate an awareness of one's community, and the role and responsibility that he or she plays within the community.	
CNSL 86LX	LEADERSHIP LABORATORY	No SLOs on file.
CNSL 86LY	LEADERSHIP LABORATORY	
	SLO 1. Communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community	
	SLO 2. Provide leadership with an understanding of group dynamics including conflict resolution and group decision making processes.	
	SLO 3. Demonstrate an awareness of one's community, and the role and responsibility that he or she plays within the community	
CNSL 86LZ	LEADERSHIP LABORATORY	
	SLO 1. Communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community	
	SLO 2. Provide leadership with an understanding of group dynamics including conflict resolution and group decision making processes.	
	SLO 3. Demonstrate an awareness of one's community, and the role and responsibility that he or she plays within the community	
CNSL 86X	LEADERSHIP: THEORIES, STYLES, & REALITIES	No SLOs on file.
CNSL 86Y	LEADERSHIP: THEORIES, STYLES, & REALITIES	No SLOs on file.
CNSL 87	LEADERSHIP: THEORIES & PRACTICES	
	SLO 1. Provide leadership with an understanding of group dynamics including conflict resolution and group decision-making processes.	

SLO 2. Communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community

- CNSL 88 LEADERSHIP: THEORIES, STYLES & REALITIES
 - SLO 1.** Demonstrate an awareness of one's community, and the role and responsibility that he or she plays within the community
 - SLO 2.** Provide leadership with an expanded understanding of group dynamics including conflict resolution, group decision-making, and civic responsibility.

- CNSL 89 ADVANCED LEADERSHIP: THEORIES, STYLES & REALITIES
 - SLO 1.** Develop and manage annual organizational budgets and events.
 - SLO 2.** Expanded understanding of how to communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community.

- CNSL 90 INTRODUCTION TO ONLINE LEARNING
 - SLO 1.** Apply time management skills
 - SLO 2.** Interact with class members online
 - SLO 3.** Critically evaluate the components of online instruction
 - SLO 4.** Critically evaluate and discuss online group learning strategies
 - ILO 4. 2.** Creative, critical and analytical thinking

- CNSL 175 EOPS: THE ROAD TO COLLEGE SUCCESS - MORE THAN JUST BOOKS
 - SLO 1.** Identify basic tenets for the EOPS/CARE Programs, participation, requirements and student responsibilities.
 - SLO 2.** Examine and identify personal and academic goals.
 - SLO 3.** Describe personal cultural identity and experiences and identify potential hurdles to academic success.

27 of 21 Course IDs for *COIN* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
COIN 51	INTERNET TECHNOLOGY & APPLICATIONS: INTRODUCTION	<ul style="list-style-type: none"> SLO 1. The student will use appropriate online searching tools and resources to find answers to hardware, software, and current Internet issues when working from remote locations. SLO 2. The student will use HTML tagging to create a simple 2-page project that includes text, picture, and formatting elements.
COIN 56	E-BUSINESS	<ul style="list-style-type: none"> SLO 1. The student will prepare and submit a business plan project which follows a template/model to document their own business structure, operations, funding, marketing, and legal issues. SLO 2. The student will conduct research about the e-business environment in which they want to operate their own business by going beyond the textbook to current periodicals and Web research and will write up weekly summaries about the latest e-business trends.
COIN 58	ELECTRONIC COMMERCE PROJECTS	<ul style="list-style-type: none"> SLO 1. Develop a technical strategy for implementing a transactive website including database interactivity, e-commerce, portal membership, and/or secure access to data/functionality.

- SLO 2.** Deploy an e-commerce website, including a searchable catalog, shopping cart, and integrated payment function, and optionally linked to a fulfillment process.
- SLO 3.** Develop an integrated business, marketing and sales, and operations plan for an existing or proposed web presence.

- COIN 61** PUBLISHING ON THE WEB USING HTML/XHTML
- SLO 1.** Demonstrate knowledge of HTML/XHTML including all major tag types and attributes and current developmental standards to produce a well-formed, valid document.
- ILO 1.** 3. Computation
- SLO 2.** Understand the concepts of local and remote development through the use of FTP.
- ILO 2.** 3. Computation
- COIN 63** ADVANCED TOPICS IN WEB PUBLISHING
- SLO 1.** Demonstrate knowledge of advanced web technologies which may include Cascading Style Sheets, CGI, JavaScript, dynamic HTML, XML, multimedia and other relevant technologies and current developmental standards to produce a well-formed, valid document.
- SLO 2.** Understand the concepts of local and remote development through the use of FTP.
- COIN 65** USING CASCADING STYLE SHEETS FOR DESIGN
- SLO 1.** Demonstrate knowledge of CSS from basic to advanced site development needs including understanding of syntax (including font and text properties), positioning (including box models), two and three column layouts, fluid layouts and navigation to design well-formed, valid documents for use in a standards-compliant web site.
- SLO 2.** Understand the principal of separating content from presentation.
- COIN 66** APACHE WEB SERVER MANAGEMENT
- SLO 1.** Students will install, administer, and trouble-shoot an Apache Web server.
- SLO 2.** Students will know the main function of proxy servers.
- COIN 67** RUBY ON RAILS - WEB APPLICATION DEVELOPMENT
- SLO 1.** Create database-driven web applications using the Ruby language and the Rails framework.
- SLO 2.** Create a capstone database-driven web application using the Ruby language and the Rails framework.
- COIN 70A** INTRODUCTION TO PROGRAMMING USING JAVASCRIPT
- SLO 1.** Know the syntax and usage of basic programming concepts using the JavaScript language and the document object model (DOM).
- SLO 2.** Demonstrate the basic JavaScript programming concepts to create interactive web pages/sites which meet a given set of guidelines.
- COIN 70B** USING JAVASCRIPT
- SLO 1.** Understand the DOM (Document Object Model) hierarchy
Know basic JavaScript programming concepts, its grammar, syntax, and elements
Know how JavaScript works with the DOM elements and understand how to use their properties and methods
Understand how JavaScript works and interacts within an HTML document
- SLO 2.** Demonstrate the ability to write JavaScript code as specified by assigned assignments
Demonstrate the ability to take existing JavaScript code and modify the code to meet particular guidelines/objectives
- COIN 71** APPLICATION SOFTWARE DEVELOPMENT WITH AJAX
- SLO 1.** The student will use JavaScript to program an asynchronous client-side request to the server and a response handler.

SLO 2. The student will create elements of a web page using JavaScript and the Document Object Model.

COIN 72 WEB MARKETING

SLO 1. The student will prepare and submit an e-marketing plan project which follows a template/model to document their own e-business Web strategy on how to increase traffic/sales and by which marketing channels.

SLO 2. The student will gather information/statistics on their Website traffic by preparing and submitting a Web log analysis for a period of time (i.e., monthly) which follows a template/model to document their own Web strategies in e-marketing and can make use of Web analytics software.

COIN 74A WEB PUBLISHING TOOLS: DREAMWEAVER BASICS

SLO 1. Learn function and navigation of the entire workspace of Dreamweaver for creating XHTML, PHP, JavaScript, how to create and manage DW site definitions, and manage local and remote file systems.

SLO 2. Build local pages in XHTML, use the Properties Inspector (PI) to set styles, format with images, tables, links, and utilize DW templates, CSS, snippets, libraries, and other DW enhancements, including built in Spry behaviors. Evidence through individual assignments, projects and specific homework artifacts.

SLO 3. Prepare a complete website using DW with a common theme and consistent navigation, using all DW features and tools (templates, CSS, frames, Spry, Flash objects and video, etc). Assessment by peer and faculty evaluation using a published rubric of required and optional elements.

COIN 78 EXTENSIBLE MARKUP LANGUAGE (XML)

SLO 1. Develop a well formed XML document representing a content model using various data structures, following the XML 1.0 specification, and utilizing a validating DTD and XSD schema for document structure and dataTypes.

SLO 2. Troubleshoot and repair XML documents that are either not well formed and/or valid against a known DTD or schema. Ability to learn, edit, and utilize other / current XMLs, including RSS, XML sitemaps, and Web services.

COIN 78B INTERNET PROGRAMMING WITH XML

No SLOs on file.

COIN 78C XML FOR INFORMATICS

SLO 1. develop comprehensive data models and structures in current metadata formats including XTM, RSS, RDF, and Web ontologies (OWL). Assessment using presentation of data files.

SLO 2. Apply Semantic Web tools and process to aggregation and analysis of Web metadata, and application of results to a current technical, social, or business problem. Assessment through portfolio / project based learning.

COIN 78D USER INTERFACE DESIGN WITH EXPRESSION BLEND

SLO 1. Use Expression Blend to create user interfaces for Windows Presentation Foundation (WPF) applications.

SLO 2. Use Expression Blend to create user interfaces for Silverlight applications.

SLO 3. Use Expression Blend to add rich interactive application features such as audio, video and animations to WPF and Silverlight applications.

COIN 80 SELECTED TOPICS IN INTERNET TECHNOLOGY

No SLOs on file.

COIN 81 INTRODUCTION TO BIOINFORMATICS TOOLS & DATABASES

SLO 1. Navigate and explore the key bioinformatics portals and websites, including NCBI, UniProt, EMBL, DDBJ, and utilize the GenBank data model and retrieve sequences.

SLO 2. Use BINF website tools, including BLAST, VecScreen, protein modeling, and sequence alignment tools to visualize sequences, structures, and perform homology (dendrograms) analyses.

SLO 3. Become comfortable and facile exploring NCBI for emerging data – visualizing and other web data SNPS, HAPs, gene expression, and CNV. Apply these skills to an area of medical, scientific, or personal interest.

COIN 82 IMAGES FOR THE WEB

SLO 1. Identify the various data compression methods and evaluate when to use each.

SLO 2. Demonstrate ability to resize images for the web.

COIN 83 SOCIAL COMPUTING IN A GLOBAL CONTEXT

No SLOs on file.

16 of 24 Course IDs for **COMM** in the Fine Arts and Communication Division 2009-2010 have SLO's.

Course ID	Title	SLO's
COMM 1A	PUBLIC SPEAKING	<p>SLO 1. Organizes strategies for oral communication</p> <p>ILO 1. 1. Communication</p> <p>SLO 2. Evaluates oral presentations</p> <p>ILO 2. 1. Communication</p>
COMM 1AH	HONORS PUBLIC SPEAKING	<p>SLO 1. Demonstrates increase in presentation confidence</p> <p>ILO 1. 1. Communication</p> <p>SLO 2. Organizes and delivers an effective speech</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking</p>
COMM 1B	ARGUMENTATION & PERSUASION	<p>SLO 1. Distinguishes fallacious argument from empirical truth</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p> <p>SLO 2. Identifies evidence from credible sources in support of research analysis</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking</p>
COMM 1BH	HONORS ARGUMENTATION & PERSUASION	<p>SLO 1. Distinguishes fallacious argument from empirical truth</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p> <p>SLO 2. Identifies evidence from credible sources in support of research analysis</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking</p>
COMM 2	INTERPERSONAL COMMUNICATION	<p>SLO 1. Identifies patterns in interpersonal relationships.</p> <p>SLO 2. Utilizes appropriate communication patterns in interpersonal communication situations.</p>
COMM 3	FUNDAMENTALS OF ORAL COMMUNICATION	<p>SLO 1. Examines verbal and nonverbal communication</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p> <p>SLO 2. Analyzes forms of communication in various contexts</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p>
COMM 4	GROUP DISCUSSION	<p>SLO 1. Identifies components of effective small group interaction.</p>

	ILO 1. 1. Communication	
	SLO 2. Demonstrates effective methods of interacting with groups.	
	ILO 2. 1. Communication	
COMM 10	GENDER, COMMUNICATION & CULTURE	
	SLO 1. Practices critical thinking and examines the lived human experience.	
	ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility	
	SLO 2. Improves communication skills within and between gender groups.	
	ILO 2. 1. Communication 4. Community/global consciousness and responsibility	
COMM 12	INTERCULTURAL COMMUNICATION	
	SLO 1. Practices critical thinking and examines the lived human experience.	
	ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility	
	SLO 2. Improves communication skills within and between cultural groups.	
	ILO 2. 1. Communication 4. Community/global consciousness and responsibility	
COMM 34H	HONORS INSTITUTE SEMINAR IN COMMUNICATION STUDIES	No SLOs on file.
COMM 35	DEPARTMENT HONORS PROJECTS IN COMMUNICATION STUDIES	No SLOs on file.
COMM 35X	DEPARTMENT HONORS PROJECTS IN COMMUNICATION STUDIES	No SLOs on file.
COMM 35Y	DEPARTMENT HONORS PROJECTS IN COMMUNICATION STUDIES	No SLOs on file.
COMM 35Z	DEPARTMENT HONORS PROJECTS IN COMMUNICATION STUDIES	No SLOs on file.
COMM 36	SPECIAL PROJECTS IN COMMUNICATION STUDIES	No SLOs on file.
COMM 36X	SPECIAL PROJECTS IN COMMUNICATION STUDIES	No SLOs on file.
COMM 36Y	SPECIAL PROJECTS IN COMMUNICATION STUDIES	No SLOs on file.
COMM 36Z	SPECIAL PROJECTS IN SPEECH	No SLOs on file.
COMM 54	INTERCOLLEGIATE SPEECH/DEBATE	
	SLO 1. Prepares an individual speech appropriate for the intercollegiate circuit	
	ILO 1. 1. Communication 2. Creative, critical and analytical thinking	
	SLO 2. Evaluates and critiques an individual speech or debate	
	ILO 2. 1. Communication 2. Creative, critical and analytical thinking	
COMM 55	CAREER & LEADERSHIP COMMUNICATION IN THE GLOBAL WORKPLACE	
	SLO 1. Identifies patterns in professional communication	
	SLO 2. Utilizes appropriate communication patterns in professional communication situations	
COMM 190	DIRECTED STUDY	
	SLO 1. Expands knowledge of communication topic of study	
	SLO 2. Increases ability to apply communication topic of study in academic, professional, or personal situations.	
COMM 190X	DIRECTED STUDY	
	SLO 1. Expands knowledge of communication topic of study.	
	SLO 2. Increases ability to apply communication topic of study in academic, professional, or personal situations	
COMM 190Y	DIRECTED STUDY	
	SLO 1. Expands knowledge of communication topic of study.	
	SLO 2. Increases ability to apply communication topic of study in academic, professional, or personal situations.	

COMM 190Z DIRECTED STUDY
 SLO 1. Expands knowledge of communication topic of study
 SLO 2. Increases ability to apply communication topic of study in academic, professional, or personal situations.

5 of 5 Course IDs for *CRLP* in the Counseling and Student Services Division 2009-2010 have SLO's.

Course ID	Title	SLO's
CRLP 55	LIFELONG LEARNING STRATEGIES	SLO 1. Analyze and apply new techniques for academic and career success. SLO 2. Analyze and describe areas of academic weakness. SLO 3. Prepare and use an individual time management program to improve academic/work/life balance.
CRLP 70	SELF-ASSESSMENT	SLO 1. Demonstrate the use of assessment tools to guide career choice SLO 2. Identify career-related resources SLO 3. Develop a career action plan
CRLP 71	EXPLORING CAREER FIELDS	SLO 1. Assess areas of career interest using several career assessment instruments SLO 2. Assess areas of career aptitude using several career aptitude instruments SLO 3. Understand the elements of a career action plan for a selected career to include academic experiences, work experiences, career and life goals and a timetable to career goal achievement. SLO 4. Using self-study take advantage of online career resources such as Eureka and Career Builder ILO 4. 2. Creative, critical and analytical thinking
CRLP 73	EFFECTIVE RESUME WRITING	SLO 1. Create a flawless solicited and unsolicited cover letter for a desired position description using posted guidelines. SLO 2. Create a flawless targeted resume using guidelines established in the class. SLO 3. Create a written job search plan.
CRLP 74	SUCCESSFUL INTERVIEWING TECHNIQUES	SLO 1. Ability to perform research on jobs, job market trends, companies, etc. using libraries and librarians SLO 2. Prepare for the job interview using a checklist SLO 3. Prepare to answer a myriad of interview questions include "tough" questions.

10 of 8 Course IDs for *CRWR* in the Language Arts Division have SLO's. 2009-2010

Course ID	Title	SLO's
CRWR 6	INTRODUCTION TO CREATIVE WRITING	SLO 1. Use the elements of the craft with proficiency in both poetry and fiction. SLO 2. Identify the elements of the craft in masterworks in both poetry and fiction.
CRWR 34H	HONORS INSTITUTE SEMINAR IN CREATIVE WRITING	No SLOs on file.

- CRWR 36C SCREENPLAY WRITING No SLOs on file.
 CRWR 39A INTRODUCTION TO SHORT FICTION WRITING
 SLO 1. Use the elements of the craft with proficiency in short fiction.
 SLO 2. Identify the elements of the craft in masterworks in short fiction.
- CRWR 39B ADVANCED SHORT FICTION WRITING
 SLO 1. Use the elements of the craft with greater proficiency in short fiction.
 SLO 2. Identify the elements of the craft in masterworks in short fiction with a higher degree of competence.
- CRWR 40 INTRODUCTION TO WRITING THE NOVEL
 SLO 1. Use the elements of the craft with proficiency in novel writing.
 SLO 2. Identify the elements of the craft in masterworks in novel writing.
- CRWR 41A POETRY WRITING
 SLO 1. Use the elements of the craft with proficiency in poetry.
 SLO 2. Identify the elements of the craft in masterworks in poetry.
- CRWR 41B ADVANCED POETRY WRITING
 SLO 1. Use the elements of the craft with greater proficiency in poetry.
 SLO 2. Identify the elements of the craft in masterworks in poetry with a higher degree of competence.

28 of 19 Course IDs for *CWE* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
CWE 55	OCCUPATIONAL WORK EXPERIENCE	<p>SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation</p> <p>SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace ILO 3. 1. Communication 3. Computation 4. Community/global consciousness and responsibility</p> <p>SLO 4. Utilize appropriate information technology in their workplace ILO 4. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility</p>
CWE 55A	OCCUPATIONAL WORK EXPERIENCE	<p>SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace</p> <p>SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace</p> <p>SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace</p> <p>SLO 4. Utilize appropriate information technology in their workplace</p>
CWE 55B	OCCUPATIONAL WORK EXPERIENCE	<p>SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace</p> <p>SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace</p>

- SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
- SLO 4. Utilize appropriate information technology in their workplace

CWE 55C OCCUPATIONAL WORK EXPERIENCE

- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
- SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
- SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
- SLO 4. Utilize appropriate information technology in their workplace

CWE 55D OCCUPATIONAL WORK EXPERIENCE

- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
- SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
- SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
- SLO 4. Utilize appropriate information technology in their workplace

CWE 55E OCCUPATIONAL WORK EXPERIENCE

- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
- SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
- SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
- SLO 4. Utilize appropriate information technology in their workplace

CWE 56 OCCUPATIONAL WORK EXPERIENCE: COMMUNITY SERVICE

- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
- ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
- ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility
- SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
- ILO 3. 1. Communication 2. Creative, critical and analytical thinking 3. Computation
- SLO 4. Utilize appropriate information technology in their workplace
- ILO 4. 1. Communication 2. Creative, critical and analytical thinking 3. Computation

CWE 65A OCCUPATIONAL WORK EXPERIENCE: APPRENTICE-SHEET METAL No SLOs on file.

CWE 65B OCCUPATIONAL WORK EXPERIENCE: APPRENTICE-SOUND & COMMUNICATIONS No SLOs on file.

CWE 65C OCCUPATIONAL WORK EXPERIENCE: APPRENTICE-PLUMBING No SLOs on file.

CWE 65D OCCUPATIONAL WORK EXPERIENCE: APPRENTICE-ELECTRICAL No SLOs on file.

CWE 75 GENERAL WORK EXPERIENCE

- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
- SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
- SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
- SLO 4. Utilize appropriate information technology in their workplace

- CWE 75A GENERAL WORK EXPERIENCE
- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
 - SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
 - SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
 - SLO 4. Utilize appropriate information technology in their workplace
- CWE 75B GENERAL WORK EXPERIENCE
- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
 - SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
 - SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
 - SLO 4. Utilize appropriate information technology in their workplace
- CWE 75C GENERAL WORK EXPERIENCE
- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
 - SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
 - SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
 - SLO 4. Utilize appropriate information technology in their workplace
- CWE 76 GENERAL WORK EXPERIENCE-COMMUNITY SERVICE
- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
 - SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
 - SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
 - SLO 4. Utilize appropriate information technology in their workplace
- CWE 76C GENERAL WORK EXPERIENCE: COMMUNITY SERVICE
- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
 - SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
 - SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
 - SLO 4. Utilize appropriate information technology in their workplace
- CWE 76D GENERAL WORK EXPERIENCE: COMMUNITY SERVICE
- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
 - SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
 - SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
 - SLO 4. Utilize appropriate information technology in their workplace
- CWE 76E GENERAL WORK EXPERIENCE: COMMUNITY SERVICE
- SLO 1. Assess and resolve an existing human relation challenge(s) or issue(s) at the workplace
 - SLO 2. Develop a learning objective that improves the student's performance using current tasks at their workplace
 - SLO 3. Assess personal business skills and demonstrate how these skills can enhance skills at their workplace
 - SLO 4. Utilize appropriate information technology in their workplace

25 of 21 Course IDs for *D A* in the Biological and Health Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
D A 50	ORIENTATION TO DENTAL ASSISTING	<p>SLO 1. The student will demonstrate accurate documentation in a patient's treatment record utilizing proper dental terminology and nomenclature.</p> <p>SLO 2. The dental assisting student will identify the allowable duties of the dental assistant in the State of California under direct supervision & general supervision.</p>
D A 51A	INTRODUCTION TO CHAIRSIDE DENTAL ASSISTING	<p>SLO 1. The student must identify dental instruments utilized in a general practice dental office on a final instrument examination given at the end of the quarter.</p> <p>SLO 2. The student must be able to manipulate and/or mix (3 out of 4) dental materials on a final skill test given at the end of the quarter.</p>
D A 51B	INTERMEDIATE CLINICAL DENTAL ASSISTING	<p>SLO 1. The student will be able to identify and describe the use for dental instruments utilized in a orthodontic specialty practice on a final instrument examination given at the end of the quarter.</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p> <p>SLO 2. The student will be able to identify common orthodontic fixed and removable appliances</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p>
D A 51C	ADVANCED DENTAL ASSISTING SKILLS	<p>SLO 1. The student will successfully remove stain and soft deposits from the majority of the tooth surfaces utilizing a selective coronal polishing technique.</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. The student must participate in a mock state board practical examination and perform a blind peer evaluation of the final product.</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p>
D A 53A	INTRODUCTION TO RADIOGRAPHY I	<p>SLO 1. Demonstrate correct maxillary and mandibular anterior intraoral film placement techniques on a mannequin.</p> <p>SLO 2. Using a diagram, the student will be able to identify four basic components in the x-ray tubehead.</p>
D A 53B	DENTAL RADIOGRAPHY II	<p>SLO 1. On a full mouth survey of radiographs, the student will be able to identify one radiolucent and one radiopaque anatomical feature in each arch.</p> <p>SLO 2. The student will be able to recognize a cone cut error for premolar and molar bitewing radiograph.</p>
D A 53C	DENTAL RADIOGRAPHY III	<p>SLO 1. The student will be able to produce a diagnostic panoramic radiograph.</p> <p>SLO 2. The student will be able to recognize four normal anatomical landmarks on the panoramic radiograph</p>
		<p>SLO 1. The student will be able to produce a diagnostic panoramic radiograph.</p>

SLO 2. The student will be able to recognize four normal anatomical landmarks on the panoramic radiograph

SLO 1. The student will be able to produce a diagnostic panoramic radiograph.

SLO 2. The student will be able to recognize four normal anatomical landmarks on the panoramic radiograph

D A 56 DENTAL HEALTH EDUCATION

SLO 1. The student will evaluate the oral hygiene status of a patient and choose an appropriate course of action and assist the patient in achieving optimal oral hygiene. A case study scenario must be evaluated by the student and select the appropriate course of action.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking

SLO 2. The student will be able to evaluate new oral hygiene techniques and products using credible resources and evidence based dentistry. A supplemental aid product will be researched, presented and demonstrated with 75% accuracy.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking

D A 57 OFFICE EMERGENCY PROCEDURES

SLO 1. By the end of the quarter the student will be able to respond to common medical emergencies that occur in dental offices.

SLO 2. The student will be able to list and identify equipment and medications commonly found in the dental emergency kit.

D A 58 SPECIALITY PRACTICE PROCEDURES

SLO 1. The student will evaluate the role of the dental assistant in the nine recognized dental specialties.

SLO 2. The dental assisting student will identify the allowable duties of the dental assistant in the State of California under direct supervision & general supervision.

D A 60A DENTAL OFFICE BUSINESS PRACTICES I

SLO 1. Students will role play front office scenarios.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 2. The student must determine which patient information records will require HIPAA compliance.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking

D A 60B DENTAL OFFICE BUSINESS PRACTICES II

SLO 1. The student must construct computerized dental records utilizing a dental software program with an accuracy of 75% or better.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation

SLO 2. The student will compose a professional resume and cover letter with no spelling or grammatical errors on the final draft.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking

D A 62A DENTAL SCIENCES I

SLO 1. The student must be able to correctly identify permanent and primary teeth using the Palmer and Universal Numbering systems.

SLO 2. The student when given a unidentified tooth must be able to assess the tooth characteristics, determine which tooth it is in the dentition, and justify his/her reasoning in writing.

D A 62B DENTAL SCIENCES II

SLO 1. The student must be able to identify tooth abnormalities caused by an interruption in the tooth development process.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation

SLO 2. The student will assess and identify a patient's caries risk and propose a plan to either arrest the patient's caries process or reduce further risk of decay.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

D A 62C DENTAL SCIENCES III

SLO 1. The student will be able to interpret a written prescription.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation

SLO 2. The student will record a personal nutritional analysis and propose changes for optimal nutritional needs.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

D A 63 SPECIAL PATIENT POPULATIONS

SLO 1. The student will demonstrate the appropriate method in which to escort a visually impaired patient.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 2. The student will modify verbal and nonverbal communication skills for a hearing impaired patient.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

D A 71 INFECTION CONTROL & HAZARDOUS WASTE MANAGEMENT

SLO 1. The student will be able to select the appropriate personal protective equipment (PPE) for different dental procedures depending on the amount of exposure to potentially infectious blood and body fluids.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 2. The student will be able to select the appropriate sterilization equipment depending on the type of instrument(s) and the dental office conditions.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

D A 73 DENTAL ASSISTING SUPERVISED CLINIC

SLO 1. By the end of Winter quarter the student will have assisted at chairside at the UCSF School of Dentistry at least 70 hours.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. The student will be able to correctly document in the treatment plan.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

D A 74 DENTAL ASSISTING CLINICAL PRACTICE

SLO 1. By the end of Winter quarter the student will have assisted at chairside at a private general or specialty dental practice at least 80 hours.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. The student will create a final portfolio which demonstrates their competency in the three dental assisting competencies.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

D A 85 RDA REVIEW

SLO 1. The student must participate in a mock state board practical examination and perform a blind peer evaluation of the final product.

SLO 2. The student must participate in a mock state board written examination and pass with a 75% or better.

D A 88

PIT & FISSURE SEALANTS

SLO 1. The student will be able to differentiate between sound and carious enamel utilizing computerized caries detection equipment.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. The student will place a clinically acceptable dental sealant on a patient.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

43 of 42 Course IDs for *D H* in the Biological and Health Sciences Division have SLO's.

2009-2010

Course ID	Title	SLO's
D H 50	ORIENTATION TO DENTAL HYGIENE	<p>SLO 1. The student will correctly demonstrate instrumentation skills on a dental typodont using an 11/12 explorer, including: modified pen grasp, fulcrums, adaptation, insertion and activation of the instrument.</p> <p>SLO 2. The student will identify a variety of explorer types, the proper use of each type, and the correct adaptation and use of explorers.</p>
D H 52A	ORAL BIOLOGY I	<p>SLO 1. chart the bones of the skull</p> <p>SLO 2. identify the different teeth in the human dentition</p>
D H 52B	ORAL BIOLOGY II	<p>SLO 1. state the different periods of human embryology</p> <p>SLO 2. describe the differences between enamel and dentin</p>
D H 53	ASSESSMENT PROCEDURES IN THE DENTAL HYGIENE PROCESS	<p>SLO 1. The student will create their e-portfolio and submit a project on infection control as documentation of their competency in infection control procedures.</p> <p>SLO 2. The student will explain the ethical obligations to maintain the standards of dental care adhering to infection control protocols that are consistent with current federal, state, and local laws and guidelines.</p>
D H 54	PRE-CLINICAL DENTAL HYGIENE	<p>SLO 1. The student will correctly demonstrate dental hygiene assessment procedure skills on a student partner including: review of health, dental history vital signs, extraoral/ intraoral examination, periodontal examination, caries examination, classify occlusion.</p> <p>SLO 2. The student will identify a variety of dental hygiene assessment instruments, the proper use of each type, and the correct adaptation and use of explorers and periodontal probes.</p>
D H 55A	FUNDAMENTALS OF PATHOLOGY I	<p>SLO 1. Describe the diseases of metabolism</p> <p>SLO 2. Describe the blood disorders</p>
D H 55B	FUNDAMENTALS OF PATHOLOGY II	<p>SLO 1. Describe oral lesions using appropriate terminology</p> <p>SLO 2. Describe the differential diagnoses of oral lesions</p>

- D H 56 APPLIED PHARMACOLOGY IN DENTISTRY
SLO 1. By the end of spring quarter, the dental hygiene student will be able to demonstrate a working knowledge of the implications for dental hygiene care for a commonly prescribed drug.
SLO 2. By the end of spring quarter, the dental hygiene student will be able to research and report on the indications for the use of a commonly prescribed drug.
- D H 57A PERIODONTICS
SLO 1. Describe the clinical and histologic features of the periodontium
SLO 2. Describe the characteristics of periodontal health
- D H 57B PERIODONTICS
SLO 1. Describe the classifications of gingivitis
SLO 2. Describe the classifications of periodontitis
- D H 57C PERIODONTICS
SLO 1. The student will choose an appropriate patient and complete a patient competency project, including the clinical requirements and a research paper documenting the competency and evidence-based decision making, on the periodontally involved patient with a grade of 75% or higher.
SLO 2. The student will describe the rationale for various types of periodontal surgery including goals, advantages, and disadvantages.
- D H 59 SURVEY OF DENTISTRY
SLO 1. The student will evaluate the role of the dental hygienist in the nine recognized dental specialties.
SLO 2. The dental hygiene student will identify the allowable duties of the dental hygienist in the State of California under direct supervision & general supervision.
- D H 60A INTRODUCTION TO DENTAL RADIOGRAPHY I
SLO 1. List the steps that take place in the tubehead to produce radiation.
SLO 2. Describe radiation protective factors provided to the patient to reduce radiation absorption.
- D H 60B DENTAL RADIOGRAPHY II
SLO 1. Demonstrate proper film placement techniques on a mannequin for intraoral films.
SLO 2. List the name and functions of the processing solutions.
- D H 60C DENTAL RADIOGRAPHY III
SLO 1. Correctly mount a full mouth survey of dental radiographs.
SLO 2. Recognize periodontal bone loss on a dental radiograph.
- D H 60D DENTAL RADIOGRAPHY IV
SLO 1. List the advantages of using the buccal object rule in dentistry.
SLO 2. Produce a diagnostic panoramic radiograph.
- D H 60E DENTAL RADIOGRAPHY V
SLO 1. Identify calculus on a full mouth set of radiographs.
SLO 2. Evaluate the need to retake a dental radiograph.
- D H 61A CLINICAL TECHNIQUE
SLO 1. The student will demonstrate proper use of the universal curet, gracey curets, and sickle scalers including: proper grasp, angulation, and adaptation to the tooth and/or root surface.
ILO 1. 2. Creative, critical and analytical thinking

SLO 2. The student will explain the rationale for selecting and implementing dental hygiene procedures using evidence based research for the following: application of fluorides, coronal polishing of teeth, instrumentation techniques and sharpening techniques.

ILO 2.1. Communication

- D H 61B** INTRODUCTION TO CLINIC
- SLO 1.** The student will choose an appropriate patient to complete a patient competency project, including the clinical requirements and a research paper documenting the competency and evidence based decision making, with a score of 75% or higher.
- SLO 2.** The student will choose an appropriate patient for periodontal probing evaluation and complete the evaluation with a score of 75% or higher.
- D H 62A** CLINICAL DENTAL HYGIENE I
- SLO 1.** The student will choose an appropriate patient and complete a patient competency project, including the clinical requirements and a research paper documenting the competency and evidence-based decision making, on the child or adolescent with a grade of 75% or higher.
- SLO 2.** The student will select an appropriate quadrant and complete a periodontal probing evaluation with a grade of 75% or higher.
- D H 62B** CLINICAL DENTAL HYGIENE II
- SLO 1.** The student will choose an appropriate patient and complete a patient competency project, including the clinical requirements and a research paper documenting the competency and evidence-based decision making, on the geriatric medically complex with a grade of 75% or higher.
- SLO 2.** The student will choose an appropriate patient for a mock board clinical examination and provide appropriate dental hygiene care with a grade of 75% or higher.
- D H 62C** CLINICAL DENTAL HYGIENE III
- SLO 1.** The student will choose an appropriate patient for a mock board clinical examination and provide appropriate dental hygiene care with a grade of 75% or higher.
- SLO 2.** The student will select appropriate quadrants and complete periodontal probing evaluations with a grade of 85% or higher.
- D H 62D** CLINICAL DENTAL HYGIENE IV
- SLO 1.** The student will choose an appropriate patient for a mock board clinical examination and provide appropriate dental hygiene care with a grade of 75% or higher.
- SLO 2.** The student will select appropriate quadrants and complete periodontal probing evaluations with a grade of 90% or higher.
- D H 63C** COMMUNITY DENTAL HEALTH I
- SLO 1.** By the end of fall quarter, the dental hygiene student will be able to differentiate between measures of central tendency.
- SLO 2.** By the end of fall quarter, the dental hygiene student will be able to identify dental health disparities.
- D H 63D** COMMUNITY DENTAL HEALTH II
- SLO 1.** By the end of winter quarter, the dental hygiene student will be able to develop a community dental health program goal.
- SLO 2.** By the end of winter quarter, the dental hygiene student will be able to identify the components of a community dental health program objective.
- D H 64** ETHICS, LAW & DENTAL OFFICE PRACTICES
- SLO 1.** Given a legal/ethical dilemma the student will apply the Six-Step Decision Making Model and analyze the evidence, legal facts, ethical principles involved and details of the dilemma to reach an appropriate decision.

SLO 2. As a capstone project for graduation from the dental hygiene program the student the student will create a final e-portfolio which demonstrates their competency in the four dental hygiene competencies: Dental Hygiene Process of Care, Health Education Strategies, Infection & Hazard Controls, Legal & Ethical Principles.

D H 65 CLINICAL LOCAL ANESTHESIA

SLO 1. Describe the classes of anesthetic drugs used in dental hygiene

SLO 2. Describe the different nerves anesthetized in dental hygiene

D H 66 SOFT TISSUE CURETTAGE

SLO 1. The student will perform soft tissue curettage on a dental typodont following procedural guidelines.

SLO 2. The student will identify the objectives, rationale, indications and contraindications for soft tissue curettage.

D H 67 NITROUS OXIDE/OXYGEN ANALGESIA

SLO 1. Describe the various techniques to achieve sedation in dental hygiene

SLO 2. Describe the parts of a fail-safe nitrous oxide/oxygen machine

D H 68A RADIOGRAPHIC INTERPRETATION

SLO 1. Recognize the radiographic anatomical features of the teeth and periodontium.

SLO 2. Using a diagnostic bitewing radiograph, the student will be able to interpret the presence or absence of caries.

D H 71 OFFICE EMERGENCY PROCEDURES

SLO 1. identify the medications in an emergency drug kit

SLO 2. describe the signs and symptoms of common medical emergencies

D H 72 DENTAL MATERIALS

SLO 1. The student will evaluate a patient's dental and restorative conditions and chart significant findings with an accuracy of 75% or better on the final evaluation.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking

SLO 2. The student will assess and identify a patient's caries risk and propose a plan for to either arrest the patient's caries process or reduce further risk of decay.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation

D H 73 DENTAL HEALTH EDUCATION

SLO 1. The student will research and submit an e-portfolio project on an oral health product as documentation of their competency in patient education and dental products.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. The student will complete a patient assessment project on a peer, including the required clinical assessments and a research paper documenting their competency and evidence based decision making in assessment procedures, with a score of 75% or higher.

ILO 2. 2. Creative, critical and analytical thinking

D H 75A CLINICAL DENTAL HYGIENE THEORY I

SLO 1. The student will demonstrate the proper technique for utilizing ultrasonic instrumentation for periodontal debridement and calculus removal.

SLO 2. The student will identify the principles of ultrasonic instrumentation including pretreatment considerations, indications and contraindications.

D H 75B CLINICAL DENTAL HYGIENE THEORY II

SLO 1. The student will be able to select appropriate advanced instruments for periodontal debridement when given patient assessment information.

SLO 2. The student will be able to assess anatomical features of dental anatomy and apply advanced techniques for effective root surface debridement.

D H 75C	CLINICAL DENTAL HYGIENE THEORY III	
	SLO 1. The student will be able to state the criteria for selecting an appropriate patient for the dental hygiene California State Board Examination.	
	SLO 2. The student will assess patients according to criteria for dental hygiene licensure as established by the California State Board of Dental Examiners.	
D H 86	CALIFORNIA STATE BOARD PREPARATION	
	SLO 1. The student will apply skills developed in clinic to select a primary patient for the licensure examination following the criteria as established by the California State Board of Dental Examiners by.	
	SLO 2. The student will accurately record and maintain data in the patient chart and dental records according to clinic protocol.	
D H 200L	INTRODUCTION TO DENTAL HYGIENE	
	SLO 1. The student will correctly demonstrate the intra-oral exam procedure of inspection and palpation of the oral cavity including: digital, bidigital, manual and bimanual palpation techniques using gauze and a mouth mirror.	
	SLO 2. 2. Students can research a dental hygiene product and present it to the class.	
D H 290	DIRECTED STUDY	No SLOs on file.
D H 290X	DIRECTED STUDY	No SLOs on file.
D H 290Y	DIRECTED STUDY	No SLOs on file.
D H 290Z	DIRECTED STUDY	No SLOs on file.

14 of 25 Course IDs for *DANC* in the Physical Education Division have SLO's. 2009-2010

Course ID	Title	SLO's
DANC 1A	FUNDAMENTALS OF BALLET I	
	SLO 1. Perform the fundamental exercises of elementary Ballet Technique, demonstrating correct body placement and positions while exhibiting flexibility, coordination and core strength.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Identify ballet steps and combinations with correct terminology and analyze musical accompaniment and phrasing.	
	ILO 2. 2. Creative, critical and analytical thinking	
DANC 1AS	FUNDAMENTALS OF BALLET I	
	SLO 1. Perform the fundamental exercises of elementary Ballet Technique, demonstrating correct body placement and positions while exhibiting flexibility, coordination and core strength.	
	SLO 2. Identify ballet steps and combinations with correct terminology and analyze musical accompaniment and phrasing.	
DANC 1AT	FUNDAMENTALS OF BALLET I	No SLOs on file.
DANC 1B	FUNDAMENTALS OF BALLET II	
	SLO 1. Perform the intermediate and advanced exercises of classical Ballet Technique, demonstrating correct body placement and positions while exhibiting flexibility, coordination and core strength.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Identify intermediate and advanced ballet steps and combinations with correct terminology and analyze musical accompaniment and phrasing.	
	ILO 2. 2. Creative, critical and analytical thinking	
DANC 1BS	FUNDAMENTALS OF BALLET II	No SLOs on file.
DANC 1BT	FUNDAMENTALS OF BALLET II	No SLOs on file.

DANC 2	BEGINNING MODERN DANCE	
	SLO 1. Create modern dance sequences and express individuality through dance, demonstrating correct body placement and positions while exhibiting flexibility, coordination and core strength.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Identify modern dance steps and movement phrases with correct terminology and analyze rhythmic patterns.	
	ILO 2. 2. Creative, critical and analytical thinking	
DANC 2S	BEGINNING MODERN DANCE	No SLOs on file.
DANC 2T	BEGINNING MODERN DANCE	No SLOs on file.
DANC 3A	BEGINNING JAZZ DANCE	
	SLO 1. Create jazz dance sequences and express individuality through dance, demonstrating correct body placement and positions while exhibiting flexibility, coordination and core strength.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Identify jazz steps and movement phrases with correct terminology and analyze rhythmic patterns	
	ILO 2. 2. Creative, critical and analytical thinking	
DANC 3AS	BEGINNING JAZZ DANCE	No SLOs on file.
DANC 3AT	BEGINNING JAZZ DANCE	No SLOs on file.
DANC 3B	INTERMEDIATE JAZZ DANCE	
	SLO 1. Create intermediate jazz dance sequences and express individuality through dance, demonstrating correct body placement and positions while exhibiting flexibility, coordination and core strength.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Identify intermediate jazz steps and movement phrases with correct terminology and analyze rhythmic patterns	
	ILO 2. 2. Creative, critical and analytical thinking	
DANC 3BS	INTERMEDIATE JAZZ DANCE	No SLOs on file.
DANC 3BT	INTERMEDIATE JAZZ DANCE	No SLOs on file.
DANC 4	BALLROOM & SOCIAL DANCE	
	SLO 1. Perform the basic steps of a variety of partnership dances demonstrating correct body placement and frame while exhibiting the traditional etiquette and conduct for ballroom and social dance.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Identify ballroom steps and combinations with correct terminology and analyze musical styles and genres appropriate for each dance.	
	ILO 2. 2. Creative, critical and analytical thinking	
DANC 5	WORLD DANCE	
	SLO 1. Create movement sequences from different cultures and express individuality through dance, demonstrating correct body placement and positions, while exhibiting flexibility, coordination and core strength.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Identify steps and movement phrases from different world cultures with correct terminology and analyze rhythmic patterns.	
	ILO 2. 2. Creative, critical and analytical thinking	
DANC 5S	WORLD DANCE	No SLOs on file.
DANC 5T	WORLD DANCE	No SLOs on file.
DANC 6	BEGINNING COUNTRY-WESTERN LINE DANCING	
	SLO 1. Create Country-Western movement sequences and express individuality through dance, demonstrating correct body placement and positions, while exhibiting flexibility, coordination and core strength.	

- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Identify Country-Western movement phrases with correct terminology and analyze rhythmic patterns.
- ILO 2. 2. Creative, critical and analytical thinking

DANC 7 CHOREOGRAPHY

- SLO 1. Create movement sequences and express individuality through dance while exhibiting correct body placement and positions, flexibility, coordination and core strength.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Demonstrate an understanding of the craft and aesthetic qualities of dance and the theory of creating dance.
- ILO 2. 2. Creative, critical and analytical thinking

DANC 8 DANCE PRODUCTION: REHEARSAL & PERFORMANCE

- SLO 1. Students will have explored fundamental dance technique and skills necessary for public performance.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Students will have practical experience in the production aspects of dance.
- ILO 2. 2. Creative, critical and analytical thinking

DANC 9 MOVEMENT FOR ACTORS

- SLO 1. Develop necessary movement skills to be proficient in an area of theatre.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Create movement sequences to physicalize a scene into action.
- ILO 2. 2. Creative, critical and analytical thinking

DANC 10 TOPICS IN DANCE HISTORY

- SLO 1. Describe the influences of a historical period in dance of that era.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Describe the impact of a particular dance professional in the historical period in which they worked.

DANC 11 FOOTHILL REPERTORY DANCE COMPANY

- SLO 1. Students will have explored fundamental dance technique and skills necessary for public performance of dance.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Students will have practical experience in the production aspects of dance.
- ILO 2. 2. Creative, critical and analytical thinking

33 of 33 Course IDs for *DMS* in the Biological and Health Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
DMS 50A	DIAGNOSTIC MEDICAL SONOGRAPHY PRINCIPLES & PROTOCOLS	<ul style="list-style-type: none"> SLO 1. Recognize normal and abnormal anatomical structures. SLO 2. Apply fundamental skills in the technique and diagnostic interpretation.
DMS 50B	SONOGRAPHY & PATIENT CARE	<ul style="list-style-type: none"> SLO 1. Apply patient confidentiality/privacy as defined by HIPAA. SLO 2. Demonstrate ethical & professional demeanor as outlined in the SDMS Code of Conduct.
DMS 51A	SECTIONAL ANATOMY	

SLO 1. Define and use reference points, planes, and terminology related to medical imaging.

SLO 2. Identify the anatomy of the body cavity and head in multiple anatomical planes.

DMS 52A

PHYSICAL PRINCIPLES OF DIAGNOSTIC MEDICAL
SONOGRAPHY I

SLO 1. Calculate/solve mathematical equations related to ultrasound physics.

SLO 2. Describe propagation of sound waves characteristics.

DMS 52B

PHYSICAL PRINCIPLES OF DIAGNOSTIC MEDICAL
SONOGRAPHY II

SLO 1. Identify the various types of transducers and describe the differences.

SLO 2. Identify the components of the image display.

DMS 52C

PHYSICAL PRINCIPLES OF DIAGNOSTIC MEDICAL
SONOGRAPHY III

SLO 1. Identify quality control procedures utilized in diagnostic ultrasound systems.

SLO 2. Explain the principles of harmonic imaging and volume scanning.

DMS 53A

DIAGNOSTIC MEDICAL SONOGRAPHY I

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. Describe related pathology, lab tests, and clinical symptoms.

DMS 53B

DIAGNOSTIC MEDICAL SONOGRAPHY II

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. Describe related pathology, lab tests, and clinical symptoms.

DMS 53C

DIAGNOSTIC MEDICAL SONOGRAPHY III

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. Describe related pathology, lab tests, and clinical symptoms.

DMS 54A

GYNECOLOGY

SLO 1. Describe normal size and pathology of the female reproductive system.

SLO 2. Describe normal size and pathology of the female reproductive system.

DMS 54B

GYNECOLOGY & OBSTETRICS

SLO 1. Identify and describe reproductive anatomy and physiology.

SLO 2. Describe normal size and pathology of the female reproductive system.

SLO 3. Describe embryology, normal and abnormalities in the first trimester

DMS 55A

OBSTETRICS I

SLO 1. Recite and apply the AIUM standards to obstetrical sonography.

SLO 2. Identify normal fetal anatomy and methods of fetal dating.

DMS 55B

OBSTETRICS II

SLO 1. Recognize clinical and sonographic signs of the abnormal pregnancy.

SLO 2. Describe the sonographic findings of the fetus affected by maternal complications.

DMS 56A

VASCULAR SONOGRAPHY

SLO 1. Identify and illustrate vascular anatomy.

SLO 2. List pathological conditions altering vascular flow.

SLO 3. Analyze doppler spectral waveforms of normal versus abnormal flow.

DMS 56B

ADVANCED APPLICATIONS OF VASCULAR TECHNOLOGY

SLO 1. Describe imaging and non-imaging techniques for arterial, venous, and cerebrovascular studies.

SLO 2. Interpret doppler information as it relates to normal and abnormal flow states.

DMS 60A CRITIQUE & PATHOLOGY I

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. List the differential diagnosis that is responsible for sonographic changes.

DMS 60B CRITIQUE & PATHOLOGY II

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. List the differential diagnosis that is responsible for sonographic changes.

DMS 60C CRITIQUE & PATHOLOGY III

SLO 1. List the differential diagnosis that is responsible for sonographic changes.

SLO 2. Recognize normal and abnormal anatomical structures.

DMS 60D CRITIQUE & PATHOLOGY IV

SLO 1. List the differential diagnosis that is responsible for sonographic changes.

SLO 2. Recognize normal and abnormal anatomical structures.

DMS 60E CRITIQUE & PATHOLOGY V

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. List the differential diagnosis that is responsible for sonographic changes.

DMS 60F CRITIQUE & PATHOLOGY VI

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. List the differential diagnosis that is responsible for sonographic changes.

DMS 70A CLINICAL PRECEPTORSHIP I

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. List the differential diagnosis for each disease process as related to the exam.

SLO 3. Perform ultrasound exams according to the Scope of Practice for sonographer's identified by the SDMS and according to recognized examination protocols.

DMS 70B CLINICAL PRECEPTORSHIP II

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. Obtain pertinent studies, reports, lab values as they relate to the examination.

SLO 3. Perform ultrasound exams according to the Scope of Practice for sonographer's identified by the SDMS and according to recognized examination protocols

DMS 70C CLINICAL PRECEPTORSHIP III

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. Obtain pertinent studies, reports, lab values as they relate to the examination.

SLO 3. Perform ultrasound exams according to the Scope of Practice for sonographer's identified by the SDMS and according to recognized examination protocols.

DMS 70D CLINICAL PRECEPTORSHIP IV

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. Obtain pertinent studies, reports, lab values as they relate to the examination.

SLO 3. Perform ultrasound exams according to the Scope of Practice for sonographer's identified by the SDMS and according to recognized examination protocols.

DMS 70E CLINICAL PRECEPTORSHIP V

SLO 1. Recognize normal and abnormal anatomical structures.

SLO 2. Obtain pertinent studies, reports, lab values as they relate to the examination.

SLO 3. Perform ultrasound exams according to the Scope of Practice for sonographer's identified by the SDMS and according to recognized examination protocols.

DMS 72A	DIAGNOSTIC MEDICAL SONOGRAPHY PROCEDURES & APPLICATIONS	
	SLO 1. Produce diagnostic sonographic images, optimizing technical factors.	
	SLO 2. Acquire and analyze data obtained using ultrasound and related diagnostic technologies.	
DMS 72E	DIAGNOSTIC MEDICAL SONOGRAPHY PROCEDURES & APPLICATIONS	
	SLO 1. Acquire and analyze data obtained using ultrasound and related diagnostic technologies.	
	SLO 2. Produce diagnostic sonographic images, optimizing technical factors.	
DMS 80A	ADVANCED SONOGRAPHIC PRINCIPLES	
	SLO 1. Employ interpretative and analytical skills with an emphasis on advanced techniques.	
	SLO 2. Prepare to pass the ARDMS board exams.	
DMS 290	DIRECTED STUDY	No SLOs on file.
DMS 290X	DIRECTED STUDY	No SLOs on file.
DMS 290Y	DIRECTED STUDY	No SLOs on file.
DMS 290Z	DIRECTED STUDY	No SLOs on file.

4 of 11 Course IDs for *ECON* in the Business and Social Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
ECON 1A	PRINCIPLES OF MACROECONOMICS	
	SLO 1. Employ the supply and demand model to predict market responses to shocks.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Illustrate and explain unintended consequences resulting from government interference in well-functioning markets.	
	ILO 2. 2. Creative, critical and analytical thinking	
	SLO 3. Illustrate and critically assess the aggregate economy using a macroeconomic model or models.	
	ILO 3. 2. Creative, critical and analytical thinking	
	SLO 4. Analyze and critically assess the effectiveness of fiscal and monetary policy and their relationship to inflation, unemployment, and the overall business cycle.	
	ILO 4. 2. Creative, critical and analytical thinking	
ECON 1B	PRINCIPLES OF MICROECONOMICS	
	SLO 1. Employ the supply and demand model to predict market responses to shocks.	
	SLO 2. Illustrate and explain unintended consequences resulting from government interference in well-functioning markets.	
	SLO 3. Analyze different market structures from both a short-run and long-run perspective.	
	SLO 4. Effectively employ marginal cost-benefit analysis to arrive at an efficient outcome.	
ECON 9	POLITICAL ECONOMY	
	SLO 1. Critically analyze contending theoretical formulations of the International Political Economy.	
	SLO 2. Critically analyze contending theoretical formulations on Development and Underdevelopment.	
ECON 18	CONTEMPORARY ECONOMIC ISSUES	No SLOs on file.
ECON 25	INTRODUCTION TO THE GLOBAL ECONOMY	
	SLO 1. Employ economic models to illustrate the benefits of free trade.	

- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Assess the relative merits of protectionist arguments.
- ILO 2. 4. Community/global consciousness and responsibility
- SLO 3. Analyze shocks to the foreign exchange market using a supply and demand diagram.
- ILO 3. 2. Creative, critical and analytical thinking

ECON 34H	HONORS INSTITUTE SEMINAR IN ECONOMICS	No SLOs on file.
ECON 35	DEPARTMENT HONORS PROJECTS IN ECONOMICS	No SLOs on file.
ECON 36	SPECIAL PROJECTS IN ECONOMICS	No SLOs on file.
ECON 36X	SPECIAL PROJECTS IN ECONOMICS	No SLOs on file.
ECON 36Y	SPECIAL PROJECTS IN ECONOMICS	No SLOs on file.
ECON 36Z	SPECIAL PROJECTS IN ECONOMICS	No SLOs on file.

0 of 5 Course IDs for *EDUC* in the Business and Social Sciences Division have SLO's. 2009-2010

3 of 3 Course IDs for *EMT* in the Biological and Health Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
EMT 303	EMERGENCY MEDICAL TECHNICIAN: BASIC CONTINUING EDUCATION	<ul style="list-style-type: none"> SLO 1. Demonstrate the knowledge of updated policies, regulations, and other related topics in the EMT field required for certification SLO 2. Demonstrate skills required to receive re-certification in Health Provider CPR
EMT 304	EMERGENCY MEDICAL TECHNICIAN: BASIC PART A	<ul style="list-style-type: none"> SLO 1. Lift, move, position and otherwise handle the patient to minimize discomfort and prevent further injury. SLO 2. Perform safely and effectively the expectations of the job description.
EMT 305	EMERGENCY MEDICAL TECHNICIAN: BASIC PART B	<ul style="list-style-type: none"> SLO 1. Recognize the nature and seriousness of the patient's condition or extent of injuries to assess requirements for emergency medical care. SLO 2. Administer appropriate emergency medical care based on assessment findings of the patient's condition.

25 of 15 Course IDs for *EMTP* in the Biological and Health Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
EMTP 60A	MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: COGNITIVE & AFFECTIVE IA	<ul style="list-style-type: none"> SLO 1. At the completion of this unit, the paramedic student will understand his or her roles and responsibilities within an EMS system, and how these roles and responsibilities differ from other levels of providers. ILO 1. 2. Creative, critical and analytical thinking SLO 2. At the end of this unit, the paramedic student will be able to integrate the principles of history taking and techniques of physical exam to perform a patient assessment.

ILO 2. 2. Creative, critical and analytical thinking

EMTP 60B

MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: COGNITIVE, PSYCHOMOTOR & AFFECTIVE IB

SLO 1. A. At the completion of this unit, the paramedic student will understand and value the importance of personal wellness in EMS and serve as a healthy role model for peers.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. At the end of this unit, the paramedic student will be able to integrate the principles of history taking and techniques of physical exam to perform a patient assessment.

ILO 2. 1. Communication

EMTP 61A

MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: COGNITIVE & AFFECTIVE IIA

SLO 1. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with respiratory problems.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a neurological problem.

ILO 2. 2. Creative, critical and analytical thinking

EMTP 61B

MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: COGNITIVE, AFFECTIVE & PSYCHOMOTOR IIB

SLO 1. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with respiratory problems.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a neurological problem.

ILO 2. 2. Creative, critical and analytical thinking

EMTP 62A

MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: COGNITIVE & AFFECTIVE IIIA

SLO 1. UNIT TERMINAL OBJECTIVE

A. At the completion of this unit, the paramedic will understand standards and guidelines that help ensure safe and effective ground and air medical transport.

COGNITIVE OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

A. Identify current local and state standards which influence ambulance design, equipment requirements and staffing of ambulances. (C-1)

B. Discuss the importance of completing an ambulance equipment/ supply checklist. (C-1)

C. Discuss the factors to be considered when determining ambulance stationing within a community. (C- 1)

D. Describe the advantages and disadvantages of air medical transport. (C-1)

E. Identify the conditions/ situations in which air medical transport should be considered. (C-1)

AFFECTIVE OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

A. Assess personal practices relative to ambulance operations which may affect the safety of the crew, the patient and bystanders. (A-3)

B. Serve as a role model for others relative to the operation of ambulances. (A-3)

C. Value the need to serve as the patient advocate to ensure appropriate patient transportation via ground or air. (A-2)

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. MEDICAL INCIDENT COMMAND SYSTEM**UNIT TERMINAL OBJECTIVE**

A. At the completion of this unit, the paramedic student will be able to integrate the principles of general incident management and multiple casualty incident (MCI) management techniques in order to function effectively at major incidents.

COGNITIVE OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

- A. Explain the need for the incident management system (IMS)/ incident command system (ICS) in managing emergency medical services incidents. (C-1)
- B. Define the term multiple casualty incident (MCI). (C-1)
- C. Define the term disaster management. (C-1)
- D. Describe essential elements of scene size-up when arriving at a potential MCI. (C-1)
- E. Describe the role of the paramedics and EMS systems in planning for MCIs and disasters. (C-1)
- F. Define the following types of incidents and how they affect medical management: (C-1)
 - a. Open or uncontained incident
 - b. Closed or contained incident
- G. Describe the functional components of the incident management system in terms of the following: (C-1)
 - a. Command
 - b. Finance
 - c. Logistics
 - d. Operations
 - e. Planning
- H. Differentiate between singular and unified command and when each is most applicable. (C-3)
- I. Describe the role of command. (C-1)
- J. Describe the need for transfer of command and procedures for transferring it. (C-1)
- K. Differentiate between command procedures used at small, medium and large scale medical incidents. (C- 1)
- L. Explain the local/ regional threshold for establishing command and implementation of the incident management system including threshold MCI declaration. (C-1)
- M. List and describe the functions of the following groups and leaders in ICS as it pertains to EMS incidents: (C-1)
 - a. Safety
 - b. Logistics
 - c. Rehabilitation (rehab)
 - d. Staging
 - e. Treatment
 - f. Triage
 - g. Transportation
 - h. Extrication/ rescue
 - i. Disposition of deceased (morgue)
 - j. Communications
- N. Describe the methods and rationale for identifying specific functions and leaders for these functions in ICS. (C-1)
- O. Describe the role of both command posts and emergency operations centers in MCI and disaster management. (C-1)
- P. Describe the role of the physician at multiple casualty incidents. (C-1)
- Q. Define triage and describe the principles of triage. (C-1)
- R. Describe the START (simple triage and rapid treatment) method of initial triage. (C-1)
- S. Given a list of 20 patients with various multiple injuries, determine the appropriate triage priority with 90% accuracy. (C-3)
- T. Given color coded tags and numerical priorities, assign the following terms to each: (C-1)
 - a. Immediate
 - b. Delayed
 - c. Hold
 - d. Deceased
- U. Define primary and secondary triage. (C-1)
- V. Describe when primary and secondary triage techniques should be implemented. (C-1)
- W. Describe the need for and techniques used in tracking patients during multiple

- casualty incidents. (C-1)
- X. Describe techniques used to allocate patients to hospitals and track them. (C-1)
- Y. Describe modifications of telecommunications procedures during multiple casualty incidents. (C-1)
- Z. List and describe the essential equipment to provide logistical support to MCI operations to include: (C-1)
 - a. Airway, respiratory and hemorrhage control
 - b. Burn management
 - c. Patient packaging/ immobilization
- 8-2.27 List the physical and psychological signs of critical incident stress. (C-1)
- 8-2.28 Describe the role of critical incident stress management sessions in MCIs. (C-1)
- 8-2.29 Describe the role of the following exercises in preparation for MCIs: (C-1)
 - a. Table top exercises
 - b. Small and large MCI drills

AFFECTIVE OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

- A. Understand the rationale for initiating incident command even at a small MCI event. (A-1)
- B. Explain the rationale for having efficient and effective communications as part of an incident command/ management system. (A-1)
- C. Explain why common problems of an MCI can have an adverse effect on an entire incident. (A-1)
- D. Explain the organizational benefits for having standard operating procedures (SOPs) for using the incident management system or incident command system. (A-1)

ILO 2. 2. Creative, critical and analytical thinking

EMTP 62B

MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: COGNITIVE, AFFECTIVE & PSYCHOMOTOR IIIB

SLO 1. HEMORRHAGE AND SHOCK

UNIT TERMINAL OBJECTIVE

A. the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with shock or hemorrhage.

COGNITIVE OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

- A. Describe the epidemiology, including the morbidity/ mortality and prevention strategies, for shock and hemorrhage. (C-1)
- B. Discuss the anatomy and physiology of the cardiovascular system. (C-1)
- C. Predict shock and hemorrhage based on mechanism of injury. (C-1)
- D. Discuss the various types and degrees of shock and hemorrhage. (C-1)
- E. Discuss the pathophysiology of hemorrhage and shock. (C-1)
- F. Discuss the assessment findings associated with hemorrhage and shock. (C-1)
- G. Identify the need for intervention and transport of the patient with hemorrhage or shock. (C-1)
- H. Discuss the treatment plan and management of hemorrhage and shock. (C-1)
- I. Discuss the management of external hemorrhage. (C-1)
- J. Differentiate between controlled and uncontrolled hemorrhage. (C-3)
- K. Differentiate between the administration rate and amount of IV fluid in a patient with controlled versus uncontrolled hemorrhage. (C-3)
- L. Relate internal hemorrhage to the pathophysiology of compensated and decompensated hemorrhagic shock. (C-3)
- M. Relate internal hemorrhage to the assessment findings of compensated and decompensated hemorrhagic shock. (C-3)
- N. Discuss the management of internal hemorrhage. (C-1)
- O. Define shock based on aerobic and anaerobic metabolism. (C-1)
- P. Describe the incidence, morbidity, and mortality of shock. (C-1)
- Q. Describe the body's physiologic response to changes in perfusion. (C-1)
- R. Describe the effects of decreased perfusion at the capillary level. (C-1)
- S. Discuss the cellular ischemic phase related to hemorrhagic shock. (C-1)
- T. Discuss the capillary stagnation phase related to hemorrhagic shock. (C-1)
- U. Discuss the capillary washout phase related to hemorrhagic shock. (C-1)

- V. Discuss the assessment findings of hemorrhagic shock. (C-1)
 - W. Relate pulse pressure changes to perfusion status. (C-3)
 - X. Relate orthostatic vital sign changes to perfusion status. (C-3)
 - Y. Define compensated and decompensated hemorrhagic shock. (C-1)
 - Z. Discuss the pathophysiological changes associated with compensated shock. (C-1)
 - AA. Discuss the assessment findings associated with compensated shock. (C-1)
 - AB. Identify the need for intervention and transport of the patient with compensated shock. (C-1)
 - AC. Discuss the treatment plan and management of compensated shock. (C-1)
 - AD. Discuss the pathophysiological changes associated with decompensated shock. (C-1)
 - AE. Discuss the assessment findings associated with decompensated shock. (C-1)
 - AF. Identify the need for intervention and transport of the patient with decompensated shock. (C-1)
 - AG. Discuss the treatment plan and management of the patient with decompensated shock. (C-1)
 - AH. Differentiate between compensated and decompensated shock. (C-3)
 - AI. Relate external hemorrhage to the pathophysiology of compensated and decompensated hemorrhagic shock. (C-3)
 - AJ. Relate external hemorrhage to the assessment findings of compensated and decompensated hemorrhagic shock. (C-3)
 - AK. Differentiate between the normotensive, hypotensive, or profoundly hypotensive patient. (C-3)
 - AL. Differentiate between the administration of fluid in the normotensive, hypotensive, or profoundly hypotensive patient. (C-3)
 - AM. Discuss the physiologic changes associated with the pneumatic anti-shock garment (PASG). (C-1)
 - AN. Discuss the indications and contraindications for the application and inflation of the PASG. (C-1)
 - AO. Apply epidemiology to develop prevention strategies for hemorrhage and shock. (C-1)
 - AP. Integrate the pathophysiological principles to the assessment of a patient with hemorrhage or shock. (C-3)
 - AQ. Synthesize assessment findings and patient history information to form a field impression for the patient with hemorrhage or shock. (C-3)
 - AR. Develop, execute and evaluate a treatment plan based on the field impression for the hemorrhage or shock patient. (C-3)
- AFFECTIVE OBJECTIVES
None identified for this unit.
- PSYCHOMOTOR OBJECTIVES
At the completion of this unit, the paramedic student will be able to:
- BW. Demonstrate the assessment of a patient with signs and symptoms of hemorrhagic shock. (P-2)
 - BX. Demonstrate the management of a patient with signs and symptoms of hemorrhagic shock. (P-2)
 - BY. Demonstrate the assessment of a patient with signs and symptoms of compensated hemorrhagic shock. (P-2)
 - BZ. Demonstrate the management of a patient with signs and symptoms of compensated hemorrhagic shock. (P-2)
 - CA. Demonstrate the assessment of a patient with signs and symptoms of decompensated hemorrhagic shock. (P-2)
 - CB. Demonstrate the management of a patient with signs and symptoms of decompensated hemorrhagic shock. (P-2)
 - CC. Demonstrate the assessment of a patient with signs and symptoms of external hemorrhage. (P-2)
 - CD. Demonstrate the management of a patient with signs and symptoms of external hemorrhage. (P-2)
 - AAA. Demonstrate the assessment of a patient with signs and symptoms of internal hemorrhage. (P-2)
 - BBB. Demonstrate the management of a patient with signs and symptoms of internal

hemorrhage. (P-2)

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. PEDIATRICS

UNIT TERMINAL OBJECTIVE

A. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the pediatric patient.

COGNITIVE OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

JG. Discuss the paramedic's role in the reduction of infant and childhood morbidity and mortality from acute illness and injury. (C-1)

JH. Identify methods/ mechanisms that prevent injuries to infants and children. (C-1)

JI. Describe Emergency Medical Services for Children (EMSC). (C-1)

JJ. Discuss how an integrated EMSC system can affect patient outcome. (C-2)

JK. Identify key growth and developmental characteristics of infants and children and their implications. (C-2)

JL. Identify key anatomical and physiological characteristics of infants and children and their implications. (C- 2)

JM. Describe techniques for successful assessment of infants and children. (C-1)

JN. Describe techniques for successful treatment of infants and children. (C-1)

JO. Identify the common responses of families to acute illness and injury of an infant or child. (C-1)

K Describe techniques for successful interaction with families of acutely ill or injured infants and children. (C- 1)

JP. Outline differences in adult and childhood anatomy and physiology. (C-3)

JQ. Identify "normal" age group related vital signs. (C-1)

JR. Discuss the appropriate equipment utilized to obtain pediatric vital signs. (C-1)

JS. Determine appropriate airway adjuncts for infants and children. (C-1)

JT. Discuss complications of improper utilization of airway adjuncts with infants and children. (C-1)

JU. Discuss appropriate ventilation devices for infants and children. (C-1)

JV. Discuss complications of improper utilization of ventilation devices with infants and children. (C-1)

JW. Discuss appropriate endotracheal intubation equipment for infants and children. (C-1)

JX. Identify complications of improper endotracheal intubation procedure in infants and children. (C-1)JY. List the indications and methods for gastric decompression for infants and children. (C-1)

JZ. Define respiratory distress. (C-1)

KA. Define respiratory failure. (C-1)

KB. Define respiratory arrest. (C-1)

KC. Differentiate between upper airway obstruction and lower airway disease. (C-3)

KD. Describe the general approach to the treatment of children with respiratory distress, failure, or arrest from upper airway obstruction or lower airway disease. (C-3)

KE. Discuss the common causes of hypoperfusion in infants and children. (C-1)

KF. Evaluate the severity of hypoperfusion in infants and children. (C-3)

KG. Identify the major classifications of pediatric cardiac rhythms. (C-1)

KH. Discuss the primary etiologies of cardiopulmonary arrest in infants and children. (C-1)

KI. Discuss age appropriate vascular access sites for infants and children. (C-1)

KJ. Discuss the appropriate equipment for vascular access in infants and children. (C-1)

KK. Identify complications of vascular access for infants and children. (C-1)

KL. Describe the primary etiologies of altered level of consciousness in infants and children. (C-1)

KM. Identify common lethal mechanisms of injury in infants and children. (C-1)

KN. Discuss anatomical features of children that predispose or protect them from certain injuries. (C-1)

KO. Describe aspects of infant and children airway management that are affected by potential cervical spine injury. (C-1)

KP. Identify infant and child trauma patients who require spinal immobilization. (C-1)

KQ. Discuss fluid management and shock treatment for infant and child trauma patient. (C-1)

KR. Determine when pain management and sedation are appropriate for infants and

children. (C-1)
KS. Define child abuse. (C-1)
KT. Define child neglect. (C-1)
KU. Define sudden infant death syndrome (SIDS). (C-1)
KV. Discuss the parent/ caregiver responses to the death of an infant or child. (C-1)
KW. Define children with special health care needs. (C-1)
KX. Define technology assisted children. (C-1)
KY. Discuss basic cardiac life support (CPR) guidelines for infants and children. (C-1)
KZ. Identify appropriate parameters for performing infant and child CPR. (C-1)
LA. Integrate advanced life support skills with basic cardiac life support for infants and children. (C-3)
LB. Discuss the indications, dosage, route of administration and special considerations for medication administration in infants and children. (C-1)
LC. Discuss appropriate transport guidelines for infants and children. (C-1)
LD. Discuss appropriate receiving facilities for low and high risk infants and children. (C-1)
AAA. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for respiratory distress/ failure in infants and children. (C-1)
BBB. Discuss the pathophysiology of respiratory distress/ failure in infants and children. (C-1)
CCC. Discuss the assessment findings associated with respiratory distress/ failure in infants and children. (C- 1)
DDD. Discuss the management/ treatment plan for respiratory distress/ failure in infants and children. (C-1)
EEE. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for hypoperfusion in infants and children. (C-1)
FFF. Discuss the pathophysiology of hypoperfusion in infants and children. (C-1)
GGG. Discuss the assessment findings associated with hypoperfusion in infants and children. (C-1)
HHH. Discuss the management/ treatment plan for hypoperfusion in infants and children. (C-1)
III. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for cardiac dysrhythmias in infants and children. (C-1)
JJJ. Discuss the pathophysiology of cardiac dysrhythmias in infants and children. (C-1)
KKK. Discuss the assessment findings associated with cardiac dysrhythmias in infants and children. (C-1)
LLL. Discuss the management/ treatment plan for cardiac dysrhythmias in infants and children. (C-1)
MMM. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for neurological emergencies in infants and children. (C-1)
NNN. Discuss the pathophysiology of neurological emergencies in infants and children. (C-1)
OOO. Discuss the assessment findings associated with neurological emergencies in infants and children. (C- 1)
PPP. Discuss the management/ treatment plan for neurological emergencies in infants and children. (C-1)
QQQ. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for trauma in infants and children. (C-1)
RRR. Discuss the pathophysiology of trauma in infants and children. (C-1)
SSS. Discuss the assessment findings associated with trauma in infants and children. (C-1)
TTT. Discuss the management/ treatment plan for trauma in infants and children. (C-1)
UUU. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for abuse and neglect in infants and children. (C-1)
VVV. Discuss the pathophysiology of abuse and neglect in infants and children. (C-1)
WWW. Discuss the assessment findings associated with abuse and neglect in infants and children. (C-1)
XXX. Discuss the management/ treatment plan for abuse and neglect in infants and children, including documentation and reporting. (C-1)
YYY. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for SIDS infants. (C-1)
ZZZ. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors

and prevention strategies for children with special health care needs including technology assisted children. (C-1)

AAAA. Discuss the pathophysiology of children with special health care needs including technology assisted children. (C-1)

BBBB. Discuss the assessment findings associated for children with special health care needs including technology assisted children. (C-1)

CCCC. Discuss the management/ treatment plan for children with special health care needs including technology assisted children. (C-1)

DDDD. Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for SIDS infants. (C-1)

EEEE. Discuss the pathophysiology of SIDS in infants. (C-1)

FFFF. Discuss the assessment findings associated with SIDS infants. (C-1)

GGGG. Discuss the management/ treatment plan for SIDS in infants. (C-1)

AFFECTIVE OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

A. Demonstrate and advocate appropriate interactions with the infant/ child that conveys an understanding of their developmental stage. (A-3)

B. Recognize the emotional dependence of the infant/ child to their parent/ guardian. (A-1)

C. Recognize the emotional impact of the infant/ child injuries and illnesses on the parent/ guardian. (A- 1)

D. Recognize and appreciate the physical and emotional difficulties associated with separation of the parent/ guardian of a special needs child (A-3)

E. Demonstrate the ability to provide reassurance, empathy and compassion for the parent/ guardian. (A-1)

PSYCHOMOTOR OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

A. Demonstrate the appropriate approach for treating infants and children. (P-2)

6-2.92 Demonstrate appropriate intervention techniques with families of acutely ill or injured infants and children. (P-2)

LE. Demonstrate an appropriate assessment for different developmental age groups. (P-2)

LF. Demonstrate an appropriate technique for measuring pediatric vital signs. (P-2)

LG. Demonstrate the use of a length-based resuscitation device for determining equipment sizes, drug doses and other pertinent information for a pediatric patient. (P-2)

LH. Demonstrate the appropriate approach for treating infants and children with respiratory distress, failure, and arrest. (P-2)

LI. Demonstrate proper technique for administering blow-by oxygen to infants and children. (P-2)

LJ. Demonstrate the proper utilization of a pediatric non-rebreather oxygen mask. (P-2)

LK. Demonstrate proper technique for suctioning of infants and children. (P-2)

LL. Demonstrate appropriate use of airway adjuncts with infants and children. (P-2)

LM. Demonstrate appropriate use of ventilation devices for infants and children. (P-2)

LN. Demonstrate endotracheal intubation procedures in infants and children. (P-2)

LO. Demonstrate appropriate treatment/ management of intubation complications for infants and children. (P- 2)

LP. Demonstrate appropriate needle cricothyroidotomy in infants and children. (P-2)

LQ. Demonstrate proper placement of a gastric tube in infants and children. (P-2)

LR. Demonstrate an appropriate technique for insertion of peripheral intravenous catheters for infants and children. (P-2)

LS. Demonstrate an appropriate technique for administration of intramuscular, inhalation, subcutaneous, rectal, endotracheal and oral medication for infants and children. (P-2)

LT. Demonstrate an appropriate technique for insertion of an intraosseous line for infants and children. (P-2)

LU. Demonstrate appropriate interventions for infants and children with a partially obstructed airway. (P-2)

LV. Demonstrate age appropriate basic airway clearing maneuvers for infants and children with a completely obstructed airway. (P-2)

LW. Demonstrate proper technique for direct laryngoscopy and foreign body retrieval in infants and children with a completely obstructed airway. (P-2)

LX. Demonstrate appropriate airway and breathing control maneuvers for infant and child trauma patients. (P-2)

LY. Demonstrate appropriate treatment of infants and children requiring advanced airway and breathing control. (P-2)

LZ. Demonstrate appropriate immobilization techniques for infant and child trauma patients. (P-2)

MA. Demonstrate treatment of infants and children with head injuries. (P-2)

MB. Demonstrate appropriate treatment of infants and children with chest injuries. (P-2)

MC. Demonstrate appropriate treatment of infants and children with abdominal injuries. (P-2)

MD. Demonstrate appropriate treatment of infants and children with extremity injuries. (P-2)

ME. Demonstrate appropriate treatment of infants and children with burns. (P-2)

MF. Demonstrate appropriate parent/ caregiver interviewing techniques for infant and child death situations.(P-2)

MG. Demonstrate proper infant CPR. (P-2)

MH. Demonstrate proper child CPR. (P-2)

MI. Demonstrate proper techniques for performing infant and child defibrillation and synchronized cardioversion.(P-2)

ILO 2. 2. Creative, critical and analytical thinking

EMTP 63A MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: HOSPITAL SPECIALTY ROTATIONS

SLO 1. rapidly and continuously assess ill or injured patients

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. systematically process assessment findings and develop conclusions

ILO 2. 2. Creative, critical and analytical thinking

EMTP 63B MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: HOSPITAL EMERGENCY DEPARTMENT ROTATIONS

SLO 1. At completion of this course, paramedic student will complete each expect outcome with the assistance of the faculty and hospital preceptor in the controlled environment of the hospital setting in preparation for the chaotic, uncontrolled environment of the ambulance field internship: integrate pathophysiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. At completion of this course, paramedic student will complete each expect outcome with the assistance of the faculty and hospital preceptor in the controlled environment of the hospital setting in preparation for the chaotic, uncontrolled environment of the ambulance field internship: safely and precisely access the venous circulation and administer medications.

ILO 2. 2. Creative, critical and analytical thinking

EMTP 64A MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: AMBULANCE FIELD INTERNSHIP

SLO 1. Students are required to take the theoretical knowledge from the classroom, the laboratory simulations on manikins, and appropriate attitudes learned in the classroom, the hospital-clinical experience on live patients and combine these components to function as an intern responding on a 911 ambulance to ill and injured patients while being instructed and evaluated by a field preceptor. The student has the daunting task of initiating, providing, and directing entire emergency patient care while in a sometimes chaotic, uncontrolled environment. Students will use the appropriate techniques to obtain a medical history from a patient.

ILO 1. 1. Communication

SLO 2. Students are required to take the theoretical knowledge from the classroom, the laboratory simulations on manikins, and appropriate attitudes learned in the classroom, the hospital-clinical experience on live patients and combine these components to function as an intern responding on a 911 ambulance to ill and injured patients while being instructed and evaluated by a field preceptor. The student has the daunting task of initiating, providing, and directing entire emergency patient care while in a sometimes chaotic, uncontrolled environment. Students will apply a process of clinical decision

making to use the assessment findings to help form a field impression.

ILO 2. 2. Creative, critical and analytical thinking

- EMTP 64B MOBILE INTENSIVE CARE PARAMEDIC PROGRAM:
AMBULANCE FIELD INTERNSHIP
- SLO 1. At completion of this course, paramedic student will complete each expected outcome with the assistance of the faculty and ambulance paramedic preceptor in the uncontrolled environment of the field internship setting. Students will integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for a patient with respiratory problems.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. At completion of this course, paramedic student will complete each expected outcome with the assistance of the faculty and ambulance paramedic preceptor in the uncontrolled environment of the field internship setting. Students will integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for a patient with cardiovascular disease.
- ILO 2. 2. Creative, critical and analytical thinking
- EMTP 64C MOBILE INTENSIVE CARE PARAMEDIC PROGRAM: EXTENSION
AMBULANCE FIELD INTERNSHIP
- SLO 1. Extended ambulance internship. Offers additional period of clinical exposure for students needing further clinical time to develop requisite skills. Students are required to take the theoretical knowledge from the classroom, the laboratory simulations on manikins, and appropriate attitudes learned in the classroom, the hospital-clinical experience on live patients and combine these components to function as an intern responding on a 911 ambulance to ill and injured patients while being instructed and evaluated by a field preceptor. The student has the daunting task of initiating, providing, and directing entire emergency patient care while in a sometimes chaotic, uncontrolled environment. The student will integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the pediatric patient.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Extended ambulance internship. Offers additional period of clinical exposure for students needing further clinical time to develop requisite skills. Students are required to take the theoretical knowledge from the classroom, the laboratory simulations on manikins, and appropriate attitudes learned in the classroom, the hospital-clinical experience on live patients and combine these components to function as an intern responding on a 911 ambulance to ill and injured patients while being instructed and evaluated by a field preceptor. The student has the daunting task of initiating, providing, and directing entire emergency patient care while in a sometimes chaotic, uncontrolled environment. The student will integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the geriatric patient.
- ILO 2. 2. Creative, critical and analytical thinking
- EMTP 190 DIRECTED STUDY
- SLO 1. The SLO for this class is student dependent. For example, if a student needs additional help in attaining competency in establishing venous access on live patient- the SLO is: attaining competency in establishing venous access on live patient.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. The SLO for this class is student dependent. For example, if a student needs additional help in attaining competency in safely administering medications on live patient- the SLO is: attaining competency in safely administering medications on live patients.
- ILO 2. 2. Creative, critical and analytical thinking
- EMTP 190X DIRECTED STUDY
- SLO 1. The SLO for this class is student dependent. For example, if a student needs additional help in attaining competency in patient communication- the SLO is: attaining competency in patient communication.
- ILO 1. 1. Communication

SLO 2. Identify and avoid common fallacies in reasoning.

ILO 2. 3. Computation

ENGL 1CH	HONORS ADVANCED COMPOSITION	
	SLO 1. Make logical inferences toward an interpretation	
	SLO 2. Substantiate thesis through analysis, logical and systematic organization, supporting evidence, and clarity of language	
ENGL 3	TECHNICAL WRITING	
	SLO 1. Students can develop content (in a technical document) appropriate to the context and audience need(s)	
	SLO 2. Students can design technical documents appropriate for the genre, context/purpose, and audience need(s)	
ENGL 5	GAY & LESBIAN LITERATURE	
	SLO 1. Interpret gay and lesbian literary works within the structure of relevant racial, ethnic, gender, class, aesthetic, and cultural contexts.	
	SLO 2. Trace the development and emergence of distinct gay/lesbian social and political cultures in the twentieth century.	
ENGL 5H	HONORS GAY & LESBIAN LITERATURE	No SLOs on file.
ENGL 7	NATIVE AMERICAN LITERATURE	
	SLO 1. Interpret Native American literary works within the structure of relevant religious, historical, political, and cultural contexts.	
	SLO 2. Recognize and apply basic literary terminologies, critical theories, and genres appropriate to an introductory college-level discussion of Native American literature.	
ENGL 7H	HONORS NATIVE AMERICAN LITERATURE	
	SLO 1. Interpret Native American literary works within the structure of relevant religious, historical, political, and cultural contexts through the application of analysis, synthesis, and evaluation.	
	SLO 2. Recognize and apply literary terminologies and critical theories appropriate to an introductory college-level discussion of Native American literature, based on original research.	
ENGL 8	CHILDREN'S LITERATURE	
	SLO 1. Identify the characteristics in each genre of children's literature.	
	SLO 2. Analyze the cross-cultural variants in a folktale archetype.	
ENGL 11	INTRODUCTION TO POETRY	No SLOs on file.
ENGL 11H	HONORS INTRODUCTION TO POETRY	No SLOs on file.
ENGL 12	AFRICAN AMERICAN LITERATURE	
	SLO 1. Identify significant literary, social, cultural and political issues in 19th-21st century African American writing.	
	SLO 2. Identify fundamental elements of African American culture as represented in the literature.	
ENGL 14	INTRODUCTION TO CONTEMPORARY FICTION	
	SLO 1. Students can understand postmodernism in literature and recognize its effect on selected contemporary fiction.	
	SLO 2. Students can articulate a main idea at essay level (thesis)	
ENGL 17	INTRODUCTION TO SHAKESPEARE	No SLOs on file.
ENGL 22	WOMEN WRITERS	No SLOs on file.
ENGL 31	LATINO/A LITERATURE	
	SLO 1. Identify significant literary, social, cultural, and political issues in twentieth-century Chicano writing.	

SLO 2. Trace the development and emergence of distinct Chicano social and political cultures in the twentieth and twenty-first centuries.

ENGL 34H	HONORS INSTITUTE SEMINAR IN ENGLISH	No SLOs on file.
ENGL 35	SEMINARS IN ENGLISH	No SLOs on file.
ENGL 35X	SEMINARS IN ENGLISH	No SLOs on file.
ENGL 35Y	SEMINARS IN ENGLISH	No SLOs on file.
ENGL 35Z	SEMINARS IN ENGLISH	No SLOs on file.
ENGL 36	INDIVIDUAL PROJECTS IN ENGLISH	No SLOs on file.
ENGL 36X	INDIVIDUAL PROJECTS IN ENGLISH	No SLOs on file.
ENGL 36Y	INDIVIDUAL PROJECTS IN ENGLISH	No SLOs on file.
ENGL 36Z	INDIVIDUAL PROJECTS IN ENGLISH	No SLOs on file.
ENGL 40	ASIAN AMERICAN LITERATURE	

SLO 1. Identify significant literary, social, cultural, and political issues in twentieth-century Asian American writing.

SLO 2. Differentiate between the historical and cultural content of various Asian American ethnic groups and their writings.

ENGL 40H	HONORS ASIAN AMERICAN LITERATURE	No SLOs on file.
ENGL 41	LITERATURE OF MULTICULTURAL AMERICA	

SLO 1. Identify significant literary, social, cultural, and political issues in twentieth and twenty-first century writing of selected African American, Latino, Asian American, Native American and European American authors.

SLO 2. Trace the development and emergence of distinct multicultural social and political cultures in the twentieth and twenty-first centuries.

ENGL 42A	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
ENGL 42B	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
ENGL 42C	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
ENGL 42S	INTEGRATED COMPOSITION & READING	No SLOs on file.
ENGL 42T	INTEGRATED COMPOSITION & READING	No SLOs on file.
ENGL 46A	MONSTERS, MADNESS & MAYHEM: ENGLISH LITERATURE FROM ITS EARLIEST BEGINNINGS TO MILTON	

SLO 1. Acquire knowledge of the historical and cultural period, major writers, and key texts produced from 650 – 1620s CE.

SLO 2. Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of key texts produced from 650 – 1620s CE..

ENGL 46B	REASON, REBELLION & ROMANTICISM: ENGLISH LITERATURE FROM 1660 - 1830'S	
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SLO 1. Acquire knowledge of the historical and cultural period, major writers, and key texts and documents of British literature from the seventeenth century to the nineteenth century.

SLO 2. Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of seventeenth through nineteenth-century British literature.

ENGL 46C	WARS & WASTELANDS: ENGLISH LITERATURE FROM THE VICTORIAN PERIOD TO THE PRESENT	
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SLO 1. Acquire knowledge of the historical and cultural period, major writers, and key texts and documents of twentieth-century British literature.

SLO 2. Develop critical thinking skills by applying a variety of critical and theoretical criteria to the evaluation of twentieth-century British literature.

ENGL 48A	SURVEY OF EARLY AMERICAN LITERATURE: 1492-1864	No SLOs on file.
ENGL 48B	AMERICAN LITERATURE IN THE GILDED AGE: 1865-1914	No SLOs on file.
ENGL 48C	MODERN AMERICAN LITERATURE: 1914-PRESENT	No SLOs on file.
ENGL 50	SPECIAL TOPICS IN ENGLISH	No SLOs on file.
ENGL 110	INTRODUCTION TO COLLEGE WRITING	

- SLO 1. Students can integrate information from texts to develop a main idea. (quoting and paraphrasing)
- SLO 2. Students can articulate a main idea at the paragraph level (topic sentences)

ENGL 190	DIRECTED STUDY	No SLOs on file.
ENGL 190X	DIRECTED STUDY	No SLOs on file.
ENGL 205	ALTERNATE CREDIT READING SKILLS	
	SLO 1. Student will demonstrate substantial progress toward achieving some of the English 110 objectives	
ENGL 209	INTRODUCTION TO COLLEGE READING	No SLOs on file.
ENGL 215	ALTERNATE CREDIT WRITING SKILLS	
	SLO 1. Student will demonstrate substantial progress toward achieving some of the English 110 objectives	

5 of 11 Course IDs for *ENGR* in the Physical Sciences, Mathematics & Engineering Division have SLO's. 2009-2010

Course ID	Title	SLO's
ENGR 10	INTRODUCTION TO ENGINEERING	No SLOs on file.
ENGR 34H	HONORS INSTITUTE SEMINAR IN ENGINEERING	No SLOs on file.
ENGR 35	STATICS	
	SLO 1. The student be able to determine the equilibrium of particles and rigid bodies in two and three dimensions	
	SLO 2. The student will be able to analyze the forces, centroid and moments of inertia on structures, such as:	
	- Trusses	
	- Frames	
	- Beams	
	- Cables	
ENGR 36	SPECIAL PROJECTS IN ENGINEERING & TECHNOLOGY	No SLOs on file.
ENGR 36X	SPECIAL PROJECTS IN ENGINEERING & TECHNOLOGY	No SLOs on file.
ENGR 36Y	SPECIAL PROJECTS IN ENGINEERING & TECHNOLOGY	No SLOs on file.
ENGR 37	INTRODUCTION TO CIRCUIT ANALYSIS	
	SLO 1. Students will correctly identify the production, characteristics, applications, and voltage change methods of Direct Current and Alternating Current.	
	SLO 2. Students will correctly calculate quantities in DC and AC circuits containing resistive devices, capacitors, and inductors using Ohm's and Watt's Laws, Kirchoff's Laws, and appropriate circuit analysis methods.	
	SLO 3. Students will correctly perform measurements using multimeters, oscilloscopes, and signal generators, perform circuit fabrication using electronic schematic diagrams, and perform simple problem-isolation techniques on laboratory circuits.	
ENGR 37L	CIRCUIT ANALYSIS LABORATORY	No SLOs on file.
ENGR 40	INTRODUCTION TO CLEAN ENERGY TECHNOLOGY	No SLOs on file.
ENGR 45	PROPERTIES OF MATERIALS	
	SLO 1. To ensure that our students are knowledgeable about all classes of materials and their structure, properties, processing, applications and performance;	
	SLO 2. To ensure that our students can properly relate their hands-on laboratory experiences to solving real materials engineering problems	
ENGR 49	ENGINEERING PROFESSION	
	SLO 1. Identify one's interest in a engineer field(s) via self analysis and career research.	

SLO 2. An understanding of professional, ethical, legal, security, and social issues and responsibilities

32 of 31 Course IDs for *ESLL* in the Language Arts Division have SLO's. 2009-2010

Course ID	Title	SLO's
ESLL 25	COMPOSITION & READING	<p>SLO 1. Analyze articles written for a general audience, such as those appearing in Newsweek or Time Magazine.</p> <p>ILO 1. 2. Creative, critical and analytical thinking</p> <p>SLO 2. Write an expository essay based on one or more texts.</p> <p>ILO 2. 1. Communication</p>
ESLL 26	ADVANCED COMPOSITION & READING	<p>SLO 1. Evaluate, use, and document sources appropriately to develop a position on a topic.</p> <p>ILO 1. 2. Creative, critical and analytical thinking</p> <p>SLO 2. Write an argumentative essay of at least 1,000 words articulating and developing a position on an issue discussed in one or more texts.</p> <p>ILO 2. 1. Communication</p>
ESLL 200A	FOUNDATIONS IN ENGLISH AS A SECOND LANGUAGE I	<p>SLO 1. Produce simple sentences using appropriate forms of the simple present, simple past, present progressive, will and be going to future.</p> <p>ILO 1. 1. Communication</p> <p>SLO 2. Ask and answer questions using the present and past.</p> <p>ILO 2. 1. Communication</p>
ESLL 200B	FOUNDATIONS IN ENGLISH AS A SECOND LANGUAGE II	<p>SLO 1. Identify topics, main ideas and supporting ideas in readings of two or three simple paragraphs.</p> <p>ILO 1. 1. Communication</p> <p>SLO 2. Apply words learned by using them to write original sentences.</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking</p>
ESLL 210A	FOUNDATIONS IN ENGLISH AS A SECOND LANGUAGE III	<p>SLO 1. Produce paragraphs using appropriate forms of the simple present, simple past, present progressive, past progressive, and future.</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. Ask and answer questions using the present, past and future.</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking</p>
ESLL 210B	FOUNDATIONS IN ENGLISH AS A SECOND LANGUAGE IV	<p>SLO 1. Identify topics, main ideas and supporting details in readings of four to eight paragraphs.</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. Apply words learned by using them to write original sentences.</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 3. Write short, reflective responses to readings.</p> <p>ILO 3. 1. Communication 2. Creative, critical and analytical thinking</p>
ESLL 225	DEVELOPING LISTENING/SPEAKING SKILLS	<p>SLO 1. Analyze articles written for a general audience, such as those appearing in Newsweek or Time Magazine.</p> <p>ILO 1. 2. Creative, critical and analytical thinking</p>

- SLO 2.** Write an expository essay based on one or more texts.
ILO 2. 1. Communication
- ESLL 226 HIGH-INTERMEDIATE GRAMMAR
SLO 1. Evaluate, use, and document sources appropriately to develop a position on a topic.
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Write an argumentative essay of at least 1,000 words articulating and developing a position on an issue discussed in one or more texts.
ILO 2. 1. Communication
- ESLL 227 HIGH-INTERMEDIATE READING SKILLS
SLO 1. Write a summary of an article and an analytical response to it.
ILO 1. 1. Communication
SLO 2. Apply words learned by using them to write original sentences.
ILO 2. 2. Creative, critical and analytical thinking
- ESLL 228 DEVELOPING LANGUAGE SKILLS FOR INTERNATIONAL STUDENTS
SLO 1. Respond to varied types of aural input (instructions, telephone messages, conversations, short talks).
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Participate in social interactions and group discussions.
ILO 2. 1. Communication
- ESLL 235 LISTENING/SPEAKING FOR ACADEMIC PURPOSES
SLO 1. Summarize a lecture.
ILO 1. 1. Communication
SLO 2. Participate in group discussions based on lectures.
ILO 2. 2. Creative, critical and analytical thinking
- ESLL 236 ADVANCED GRAMMAR
SLO 1. Produce simple sentences using appropriate forms of the simple present, simple past, present progressive, will and be going to future.
ILO 1. 1. Communication
SLO 2. Ask and answer questions using the present and past.
ILO 2. 2. Creative, critical and analytical thinking
- ESLL 237 BASIC COMPOSITION SKILLS
SLO 1. Summarize a lecture.
SLO 2. Participate in group discussions based on lectures.
- ESLL 246 APPLIED GRAMMAR & EDITING SKILLS
SLO 1. Develop an individual error profile.
SLO 2. Eliminate errors identified in the individual error profile.
- ESLL 247 ADVANCED VOCABULARY DEVELOPMENT FOR READING & WRITING
SLO 1. Write about the process of learning new words, applying multiple strategies learned in class.
SLO 2. Write original sentences using words from the Academic Word List that demonstrate an understanding of the meaning and usage of the words.
- ESLL 248 ADVANCED GRAMMAR REVIEW
SLO 1. Identify three patterns of grammatical errors that students tend to make.
SLO 2. Edit for patterns of grammatical errors in students' own writing.

ESLL 261A	ALTERNATE CREDIT: FOUNDATIONS IN ENGLISH AS A SECOND LANGUAGE I	No SLOs on file.
ESLL 261B	ALTERNATE CREDIT: FOUNDATIONS IN ENGLISH AS A SECOND LANGUAGE II	No SLOs on file.
ESLL 262A	ALTERNATE CREDIT: FOUNDATIONS IN ENGLISH AS A SECOND LANGUAGE III	No SLOs on file.
ESLL 262B	FOUNDATIONS IN ENGLISH AS A SECOND LANGUAGE IV	No SLOs on file.
ESLL 265	ALTERNATIVE CREDIT: DEVELOPING LISTENING/SPEAKING SKILLS	
	<p>SLO 1. Summarize a lecture. ILO 1. 2. Creative, critical and analytical thinking SLO 2. Participate in group discussions based on lectures. ILO 2. 2. Creative, critical and analytical thinking</p>	
ESLL 266	ALTERNATE CREDIT: HIGH-INTERMEDIATE GRAMMAR	No SLOs on file.
ESLL 267	ALTERNATE CREDIT: HIGH-INTERMEDIATE READING SKILLS	No SLOs on file.
ESLL 275	ALTERNATIVE CREDIT: LISTENING/SPEAKING FOR ACADEMIC PURPOSES	No SLOs on file.
ESLL 276	ALTERNATIVE CREDIT: ADVANCED GRAMMAR	
	<p>SLO 1. Develop an individual error profile. ILO 1. 2. Creative, critical and analytical thinking SLO 2. Eliminate errors identified in the individual error profile. ILO 2. 3. Computation</p>	
ESLL 277	ALTERNATIVE CREDIT: BASIC COMPOSITION SKILLS	
	<p>SLO 1. Write about the process of learning new words, applying multiple strategies learned in class. ILO 1. 1. Communication 2. Creative, critical and analytical thinking SLO 2. Write original sentences using words from the Academic Word List that demonstrate an understanding of the meaning and usage of the words. ILO 2. 1. Communication 2. Creative, critical and analytical thinking</p>	
ESLL 286	ALTERNATIVE CREDIT: APPLIED GRAMMAR & EDITING SKILLS	
	<p>SLO 1. Identify three patterns of grammatical errors that students tend to make. ILO 1. 2. Creative, critical and analytical thinking SLO 2. Edit for patterns of grammatical errors in students, fô own writing. ILO 2. 2. Creative, critical and analytical thinking</p>	
ESLL 287	ALTERNATE CREDIT: ADVANCED VOCABULARY DEVELOPMENT FOR READING/WRITING	No SLOs on file.
ESLL 288	ALTERNATE CREDIT: ADVANCED GRAMMAR REVIEW	No SLOs on file.
ESLL 295	ALTERNATE CREDIT: COMPOSITION & READING	No SLOs on file.
ESLL 296	ALTERNATE CREDIT: ADVANCED COMPOSITION & READING	No SLOs on file.

10 of 10 Course IDs for *F A* in the Fine Arts and Communication Division have SLO's. 2009-2010

Course ID	Title	SLO's
F A 1	INTRODUCTION TO POPULAR CULTURE	
	<p>SLO 1. Critique aspects of popular culture as a reflection of its social/historical context. SLO 2. Evaluate artifacts of popular culture and its relationship to a commodity culture. SLO 3. Analyze assumptions of race, class, generation, and gender imbedded in popular culture.</p>	
F A 2	POPULAR CULTURE & UNITED STATES HISTORY	

- SLO 1.** Evaluate the cultural and social importance of popular culture in shaping twentieth and twenty-first century American history
- ILO 1.** 2. Creative, critical and analytical thinking
- SLO 2.** Analyze the importance of context and perspective when studying history through the lens of popular culture.
- ILO 2.** 2. Creative, critical and analytical thinking

F A 30	FINE ARTS TOPICS	<p>SLO 1. The student will demonstrate a depth of knowledge in a specific subject area in a Fine Arts discipline selected.</p> <p>SLO 2. The student will demonstrate a specific skill based on the course's area discipline and course content.</p>
F A 30X	FINE ARTS TOPICS	<p>SLO 1. The student will demonstrate a depth of knowledge in a specific subject area in a Fine Arts discipline selected.</p> <p>SLO 2. The student will demonstrate a specific skill based on the course's area discipline and course content.</p>
F A 30Y	FINE ARTS TOPICS	<p>SLO 1. The student will demonstrate a depth of knowledge in a specific subject area in a Fine Arts discipline selected.</p> <p>SLO 2. The student will demonstrate a specific skill based on the course's area discipline and course content.</p>
F A 30Z	FINE ARTS TOPICS	<p>SLO 1. The student will demonstrate a depth of knowledge in a specific subject area in a Fine Arts discipline selected</p> <p>SLO 2. The student will demonstrate a specific skill based on the course's area discipline and course content.</p>
F A 150	FINE ARTS LABORATORY	<p>SLO 1. Students will be able to demonstrate an increase in understanding and depth of knowledge of concepts depending on the content and discipline of study.</p> <p>SLO 2. Students will be able demonstrate refined and improved specific skills depending on the content and discipline of study.</p>
F A 150X	FINE ARTS LABORATORY	<p>SLO 1. Students will be able to demonstrate an increase in understanding and depth of knowledge of concepts depending on the content and discipline of study.</p> <p>SLO 2. Students will be able demonstrate refined and improved specific skills depending on the content and discipline of study.</p>
F A 150Y	FINE ARTS LABORATORY	<p>SLO 1. Students will be able to demonstrate an increase in understanding and depth of knowledge of concepts depending on the content and discipline of study.</p> <p>SLO 2. Students will be able demonstrate refined and improved specific skills depending on the content and discipline of study.</p>
F A 150Z	FINE ARTS LABORATORY	<p>SLO 1. Students will be able to demonstrate an increase in understanding and depth of knowledge of concepts depending on the content and discipline of study</p> <p>SLO 2. Students will be able demonstrate refined and improved specific skills depending on the content and discipline of study.</p>

0 of 1 Course IDs for *FASH* in the Business and Social Sciences Division 2009-2010
have SLO's.

16 of 29 Course IDs for *GEOG* in the Business and Social Sciences Division 2009-2010
have SLO's.

Course ID	Title	SLO's
GEOG 1	PHYSICAL GEOGRAPHY	<p>SLO 1. Use maps, graphs and/or Geographic Information Systems (GIS) to analyze and interpret data and draw valid conclusions</p> <p>SLO 2. Explain the causes of seasons</p> <p>SLO 3. Analyze the factors that contribute to global climate patterns.</p> <p>SLO 4. Discuss the formation of major landforms.</p> <p>SLO 5. Discuss the function, temperature profile and composition of the atmosphere.</p> <p>SLO 6. Discuss the hydrologic cycle, and the distribution and allocation of water resources for humans.</p> <p>SLO 7. Analyze patterns and consequences of human environment interaction.</p>
GEOG 2	HUMAN GEOGRAPHY	<p>SLO 1. Use maps, graphs, and/or Geographic Information Systems (GIS) to analyze and interpret data, and draw valid conclusions.</p> <p>SLO 2. Place contemporary developments in cultural, historical, environmental and spatial context.</p> <p>SLO 3. Analyze relationships between humans and the natural world in which they live.</p> <p>SLO 4. Discuss patterns of population growth and change around the world.</p>
GEOG 5	INTRODUCTION TO ECONOMIC GEOGRAPHY	<p>SLO 1. Use maps, graphs, and/or Geographic Information Systems (GIS) to analyze and interpret data and derive valid conclusions.</p> <p>SLO 2. Examine how society organizes its economic activities over space at both a local, regional and global scale.</p> <p>SLO 3. Compare and contrast economic development and prosperity as they relate to human geography and the distribution of natural resources.</p>
GEOG 9	CALIFORNIA GEOGRAPHY	<p>SLO 1. Identify California's physical and cultural regions and characteristics.</p> <p>SLO 2. Examine activities and historic processes which modified California's natural and cultural aspects.</p>
GEOG 10	WORLD REGIONAL GEOGRAPHY	<p>SLO 1. Use maps, graphs, and/or Geographic Information Systems (GIS) to analyze and interpret data and draw valid conclusions.</p> <p>SLO 2. Apply major geographic themes and concepts to explain the origins and development of major nations and regions.</p> <p>SLO 3. Compare and contrast major regions of the world with regard to their natural environments, peoples, natural resources, economies and contemporary problems.</p>
GEOG 12	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	<p>SLO 1. Define a Geographic Information System.</p> <p>SLO 2. Identify, compare and Contrast vector and raster GIS.</p> <p>SLO 3. Apply cartographic principles of scale, resolution, projection, data management and spatial analysis to a geographic nature using a GIS.</p>

GEOG 34H	HONORS INSTITUTE SEMINAR IN GEOGRAPHY	No SLOs on file.
GEOG 35	DEPARTMENT HONORS PROJECTS IN GEOGRAPHY	No SLOs on file.
GEOG 36	SPECIAL PROJECTS IN GEOGRAPHY	
	SLO 1. assess complexities and patterns of issue/project covered using a geographic perspective.	
GEOG 36X	SPECIAL PROJECTS IN GEOGRAPHY	
	SLO 1. assess complexities and patterns of issue/project covered using a geographic perspective.	
GEOG 36Y	SPECIAL PROJECTS IN GEOGRAPHY	
	SLO 1. assess complexities and patterns of issue/project covered using a geographic perspective.	
GEOG 36Z	SPECIAL PROJECTS IN GEOGRAPHY	
	SLO 1. assess complexities and patterns of issue/project covered using a geographic perspective.	
GEOG 52	ADVANCED GEOGRAPHIC INFORMATION SYSTEMS (GIS)	
	SLO 1. Demonstrate the process of converting analogue data to digital data for us in GIS.	
	SLO 2. Identify and discuss GIS data sources.	
	SLO 3. Create new GIS databases.	
	SLO 4. Plan, evaluate and execute an original GIS project.	
GEOG 54A	SEMINAR IN SPECIALIZED APPLICATIONS OF GEOGRAPHIC INFORMATION SYSTEMS I	
	SLO 1. Discuss the diverse applications of Geographic Information Systems.	
	SLO 2. To be completed...	
GEOG 54B	SEMINAR IN SPECIALIZED APPLICATIONS OF GEOGRAPHIC INFORMATION SYSTEMS II	
	SLO 1. Create and present a GIS project.	
	SLO 2. To be completed...	
GEOG 58	REMOTE SENSING & DIGITAL IMAGE PROCESSING	
	SLO 1. Define remote sensing.	
	SLO 2. Discuss the applications of remote sensing with Geographic Information Systems (GIS)	
	SLO 3. Discuss the physical basis for remote sensing in terms of the electromagnetic spectrum.	
GEOG 59	CARTOGRAPHY, MAP PRESENTATION & DESIGN	
	SLO 1. Create maps that demonstrate an understanding of the fundamentals of composition, color, and symbol selection at different scales.	
	SLO 2. To be completed...	
GEOG 73	DYNAMIC & INTERACTIVE MAPPING	No SLOs on file.
GEOG 78	GEOGRAPHIC INFORMATION SCIENCE PROJECTS	No SLOs on file.
GEOG 90A	INTRODUCTION TO GIS FOR K-12 TEACHERS I: FUNDAMENTALS OF GEOGRAPHIC INFORMATION SYSTEMS SCIENCE	No SLOs on file.
GEOG 90B	INTRODUCTION TO GIS FOR K-12 TEACHERS II: UTILIZING SPATIAL DATA & DATA ANALYSIS IN THE CLASSROOM	No SLOs on file.
GEOG 90C	INTRODUCTION TO GIS FOR K-12 TEACHERS III: DESIGNING & IMPLEMENTING A GIS	No SLOs on file.
GEOG 100A	INTRODUCTION TO ARC VIEW GIS	No SLOs on file.
GEOG 100B	INTRODUCTION TO GEO MEDIA & GEO MEDIA PRO	No SLOs on file.

GEOG 101	A PREFACE TO GIS: AN INTRODUCTION TO COMPUTER-BASED MAPPING & GIS	
	SLO 1. Describe what a Geographic Information System (GIS) is and how it works.	
	SLO 2. Identify examples of GIS and GIS software.	
GEOG 101A	INTRODUCTION TO MAPPING & COMPUTERIZED CARTOGRAPHY	No SLOs on file.
GEOG 101B	A PREFACE TO GIS: COMPUTER-BASED MAPPING & GIS	No SLOs on file.
GEOG 101C	GLOBAL POSITIONING SYSTEMS (GPS) FUNDAMENTALS	No SLOs on file.
GEOG 101D	TECHNOLOGY CAREERS & WORKFORCE PREPARATION	No SLOs on file.

3 of 1 Course IDs for *GERM* in the Language Arts Division have SLO's. 2009-2010

Course ID	Title	SLO's
GERM 8	POST WORLD WAR II GERMANY	No SLOs on file.

2 of 7 Course IDs for *GERN* in the Adaptive Learning Division have SLO's. 2009-2010

Course ID	Title	SLO's
GERN 50	SOCIOLOGY OF AGING	No SLOs on file.
GERN 51	PSYCHOLOGY OF AGING	
	SLO 1. Describe age-related emotional and psychological changes that occur in later life.	
	SLO 2. Differentiate between age-related and disease-related changes in life.	
	SLO 3. Apply knowledge of age-related changes to specific case studies.	
GERN 52	HEALTH & AGING	
	SLO 1. List physical changes that tend to occur in older adults.	
	SLO 2. Describe causes of physical changes that occur in older adults.	
	SLO 3. Describe methods of decreasing chronic diseases that occur in older adults.	
	SLO 4. Demonstrate knowledge of health care services for older adults.	
GERN 53	PRACTICUM IN SENIOR SERVICES	No SLOs on file.
GERN 54	CONTINUUM OF CARE OPTIONS	No SLOs on file.
GERN 55	ISSUES IN DEATH, DYING & BEREAVEMENT ACROSS CULTURES	No SLOs on file.
GERN 56	AGING & DIVERSITY	No SLOs on file.

40 of 33 Course IDs for *GID* in the Fine Arts and Communication Division have SLO's. 2009-2010

Course ID	Title	SLO's
GID 1	HISTORY OF GRAPHIC DESIGN	
	SLO 1. Analyze visual communication in historical and cultural context.	
	SLO 2. Interpret images, symbols and typography.	
GID 20	DIGITAL VIDEO PRODUCTION I	No SLOs on file.
GID 30	PAPER ARTS I	
	SLO 1. Demonstrate knowledge of various traditions, processes, characteristics and applications of paper	
	SLO 2. Construct basic western papermaking equipment and demonstrate safe and environmentally responsible uses	

- GID 32 T-SHIRT DESIGN & GARMENT PRINTING
SLO 1. Demonstrate an understanding of the function of communication design and personal expression in garment printing.
SLO 2. Demonstrate an understanding of the preparation of artwork for garment printing.
- GID 38 PRINT ARTS I
SLO 1. Demonstrate use of the tools and techniques associated with a variety of print mediums, including relief (woodcut, linoleum block, intaglio (etching), stencil (screenprint) and monoprinting processes.
SLO 2. Understand the process involved in developing images in an "indirect" medium as demonstrated by making prints.
- GID 39 PRINTMAKING II
SLO 1. Demonstrate use of the tools and techniques to make fine art prints including relief (woodcut, linoleum block, photopolymer plates), intaglio (etching), stencil (screenprint) and paper plate lithographic processes (lithography).
SLO 2. Understand the process involved in developing images using hand processes and photographic processes as demonstrated by making prints.
- GID 40 DIGITAL PRINTMAKING
SLO 1. Demonstrate an understanding of the language of fine art printmaking and digital media.
SLO 2. Demonstrate a working knowledge of digital media computer software and print output devices.
- GID 42 BEGINNING ETCHING
SLO 1. Demonstrate foundation skills in producing images on plates and printing them.
SLO 2. Produce uniform multiples, to mat, document and present work in proper portfolio form.
- GID 44 BEGINNING RELIEF PRINTMAKING
SLO 1. Demonstrate foundation skills in producing relief images on plates.
SLO 2. Demonstrate foundation skills in hand printing and press printing relief plates.
- GID 46 BEGINNING SCREENPRINTING
SLO 1. Identify the principles of graphic reproduction and screenprinting.
SLO 2. Produce a controlled edition of prints.
- GID 48 MONOPRINTING
SLO 1. Define monoprint and monotypes.
SLO 2. Create monoprints.
- GID 50 GRAPHIC DESIGN STUDIO I
SLO 1. Identifies elements of visual language (negative shape, balance, color, focal point, typography) in graphic design work that may include advertising, logo design, poster design, business cards and brochures.
SLO 2. Demonstrates technical and expressive fluency in industry-standard software applications.
- GID 51 GRAPHIC DESIGN STUDIO II
SLO 1. Produces rough sketches and tight comprehensive layouts using appropriate tools and technology.
SLO 2. Demonstrates effective use of page layout software to visually communicate ideas and information.
- GID 52 GRAPHIC DESIGN STUDIO III
SLO 1. Construct complex design pieces on a professional level.
SLO 2. Demonstrate an understanding of the pre-press production process

GID 76	ILLUSTRATION & DIGITAL IMAGING
	SLO 1. Create illustrations that communicate the content of an editorial or narrative of a story. SLO 2. Effectively use painting and drawing tools to visually communicate ideas and information.
GID 80	DIGITAL SOUND, VIDEO & ANIMATION
	SLO 1. Demonstrate an awareness of elements of time-based media. SLO 2. Applies basic video editing in iMovie or Moviemaker. Composes original soundtracks in Audacity or ProTools. Applies complex video editing techniques in Adobe Premiere or Final Cut Pro. Produces a web video.
GID 84	MOTION GRAPHICS
	SLO 1. Demonstrate an awareness of the language and characteristics of motion graphics. SLO 2. Demonstrate a working knowledge of digital media computer software.
GID 90	BOOK ARTS I
	SLO 1. Construct and bind books with various bindings styles including: stab binding, coptic binding, accordion/concertina binding and box/portfolio construction. SLO 2. Produce content for books.
GID 91	BOOK ARTS II
	SLO 1. Plan, develop and construct books using materials, media and presentation suitable to the books content. SLO 2. Demonstrate an understanding of design, layout and typography in book arts.
GID 92	LETTERPRESS PRINTING
	SLO 1. Define their own visual communication projects. SLO 2. Demonstrate an understanding of the design process: information gathering, idea generation, concept development and distribution.
GID 93	LETTERPRESS PROJECTS
	SLO 1. Create letterpress prints using a printing press. SLO 2. Evaluate the content, form and technique of works created using letterpress printing.
GID 94	BOOK ARTS PROFESSIONAL PRACTICES
	SLO 1. Participate in the functions of a book arts organization. SLO 2. Help plan, organize and participate in public book arts educational events.
GID 95	GRAPHIC ARTS STUDIO PROJECTS
	SLO 1. Demonstrate an understanding of the design process: information gathering, idea generation, concept development and distribution. SLO 2. Demonstrate an understanding the design and publishing process by successfully publishing a document.

22 of 21 Course IDs for *HIST* in the Business and Social Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
HIST 4A	HISTORY OF WESTERN CIVILIZATION TO 800 AD	
	SLO 1. The Student will be able to: Synthesize and analyze the major themes and patterns of the ancient world - in writing	
	ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility	
	SLO 2. The Student will be able to: Recognize and assess the reach, significance and impact of individuals on the course of history - in writing.	

- ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
SLO 3. Not Applicable

- HIST 4B HISTORY OF WESTERN CIVILIZATION: 700-1800
SLO 1. Synthesize and analyze the major themes and patterns of the Middle Period of Western Civilization in writing.
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Recognize and assess the impact of individuals on the course of history in writing.
ILO 2. 1. Communication
- HIST 4C HISTORY OF WESTERN CIVILIZATION 1789-PRESENT
SLO 1. The Student will be able to: Synthesize and analyze the major themes and/or patterns of a specific historical period in modern western civilization – in writing
ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
SLO 2. The Student will be able to: Apply principles of critical thinking to a recognition of, causation determination of, and a sensitivity to the issue of the historical continuity of human violence and abuse in western civilization since 1800.
ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
SLO 3. The Student will be able to: Critically examine the necessary and sufficient causes of an historical event or development and its major impacts
ILO 3. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
SLO 4. The Student will be able to: Recognize and assess the impact of individuals on the course of history
ILO 4. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
SLO 5. The Student will be able to: Analyze the development of the major political, social, and economic movements and ideologies of the 19th and 20th centuries, including their positive and negative impacts
ILO 5. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- HIST 4CH HONORS HISTORY OF WESTERN CIVILIZATION
SLO 1. The Student will be able to: Using developed research findings on an assigned country or theme, students analyze and synthesize background, challenges, impact, and educated judgments.
SLO 2. The Student will be able to: Focusing on major analysis areas, students will be able to identify and critically assess the major challenges, themes and new problems in a specified region during a designated time period – in writing
SLO 3. The Student will be able to: Move from seeking answers to creating mature historical questions based on research and analysis – in writing.
- HIST 8 HISTORY OF LATIN AMERICA
SLO 1. Analyze the impact of colonialism and imperialism on Latin America.
SLO 2. Determine and analyze the major themes and patterns in the history of Latin America.
- HIST 9 HISTORY OF CONTEMPORARY EUROPE
SLO 1. The Student will be able to: Create and deliver to class a researched and evaluative examination of an assigned country or theme by lecture or shared paper.
ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
SLO 2. The Student will be able to: Recognize and assess the impact of individuals on the course of history - in writing.
ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 3. The Student will be able to: Critically assess the challenges of Post WWII and the impact on contemporary Europe – in writing

ILO 3. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

HIST 9H HONORS HISTORY OF CONTEMPORARY EUROPE

SLO 1. The Student will be able to: Create and deliver to seminar participants a researched and evaluative examination of an assigned country or theme by lecture or shared paper.

SLO 2. The Student will be able to: Critically assess the challenges of 20th Century Europe and complimentary areas, and the impact on those areas today – in writing

SLO 3. The Student will be able to: Recognize and assess the impact of individuals on the course of history - in writing.

HIST 10 HISTORY OF CALIFORNIA: THE MULTICULTURAL STATE

SLO 1. Demonstrate factual knowledge of important public figures, social, economic, cultural, political and intellectual developments in California history.

ILO 1. 4. Community/global consciousness and responsibility

SLO 2. Develop a historical analysis and support it using details and examples.

ILO 2. 1. Communication

SLO 3. Relate important historical events and patterns to current events and patterns and identify significant similarities and differences

ILO 3. 2. Creative, critical and analytical thinking

HIST 15 HISTORY OF MEXICO

SLO 1. Demonstrate factual knowledge of important public figures, social, economic, cultural, political and intellectual developments in Mexican history.

SLO 2. Develop a historical analysis and support it using details and examples.

SLO 3. Relate important historical events and patterns to current events and patterns and identify significant similarities and differences

HIST 16 INTRODUCTION TO ANCIENT ROME

SLO 1. The Student will be able to:

Create and deliver to seminar participants a researched and evaluative examination of an assigned individual, group of individuals, or theme by lecture or shared paper.

SLO 2. The Student will be able to: Recognize and assess the impact of individuals on the course of history - in writing.

SLO 3. The Student will be able to: Synthesize and analyze the major themes and patterns of Ancient Rome - in writing.

SLO 4. The Student will be able to : Critically assess the legacy, heritage, impact of the Roman Empire.

HIST 16H HONORS INTRODUCTION TO ANCIENT ROME

SLO 1. The Student will be able to: create and deliver to seminar participants a researched and evaluative examination of an assigned person, group of persons, or theme by lecture or shared paper.

SLO 2. The Student will be able to: recognize and assess the impact of individuals on the course of history - in writing.

SLO 3. The Student will be able to: critically assess the legacy, heritage, impact of the Roman Empire.

SLO 4. The Student will be able to: synthesize and analyze the major themes and patterns of Ancient Rome - in writing.

HIST 17A HISTORY OF THE UNITED STATES TO 1816

SLO 1. Demonstrate factual knowledge of important public figures, social, economic, cultural, political and intellectual developments in early American history.

- ILO 1. 4. Community/global consciousness and responsibility
 SLO 2. Develop a historical analysis and support it using details and examples.
 ILO 2. 1. Communication
 SLO 3. Relate important historical events and patterns to current events and patterns and identify significant similarities and differences
 ILO 3. 2. Creative, critical and analytical thinking
- HIST 17B HISTORY OF THE UNITED STATES FROM 1812 TO 1914
 SLO 1. Demonstrate factual knowledge of important public figures, social, economic, cultural, political and intellectual developments in 19th century United States history.
 ILO 1. 4. Community/global consciousness and responsibility
 SLO 2. Develop a historical analysis and support it using details and examples.
 ILO 2. 1. Communication
 SLO 3. Relate important historical events and patterns to current events and patterns and identify significant similarities and differences
 ILO 3. 2. Creative, critical and analytical thinking
- HIST 17C HISTORY OF THE UNITED STATES FROM 1900 TO THE PRESENT
 SLO 1. Demonstrate factual knowledge of important public figures, social, economic, cultural, political and intellectual developments in 20th century United States history
 ILO 1. 4. Community/global consciousness and responsibility
 SLO 2. Develop a historical analysis and support it using details and examples
 ILO 2. 1. Communication
 SLO 3. Relate important historical events and patterns to current events and patterns and identify significant similarities and differences
 ILO 3. 2. Creative, critical and analytical thinking
- HIST 18 INTRODUCTION TO MIDDLE EASTERN CIVILIZATION
 SLO 1. Analyze and explain the role of Islam in the development of culture and politics in the Middle East.
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Discuss and explain patterns and themes (general and discrete) within the Middle East.
 ILO 2. 1. Communication
- HIST 20 HISTORY OF RUSSIA & THE SOVIET UNION
 SLO 1. Analyze the rise of Russia from a tribal society to a world power.
 ILO 1. 4. Community/global consciousness and responsibility
 SLO 2. Identify and assess the most significant themes in Russian history, focusing on culture, politics, and religion.
 ILO 2. 2. Creative, critical and analytical thinking
 SLO 3. Evaluate the role of the individual in the history of Russia.
 ILO 3. 1. Communication
- HIST 34H HONORS INSTITUTE SEMINAR IN HISTORY
 SLO 1. Acquire an understanding of critical events in the past 100 years of American History by intensive reading in selected topics.
 SLO 2. Acquire analytic skills by discussing contrasting historical judgments drawn from many sources of writings by prominent historians and essayists on controversial topics of the past 100 years.
- HIST 36 SPECIAL PROJECTS IN HISTORY

- SLO 1. (NOTE: For Special Projects, there is no need to force a writing strategy. Can be oral, or a volunteer project)
SLO – The student will be able to:
SLO 1: From a critical thinking focus, assess complexities and patterns of issue/project covered with instructor and other students – if appropriate.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. SLO 2: Improve mature research and/or information gathering ability.
ILO 2. 2. Creative, critical and analytical thinking
- SLO 3. SLO 3: Achieve enhanced analytical abilities and include the importance of the topic to the discipline.
ILO 3. 2. Creative, critical and analytical thinking

HIST 36X SPECIAL PROJECTS IN HISTORY

- SLO 1. (NOTE: For Special Projects, there is no need to force a writing strategy. Can be oral, or a volunteer project)
SLO – The student will be able to:
SLO 1: From a critical thinking focus, assess complexities and patterns of issue/project covered with instructor and other students – if appropriate.
- SLO 2. SLO 2: Improve mature research and/or information gathering ability.
- SLO 3. SLO 3: Achieve enhanced analytical abilities and include the importance of the topic to the discipline.

HIST 36Y SPECIAL PROJECTS IN HISTORY

- SLO 1. (NOTE: For Special Projects, there is no need to force a writing strategy. Can be oral, or a volunteer project)
SLO – The student will be able to:
SLO 1: From a critical thinking focus, assess complexities and patterns of issue/project covered with instructor and other students – if appropriate
- SLO 2. SLO 2: Improve mature research and/or information gathering ability.
- SLO 3. SLO 3: Achieve enhanced analytical abilities and include the importance of the topic to the discipline.

HIST 36Z SPECIAL PROJECTS IN HISTORY

- SLO 1. (NOTE: For Special Projects, there is no need to force a writing strategy. Can be oral, or a volunteer project)
SLO – The student will be able to:
SLO 1: From a critical thinking focus, assess complexities and patterns of issue/project covered with instructor and other students – if appropriate.
- SLO 2. SLO 2: Improve mature research and/or information gathering ability.
- SLO 3. SLO 3: Achieve enhanced analytical abilities and include the importance of the topic to the discipline.

2 of 2 Course IDs for *HLTH* in the Biological and Health Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
HLTH 21	HEALTH EDUCATION	<ul style="list-style-type: none"> SLO 1. Assess health behavior choices, apply that information to everyday life for the improvement of individual, family, and community well-being. ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility SLO 2. Identify preconceived ideas about knowledge, values, and behavior that affect health and compare with established research and accepted scientific evidence. ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

HLTH 55 EMERGENCY RESPONSE No SLOs on file.

52 of 52 Course IDs for *HORT* in the Biological and Health Sciences Division 2009-2010
have SLO's.

Course ID	Title	SLO's
HORT 10	ENVIRONMENTAL HORTICULTURE & THE URBAN LANDSCAPE	SLO 1. student will describe scientific method SLO 2. demonstrate knowledge of the impact of urban activities on environmental systems
HORT 50A	ORIENTATION TO ENVIRONMENTAL HORTICULTURE	SLO 1. demonstrate knowledge of career opportunities in the green industry through written examinations. SLO 2. demonstrate knowledge of the environmental horticulture sciences, including plant terminology, on written examinations.
HORT 51A	PLANT MATERIALS I	SLO 1. Identify trees presented by botanical and common names. SLO 2. Compare and contrast tree features and cultural need.
HORT 51B	PLANT MATERIALS II	SLO 1. Identify shrubs presented by botanical and common names. SLO 2. Compare and contrast shrub features and cultural need.
HORT 51C	PLANT MATERIALS: ANNUALS	SLO 1. Identify annuals presented by botanical and common names. SLO 2. Compare and contrast annuals features and cultural needs.
HORT 51D	PLANT MATERIALS: CALIFORNIA NATIVE PLANTS	SLO 1. Identify California native plants presented by botanical and common names. SLO 2. Compare and contrast California native plant features and cultural need.
HORT 51E	PLANT MATERIALS: GROUND COVERS & VINES	SLO 1. Identify ground covers and vines presented by botanical and common names. SLO 2. Compare and contrast ground cover and vine features and cultural need.
HORT 51F	PLANT MATERIALS: BAMBOOS & PALMS	SLO 1. Identify bamboos and palms presented by botanical and common names. SLO 2. Compare and contrast bamboo and palm features and cultural need.
HORT 51G	PLANT MATERIALS: INTERIOR & TROPICAL PLANTS	SLO 1. Identify interior and tropical plants presented by botanical and common names. SLO 2. Compare and contrast interior and tropical plant features and cultural need.
HORT 51H	PLANT MATERIALS: PERENNIALS & ANNUALS	SLO 1. Identify perennials and annuals presented by botanical and common names. SLO 2. Compare and contrast perennial and annual features and cultural need.
HORT 51J	PLANT MATERIALS: CACTI & SUCCULENTS	SLO 1. Identify cacti and succulents presented by botanical and common names. SLO 2. Compare and contrast cacti and succulent features and cultural need.
HORT 52A	HORTICULTURAL PRACTICES: SOILS	

- SLO 1. Evaluate a soil by chemical and physical means.
SLO 2. Demonstrate a knowledge of terms and principles of soil chemistry, physics, and commercial management.
- HORT 52B HORTICULTURAL PRACTICES: PLANT PROPAGATION
SLO 1. Demonstrate an understanding of the propagation methods used in commercial plant production.
SLO 2. Identify basic anatomy of various different types of seeds.
- HORT 52C HORTICULTURE PRACTICES: PLANT INSTALLATION & MAINTENANCE
SLO 1. Demonstrate skills required for proper pruning of various species of trees and shrubs.
SLO 2. Plant trees and shrubs.
- HORT 52E HORTICULTURAL PRACTICES: GREENHOUSE & NURSERY MANAGEMENT
SLO 1. Demonstrate skill required to maintain greenhouse and nursery facilities.
SLO 2. Identify major types of growing structures and their respective roles in commercial plant production.
- HORT 52F HORTICULTURAL PRACTICES: INTERIORSCAPING
SLO 1. Select suitable plants for interior environments.
SLO 2. Exhibit an understanding of design principles influencing interiorscaping.
- HORT 52G HORTICULTURAL PRACTICES: TURFGRASS MANAGEMENT
SLO 1. Identify common turf grasses.
SLO 2. Demonstrate methods of installing a lawn by sodding or seeding.
- HORT 52H HORTICULTURE PRACTICES: INTEGRATED PEST MANAGEMENT
SLO 1. Identify various plant diseases, insects, and weeds.
SLO 2. Demonstrate skills in developing integrated pest management plans.
- HORT 54A LANDSCAPE CONSTRUCTION: GENERAL PRACTICES
SLO 1. correctly identify tools used in landscape construction.
SLO 2. demonstrate, on manipulative examinations, the implementation of basic landscape construction projects using a variety of building materials and hardware.
- HORT 54B LANDSCAPE CONSTRUCTION: TECHNICAL PRACTICES
SLO 1. demonstrate, on manipulative examinations, the correct use of surveying tools used in landscape construction projects.
SLO 2. demonstrate, on written examinations, knowledge of estimating techniques used in landscape construction.
- HORT 54C LANDSCAPE CONSTRUCTION: IRRIGATION PRACTICES
SLO 1. identify the parts of an irrigation system (pipes and fittings, sprinkler heads, valves, backflow preventers, drip systems, and controllers).
SLO 2. program an irrigation time clock (controller) correctly.
- HORT 54D LANDSCAPE CONSTRUCTION: APPLIED PRACTICES
SLO 1. Construct specialized and advanced landscape projects.
SLO 2. Operate motorized landscape equipment.
- HORT 55A GREEN INDUSTRY MANAGEMENT: BUSINESS PRACTICES
SLO 1. Discuss common management problems and potential solutions.
SLO 2. Prepare a written business or strategic management plan.

- HORT 55B GREEN INDUSTRY MANAGEMENT: EMPLOYEE PRACTICES
 SLO 1. List activities involved in recruiting and managing employees.
 SLO 2. Demonstrate knowledge of human resource management techniques.
- HORT 60A LANDSCAPE DESIGN: GRAPHIC COMMUNICATION
 SLO 1. demonstrate knowledge of the fundamentals of landscape design communication and landscape design process on class projects.
 SLO 2. develop visual communication "thinking" skills through the completion of a sketchbook.
- HORT 60B LANDSCAPE DESIGN: THEORY
 SLO 1. exhibit an understanding of the elements and principles of landscape design theory through class projects.
 SLO 2. demonstrate knowledge of intermediate graphic communication skills as they relate to landscape design problems through a series of projects.
- HORT 60C LANDSCAPE DESIGN: IRRIGATION
 SLO 1. develop an irrigation plan for a residential or small commercial irrigation system.
 SLO 2. interpret irrigation drawings, details, and specifications.
- HORT 60D LANDSCAPE DESIGN: PLANTING
 SLO 1. demonstrate, through assigned projects, knowledge of planting design as it relates to the aesthetic, cultural, ecological, and functional use of plants in the landscape.
 SLO 2. demonstrate proficiency in creating planting plans for residential landscape projects.
- HORT 60E LANDSCAPE DESIGN: COMPUTER APPLICATIONS
 SLO 1. demonstrate knowledge of landscape design software command skills through development of an appropriate landscape design project.
 SLO 2. utilize the terminology appurtenant to computer aided design software.
- HORT 60F LANDSCAPE DESIGN: PROCESS
 SLO 1. exhibit an understanding of the principles of landscape design process through one or more residential design projects.
 SLO 2. prepare a project timeline and budget.
- HORT 60G LANDSCAPE DESIGN: INTERMEDIATE COMPUTER APPLICATIONS
 SLO 1. Export drawings to printers and external files.
 SLO 2. Produce three-dimensional renderings of designs.
- HORT 80 ENVIRONMENTAL HORTICULTURE SKILLS
 SLO 1. develop horticultural work skills under the guidance of a horticultural unit supervisor for an average of two hours per week.
 SLO 2. explore industry associations and industry contacts for employment opportunities.
- HORT 90A CONTAINER PLANTINGS IN THE LANDSCAPE
 SLO 1. Identify plantings appropriate for container plantings.
 SLO 2. Compare and contrast container plant features and cultural needs.
- HORT 90C GARDEN PONDS & WATER FEATURES No SLOs on file.
 HORT 90E HORTICULTURAL & LANDSCAPE PHOTOGRAPHY
 SLO 1. exhibit a basic understanding of photographic equipment and film use.
 SLO 2. photograph landscapes, construction projects, and landscape designs for portfolio presentation.
- HORT 90F LANDSCAPE DESIGN: BASIC PRINCIPLES

- SLO 1. Demonstrate landscape design skills.
- SLO 2. Exhibit understanding of design theory and process.

HORT 90G LANDSCAPE DESIGN FORUM

- SLO 1. demonstrate the ability to evaluate residential landscape designs.
- SLO 2. exhibit an understanding of advanced topics in landscape design.

HORT 90H LANDSCAPE LIGHTING

- SLO 1. demonstrate practical knowledge of lighting and electrical equipment.
- SLO 2. compare and contrast different lighting systems.

HORT 90I LANDSCAPE SUSTAINABILITY PRACTICES

- SLO 1. Demonstrate skills in developing and maintaining landscapes according to sustainable principles.
- SLO 2. Define approaches to solving landscape and gardening problems by applying ecological principles.

HORT 90K LANDSCAPING WITH EDIBLES

- SLO 1. Identify edible ornamental plants for the landscape.
- SLO 2. Demonstrate the use of edible plants in built landscapes.

HORT 90L PLANT PROPAGATION: BASIC SKILLS

- SLO 1. Exhibit understanding of the basic techniques used in plant propagation.
- SLO 2. Demonstrate ability to utilize various propagation techniques in nursery and greenhouse environments.

HORT 90M PLANT NUTRITION & FERTILIZATION

- SLO 1. Identify nutrient deficiency in plants.
- SLO 2. Select fertilizer for appropriate use.

HORT 90N PLANT MATERIALS: FALL COLOR

- SLO 1. Identify trees by botanical and common names.
- SLO 2. Select plants for landscape use based on esthetic conditions.

HORT 90P PRUNING: BASIC SKILLS

- SLO 1. List basic terms associated with pruning.
- SLO 2. Describe wide variety of methods utilized in pruning plants.

HORT 90Q RESIDENTIAL IRRIGATION SYSTEMS

- SLO 1. demonstrate a basic understanding of irrigation equipment & materials.
- SLO 2. demonstrate the ability to install a residential irrigation system.

HORT 90R SEASONAL FLORAL DESIGN

- SLO 1. master the making of seasonal arrangements such as seasonal centerpieces, fresh and dried wreath making, and evergreen swags.
- SLO 2. create seasonal and holiday decorations.

HORT 90S SUSTAINABLE INTEGRATED PEST MANAGEMENT (IMP)

- SLO 1. Understand the risks of pesticides.
- SLO 2. Integrate pest management controls.

HORT 90U LANDSCAPE DESIGN: PERSPECTIVE SKETCHING

- SLO 1. Select appropriate perspective technique.
- SLO 2. Render landscape elements in perspective.

- HORT 90V SUSTAINABLE ORGANIC GARDENING
 SLO 1. Define principles of organic gardening.
 SLO 2. Analyze gardens to improve sustainability.

- HORT 90X XERISCAPING: CREATING WATER-CONSERVING LANDSCAPES
 SLO 1. Describe characteristics associated with drought tolerant plants.
 SLO 2. Discuss methods of auditing water use in gardens.

- HORT 90Y CACTI & SUCCULENTS
 SLO 1. Identify cacti and succulents presented by botanical and common names.
 SLO 2. Compare and contrast cacti and succulent features and cultural need.

- HORT 90Z ORNAMENTAL GRASSES
 SLO 1. Identify ornamental grasses presented by botanical and common names.
 SLO 2. Compare and contrast ornamental grass features and cultural need.

2 of 6 Course IDs for *HUMN* in the Language Arts Division have SLO's. 2009-2010

Course ID	Title	SLO's
HUMN 1A	HUMANITIES & THE MODERN EXPERIENCE I SLO 1. Explain how the ideas and values of classical Greek culture are manifested in the artistic creations of the time. SLO 2. Analyze how certain Judeo Christian values return in the artistic expressions of the Middle Ages.	
HUMN 1B	HUMANITIES & THE MODERN EXPERIENCE II SLO 1. Explain how stylistic and thematic differences in aesthetic representation between Southern and Northern Renaissance artists reflected the paradigmatic shift brought on by the Reformation. SLO 2. Analyze how philosophical ideas and cultural practices changed during the period of the Enlightenment.	
HUMN 34H	HONORS INSTITUTE SEMINAR IN HUMANITIES	No SLOs on file.
HUMN 36	SPECIAL PROJECTS IN HUMANITIES	No SLOs on file.
HUMN 36X	SPECIAL PROJECTS IN HUMANITIES	No SLOs on file.
HUMN 36Y	SPECIAL PROJECTS IN HUMANITIES	No SLOs on file.

20 of 17 Course IDs for *JAPN* in the Language Arts Division have SLO's. 2009-2010

Course ID	Title	SLO's
JAPN 1	ELEMENTARY JAPANESE I SLO 1. Introduce oneself, greet, ask and answer simple questions related to daily familiar topics. SLO 2. Recognize oral and written messages, and produce sentences, orally and in writing, on the daily familiar topics.	
JAPN 2	ELEMENTARY JAPANESE II SLO 1. Produce sentences, orally and in writing based on daily familiar vocabulary and functions. SLO 2. Describe people and things, and express likes/dislikes.	
JAPN 3	ELEMENTARY JAPANESE III SLO 1. Construct conditional statements, suppositions and comparative/superlative statements.	

- SLO 2.** Summarize and retell stories orally and in writing, including direct and indirect quotations in the past and present tenses.
- JAPN 4 INTERMEDIATE JAPANESE I
- SLO 1.** Demonstrate knowledge of correct language in appropriate situations, i.e., differentiate socio-linguistic features of speech, such as in-group/out-group, intimate/distal, feminine and masculine languages.
- SLO 2.** Construct sentences using idiomatic expressions on various topics beyond daily needs.
- JAPN 5 INTERMEDIATE JAPANESE II
- SLO 1.** Perform with more acceptable ability in differentiating socio-linguistic features of speech. Sustain more lengthy conversations, discussing topics beyond basic needs.
- SLO 2.** Construct sentences using more complex structures and noun modifier clauses.
- JAPN 6 INTERMEDIATE JAPANESE III
- SLO 1.** Demonstrate further competency in correct language usage in different socio-linguistic features of speech, e.g., honorifics, intimate/distal, formal/informal, feminine and masculine languages.
- SLO 2.** Demonstrate skills of exchanging spontaneous and unpredictable conversations. State and support one's opinions.
- JAPN 13A INTERMEDIATE CONVERSATION I
- SLO 1.** Interpret speech of native speakers on general, familiar topics at a normal rate of speech.
- SLO 2.** Express feelings, opinions, and intentions. Argue, evaluate, and request with fluency.
- JAPN 13B INTERMEDIATE CONVERSATION II
- SLO 1.** Interpret speech of native speakers on a wide range of topics at a normal rate of speech.
- SLO 2.** Talk intelligently and accurately about a wide range of topics related to daily life.
- JAPN 14A ADVANCED CONVERSATION I
- SLO 1.** Apply appropriate language and cultural skills in order to be at ease when discussing any topic in an informal manner.
- SLO 2.** Differentiate socio-linguistic features of speech, such as honorifics, in-group/out-group, male/female, and formal/informal.
- JAPN 14B ADVANCED CONVERSATION II
- SLO 1.** Express, support and discuss their opinions and individual perceptive with native speakers, with a high level of fluency on a wide range of topics, in a clearly participatory fashion.
- SLO 2.** Apply advanced skills in expressing cultural messages, and use in an appropriate manner: male/female speech, formal/informal styles, and honorifics (including in-group/out-group terms).
- JAPN 23 MODERN JAPANESE SOCIETY, CULTURE & BUSINESS CUSTOMS
- SLO 1.** Differentiate socio-linguistic features of speech, such as honorifics (respectful and humble forms), "uchi" vs. "soto" (in-group/out-group), male/female speech styles, and formal/informal styles.
- SLO 2.** Apply appropriate language and cultural skills in order to be at ease when discussing various topics related to business.
- JAPN 25A ADVANCED COMPOSITION & READING I
- SLO 1.** Appreciate of human life and current trend by reading and analyzing reading materials on Japanese culture and current issues.
- SLO 2.** Demonstrate further competency in understanding correct language usage in different writing styles. Also demonstrate higher control of appropriate vocabulary, styles, and syntactical structures in writing.

- JAPN 25B ADVANCED COMPOSITION & READING II
SLO 1. Interpret and distinguish subtle nuances and style differences in a wide range of reading materials.
SLO 2. Demonstrate higher control of appropriate vocabulary, styles, and syntactical structures. Also demonstrate more confidence and ability to use correct language and styles for different types of writing.
- JAPN 33 INTRODUCTION TO JAPANESE CULTURE
SLO 1. Contrast concepts and behavior of Japanese culture with comparable aspects of American or Western concepts and behavior.
SLO 2. Analyze textual examples of the manifestation of Zen and Confucian concepts.
- JAPN 53 MODERN JAPANESE SOCIETY, CULTURE & BUSINESS CUSTOMS No SLOs on file.
 JAPN 63 JAPANESE BUSINESS CULTURE & ETIQUETTE No SLOs on file.
 JAPN 192 COMMUNITY SERVICE LEARNING FOR JAPANESE
SLO 1. Demonstrate effective tutoring skills, including cross-cultural communication.
SLO 2. Demonstrate effective reporting techniques.

44 of 27 Course IDs for *JRYM* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
JRYM 100	BUILDING TRADES TEACHER DEVELOPMENT	No SLOs on file.
JRYM 101A	BASIC ELECTRICITY FOR SHEET METAL AIR CONDITIONING SERVICE SLO 1. Describe the difference between AC and DC electrical current SLO 2. Explain and safely measure voltage, amperage and ohms	
JRYM 101B	ADVANCED ELECTRICITY FOR SHEET METAL AIR CONDITIONING SERVICE SLO 1. Explanation of induction principle used in transformers SLO 2. Fabricate, wire and test a basic HVAC control circuit	
JRYM 102A	BASIC REFRIDGERATION FOR SHEET METAL AIR CONDITIONING SERVICE SLO 1. Describe refrigeration evacuation service equipment and their use SLO 2. Diagnose refrigerant leaks SLO 3. Locate and correct cooling problems	
JRYM 102B	ADVANCED REFRIDGERATION FOR SHEET METAL AIR CONDITIONING SERVICE SLO 1. Demonstrate the use of refrigeration gauges SLO 2. Describe and use high vacuum evacuation equipment in a refrigeration circuit	
JRYM 103A	PROPERTIES OF AIR DISTRIBUTION FOR SHEET METAL AIR CONDITIONING SERVICE SLO 1. Use a psychrometric chart to plot air conditioning processes SLO 2. Define the relationship between air volume and air pressure in HVAC systems	
JRYM 103B	REFRIDGERATION THEORY FOR SHEET METAL AIR CONDITIONING SERVICE SLO 1. Charge a refrigerant system using three methods: weight, subcooling and superheat	

SLO 2. Explain how the refrigeration cycle is reversed in a heat pump

- JRYM 104 SHEET METAL JOURNEY LEVEL UPGRADE No SLOs on file.
 JRYM 152A HVAC BASIC SYSTEMS FOR SHEET METAL JOURNEYPersons
 SLO 1. Describe the fundamentals of air conditioning
 SLO 2. Identify various types of HVAC equipment
- JRYM 153A AIR BALANCE TEST EQUIPMENT & INSTRUMENTS FOR JOURNEYPersons (FIRST YEAR)
 SLO 1. Explain the operation of testing, adjusting and balancing of HVAC systems
 SLO 2. Explain and demonstrate general procedures for use of test and balance instruments
- JRYM 153B TEMPERATURE MEASUREMENT INSTRUMENTS & DUCT SYSTEMS FOR JOURNEYPersons (FIRST YEAR)
 SLO 1. Correctly complete an air balance report
 SLO 2. Identify common fan types used with duct systems
- JRYM 154 RECIPROCATING REFRIGERATION
 SLO 1. Identify refrigeration system control equipment
 SLO 2. Identify the functions of evaporators and compressors
- JRYM 155A BASIC ELECTRICITY FOR SHEET METAL A/C SERVICE
 SLO 1. Describe the difference between AC and DC electrical current
 SLO 2. Explain and safely measure voltage, amperage and ohms
- JRYM 157 HAZARDOUS MATERIALS TRAINING FOR THE TRADES
 SLO 1. Interpret MSDS (Material Safety Data Sheets)
 SLO 2. Define the California Injury Illness Prevention Program
- JRYM 158 HAZARDOUS MATERIALS RECERTIFICATION FOR THE TRADES
 SLO 1. Define the California Injury Illness Prevention Program
 SLO 2. Obtain recertification for hazardous materials management
- JRYM 165 PRE-APPRENTICE INTRODUCTION TO SHEET METAL
 SLO 1. Identify tools, materials and equipment of the sheet metal trade
 SLO 2. Apply basic skills in drafting, trade math and safety
- JRYM 166A MARINE SHEET METAL TRAINING I FOR NON-APPRENTICES
 SLO 1. Identify shipyard abbreviations and terminology
 SLO 2. Produce a simple mechanical drawing with basic orthographic views
- JRYM 166B MARINE SHEET METAL TRAINING FOR NON-APPRENTICES II
 SLO 1. Fabricate a square to square transition
 SLO 2. Apply the 'triangulation' pattern development method
- JRYM 168A JOURNEYLEVEL DIGITAL SYSTEMS I
 SLO 1. Demonstrate an understanding of temperature, pressure, flow and volume sensors in a DDC (Direct Digital Control) systems
 SLO 2. Develop sequence of operation for a basic DDC system
- JRYM 168B JOURNEYLEVEL DIGITAL SYSTEMS II
 SLO 1. Program the sequence of operation for a basic DDC (Direct Digital Controls) system
 SLO 2. Analyze data inputs from sensors in a basic DDC system

- JRYM 169A FIELD MEASUREMENT & LAYOUT FOR SHEET METAL JOURNEYMEN I
 SLO 1. Demonstrate field measuring and sketching techniques used for shop fabrication and installation
 SLO 2. Interpret the communication system used for fabrication (symbols, shop parameters and conventions, abbreviations, bend directions)

- JRYM 170A ADVANCED SHEET METAL SERVICE I
 SLO 1. Prepare an assessment outline of an existing HVAC system
 SLO 2. Diagnose HVAC system performance using test instruments

- JRYM 170B ADVANCED SHEET METAL SERVICE II
 SLO 1. Propose recommendations for improved energy efficiency of an HVAC system
 SLO 2. Measure the results of energy saving improvements to an HVAC system

- JRYM 172A ELECTRICAL SYSTEM OPERATION, CONTROLS & DEVICES FOR JOURNEYPersons (SECOND YEAR)
 SLO 1. Read and interpret plans and specifications
 SLO 2. Describe lockout-tagout procedure for electrical equipment and controls

- JRYM 172B HVAC TESTING & BALANCING PROCEDURES FOR JOURNEYPersons (SECOND YEAR)
 SLO 1. Demonstrate proper procedures for balancing of HVAC air systems
 SLO 2. Demonstrate proper procedures for balancing of HVAC hydronic systems

- JRYM 173A AIR DISTRIBUTION & MANUFACTURING SYSTEMS FOR JOURNEYPersons (THIRD YEAR)
 SLO 1. Identify and explain various pneumatic control systems
 SLO 2. Identify and compare direct digital control systems

- JRYM 173B SYSTEMS INSTALLATION & TROUBLESHOOTING FOR JOURNEYPersons (THIRD YEAR)
 SLO 1. Calibrate pneumatic control systems
 SLO 2. Adjust direct digital control systems

0 of 7 Course IDs for *L A* in the Language Arts Division have SLO's. 2009-2010

3 of 1 Course IDs for *LIBR* in the Language Arts Division have SLO's. 2009-2010

Course ID	Title	SLO's
LIBR 10	RESEARCH PAPER SEARCH STRATEGIES	No SLOs on file.

104 of 90 Course IDs for *LINC* in the Computers, Technology & Information Systems Division have SLO's. 2009-2010

Course ID	Title	SLO's
LINC 50	TECHNOLOGY IN THE K-12 CLASSROOM I	
	SLO 1. Utilize web-based tools for finding resources for teaching and learning	
	SLO 2. Utilize common software applications for effective communication	
	SLO 3. Interpret and discriminate information delivered on the Internet	

- SLO 4. Utilize online collaboration tools to facilitate learning
- SLO 5. Demonstrate competence with classroom-based audio/visual hardware
- SLO 6. Manage the use of technology for project work in the classroom
- SLO 7. Develop a lesson plan that incorporates the use of technology
- SLO 8. Develop complex projects that utilize multiple technologies and modes of communication

LINC 50A TECHNOLOGY IN THE K-12 CLASSROOM II

- SLO 1. Utilize web-based tools for finding resources for teaching and learning
- SLO 2. Utilize common software applications for effective communication
- SLO 3. Interpret and discriminate information delivered on the Internet

LINC 50B TECHNOLOGY IN THE K-12 CLASSROOM III

- SLO 1. Demonstrate competence with classroom-based audio/visual hardware
- SLO 2. Manage the use of technology for project work in the classroom
- SLO 3. Develop a lesson plan that incorporates the use of technology

LINC 50F INTEGRATING TECHNOLOGY INTO A STANDARDS-BASED CURRICULUM I

- SLO 1. Summarize the goal of the ISTE Technology Standards
- SLO 2. Describe project based learning
- SLO 3. Describe the changing nature of what is taught and how it is taught in the classroom
- SLO 4. Integrate technology tools into the classroom
- SLO 5. Design a student project that meets technology standards
- SLO 6. Integrate a standards-based student-centered technology project into the classroom
- SLO 7. Design assessment tools for projects
- SLO 8. Explain techniques on how to teach students to mine Internet resources safely and effectively

LINC 51 INTEGRATING TECHNOLOGY INTO LANGUAGE ARTS

- SLO 1. Explain the theoretical and research basis of using technology in the language arts curriculum
- SLO 2. Identify and evaluate technology tools for use in the language arts
- SLO 3. Implement a standards based student-centered lesson, assignment or project that uses technology as a logical learning tool into the classroom
- SLO 4. Manage language arts projects using technology
- SLO 5. Design assessment tools for lessons, assignments or projects
- SLO 6. Integrate technology into the language arts curriculum

LINC 51A INTEGRATING TECHNOLOGY INTO LANGUAGE ARTS K-5

- SLO 1. Explain the theoretical and research basis of using technology in the language arts curriculum
- SLO 2. Identify and evaluate technology tools for use in the language arts
- SLO 3. Implement a standards based student-centered lesson, assignment or project that uses technology as a logical learning tool into the classroom

LINC 51B INTEGRATING TECHNOLOGY INTO LANGUAGE ARTS 6-8

- SLO 1. Design assessment tools for lessons, assignments or projects
- SLO 2. Integrate technology into the language arts curriculum

LINC 52 INTEGRATING TECHNOLOGY INTO SCIENCE

- SLO 1. 1. Discuss and explain the uses and applications of information and computer technology (ICT) in K-12 science education.
- SLO 2. 2. Collect and analyze data, and report findings from inquiry-based science experiences with the aid of ICT.
- SLO 3. 3. Identify ways in which ICT can support and enhance science knowledge acquisition and expression by learners

- SLO 4. 4. Design science webquests, and employ digital imaging and video for teaching science
- SLO 5. 5. Comprehend and apply the guided-inquiry supporting multiple literacies (GISML) approach to science instruction
- SLO 6. 6. Design science lesson plans that incorporate the use of ICT by both teachers and learners.

LINC 52A INTEGRATING TECHNOLOGY INTO SCIENCE K-5

- SLO 1. 1. Discuss and explain the uses and applications of information and computer technology (ICT) in K-12 science education.
- SLO 2. 2. Identify ways in which ICT can support and enhance science knowledge acquisition and expression of knowledge by learners
- SLO 3. 3. Design science webquests, and employ digital imaging and video for teaching science

LINC 52B INTEGRATING TECHNOLOGY INTO SCIENCE 6-8

- SLO 1. 1. Design science webquests, and employ digital imaging and video for teaching science
- SLO 2. 2. Comprehend and apply the guided-inquiry supporting multiple literacies (GISML) approach to science instruction
- SLO 3. 3. Design science lesson plans that incorporate the use of ICT by both teachers and learners.

LINC 53 INTEGRATING TECHNOLOGY INTO MATHEMATICS

- SLO 1. 1. Discuss and explain the uses and applications of information and computer technology (ICT) in K-12 mathematics education
- SLO 2. 2. Identify ways in which ICT can support and enhance mathematical knowledge acquisition and expression by learners
- SLO 3. 3. Employ calculators, virtual manipulatives and spreadsheet programs to solve math problems and engage in mathematical reasoning
- SLO 4. 4. Design math lesson plans that incorporate the use of ICT by both teachers and learners

LINC 53A INTEGRATING TECHNOLOGY INTO MATHEMATICS K-5

- SLO 1. 1. Discuss and explain the uses and applications of information and computer technology (ICT) in K-12 mathematics education
- SLO 2. 2. Employ calculators, virtual manipulatives and spreadsheet programs to solve math problems and engage in mathematical reasoning

LINC 53B INTEGRATING TECHNOLOGY INTO MATHEMATICS 6-8

- SLO 1. 1. Identify ways in which ICT can support and enhance mathematical knowledge acquisition and expression by learners
- SLO 2. 2. Design math lesson plans that incorporate the use of ICT by both teachers and learners

LINC 54 INTEGRATING TECHNOLOGY INTO SOCIAL STUDIES

- SLO 1. 1. Describe the advantages and disadvantages of educational technology use in the curriculum from the viewpoints of the learner, teacher, and school administration.
- SLO 2. 2. Distinguish when and how technology tools can be effectively integrated into the social studies classroom
- SLO 3. 3. Design a social studies lesson in which the use of technology for both teacher and student will help deepen student learning.

LINC 54A INTEGRATING TECHNOLOGY INTO SOCIAL STUDIES K-12

- SLO 1. 1. Distinguish when and how technology tools can be effectively integrated into the social studies classroom
- SLO 2. 2. Design a social studies lesson in which the use of technology will help deepen student learning

LINC 54B INTEGRATING TECHNOLOGY INTO SOCIAL STUDIES 6-8

SLO 1. 1.Distinguish when and how technology tools can be effectively integrated into the social studies classroom

SLO 2. 2.Design a social studies lesson in which the use of technology will help deepen student learning

LINC 55B TEACHING MATH & SCIENCE WITH TECHNOLOGY

SLO 1. 1. Develop deeper knowledge of the content and processes of science and math.

SLO 2. 2. apply practical strategies for teaching science and math using inquiry, investigation and project based learning.

SLO 3. 3. Compare and contrast the different educational technology tools for teaching and learning math and science.

SLO 4. 4. Design and develop a lesson plan that effectively uses technology to teach and learn math and science.

LINC 58 GLOBAL PROJECT-BASED LEARNING

SLO 1. 1. Define project based learning including history, terminology, components, uses

SLO 2. 2. Identify exemplary examples of internet based PBL including best practices, design

SLO 3. 3. Create project-based standards and curriculum that maximize the power of the Internet

SLO 4. 4. Connect and collaborate with other teachers around the world to plan and implement projects

SLO 5. 5. Design and develop a collaborative PBL project plan with 1-2 other teachers

SLO 6. 6. Implement the PBL project

LINC 58A E-PORTFOLIOS

SLO 1. 1. Define eportfolios and describe differences with portfolios using criteria such as, level of difficulty to create, intended audience, format, ease of use, portability, longevity/archivability, and ease of updating.

SLO 2. 2.explain the purpose and significance of the digital portfolios in relation to learning

SLO 3. 3.design and develop an eportfolio plan that requires students to analyze and reflect on their own learning

SLO 4. 4.compare and validate effective and appropriate tools for eportfolios

LINC 58B CHOOSING THE BEST MEDIA FOR PROJECTS

SLO 1. 1. Define learning goals and objectives for a student selected project.

SLO 2. 2. Define media and it's appropriate application to teaching and learning

SLO 3. 1.demonstrate how to match learning goals to the best technology tool

SLO 4. 2.become familiar with some software applications and their use

SLO 5. 3.analyze whether or not the tech tool enhances student learning

SLO 6. 4.discuss research on how technology can be best used to improve students' higher order thinking skills

SLO 7. 5.develop formative and summative assessment strategies for students' multimedia projects

LINC 60K GAME-BASED LEARNING

SLO 1. 1. Define the advantages and disadvantages of games and game-based learning for different learning groups, such as elementary, middle school, high school, college, and adult professional.

SLO 2. 2.Explore and identify games and simulations that might be integrated into the curriculum

SLO 3. 3.Explore strategies for using existing games and creating games for teaching and learning.

SLO 4. 4. Create content-based games using applications like Scratch or Stagecast Creator.

SLO 5. 5. Design lesson plans in which students create content-based games.

LINC 61A MICROSOFT OFFICE

SLO 1. Describe the basic features of Microsoft Office

SLO 2. Demonstrate how to use Microsoft Word to create a simple word processing document

- SLO 3. Demonstrate how to use Microsoft Excel for classroom management and student use
- SLO 4. Demonstrate how to use Microsoft PowerPoint to create a slide show presentation using templates
- SLO 5. Learn how to use combined features to produce classroom materials

LINC 61C IWORK I

- SLO 1. Describe the basic features of iWork applications
- SLO 2. Create a basic presentation and use themes using Keynote
- SLO 3. Create a document with text and images using Pages

LINC 62 MICROSOFT WORD I

- SLO 1. 1. Explain terminology associated with word processing.
- SLO 2. 2. Demonstrate how to create, save, and print a file.
- SLO 3. 3. Demonstrate MS Word editing and formatting techniques such as changing font color, style, and size.
- SLO 4. 4. Create and use tables

LINC 62A MICROSOFT WORD II

- SLO 1. 1. Explain terminology and functions associated with word processing.
- SLO 2. 2. create, save, and print a file
- SLO 3. 3. Use common editing and formatting techniques for text, paragraphs, page layout
- SLO 4. 4. use of MS Word tools such as Thesaurus and Spelling & Grammar Checker.

LINC 62B MICROSOFT WORD III

- SLO 1. 1. Manage data in lists
- SLO 2. 2. Customize tables and charts
- SLO 3. 3. Customize formatting
- SLO 4. 4. Work with custom styles
- SLO 5. 5. Modify pictures in a document
- SLO 6. 6. Create customized graphic elements
- SLO 7. 7. Control text flow

LINC 63 MICROSOFT EXCEL OVERVIEW

- SLO 1. 1. Identify key elements of and describe an electronic spreadsheet
- SLO 2. 2. Explain the purpose of an electronic spreadsheet and Excel's capabilities
- SLO 3. 3. Explore the worksheet using the mouse and keyboard
- SLO 4. 4. Save and close a workbook
- SLO 5. 5. Build, edit, format worksheets
- SLO 6. 6. Create and format charts
- SLO 7. 7. Write formulas and use functions

LINC 63A MICROSOFT EXCEL I

- SLO 1. 1. Identify key elements of and describe purpose of an electronic spreadsheet
- SLO 2. 2. Open, Save, format a workbook
- SLO 3. 3. Build, edit, format worksheets

LINC 63B MICROSOFT EXCEL II

- SLO 1. 1. Automate worksheet tasks with macros
- SLO 2. 2. Analyze data using formulas
- SLO 3. 3. Utilize Microsoft Excel software to manage classroom data

LINC 64 MICROSOFT POWERPOINT

- SLO 1. 1. Explain and use terminology associated with PowerPoint presentation software.
- SLO 2. 2. Create a PowerPoint presentation from a template
- SLO 3. 3. Create, modify, and format text boxes

- SLO 4.4. Import images and sound
- SLO 5.5. Use the slide sorter
- SLO 6.6. View the slide show
- SLO 7.7. animate objects and create slide transitions
- SLO 8.8. use the hyperlink and button features to navigate within PowerPoint and to external documents.
- SLO 9.9. Modify the slide master

LINC 66 INTRODUCTION TO THE INTERNET

- SLO 1.1. Identify the basics of the hardware and software required to access the Internet
- SLO 2.2. Explain basic Internet terminology and anatomy of e-mail and web addresses
- SLO 3.3. Demonstrate procedures for viewing web pages using a web browser such as Firefox, Safari or Internet Explorer.
- SLO 4.4. Read and compose e-mail and view and send attachments using web mail services such as Gmail or e-mail client software such as Microsoft Outlook
- SLO 5.5. Use appropriate "netiquette" and understand ethical, legal, and security issues
- SLO 6.6. Utilize online educational resources
- SLO 7.7. Save and organize a bookmark file of educational websites
- SLO 8.8. Prevent viruses with anti-virus software
- SLO 9.9. Perform effective web searches

LINC 66A INTRODUCTION TO THE INTERNET I

- SLO 1.1. Identify the basics of the hardware and software required to access the Internet
- SLO 2.2. Explain basic Internet terminology
- SLO 3.3. Use web browsers to navigate the Internet
- SLO 4.4. Explain vocabulary and anatomy of e-mail and web addresses
- SLO 5.5. Read and compose e-mail and view and send attachments using web mail services such as Gmail or e-mail client software such as Microsoft Outlook
- SLO 6.6. Use appropriate netiquette, and understand ethical, legal, and security issues
- SLO 7.7. Use online educational resources

LINC 66B INTRODUCTION TO THE INTERNET II

- SLO 1.1. Save and organize a bookmark file of educational websites
- SLO 2.2. Perform effective web searches
- SLO 3.3. Demonstrate ability to read and comment on blog posts; send and receive instant messages; map a location using online map tools; use FTP to send and retrieve files; subscribe to a Listserv and view posts
- SLO 4.4. Explain basic concepts related to ethics, cyberlaw, Internet safety, copyright and fair use issues

LINC 66C SEARCHING & RESEARCHING THE INTERNET FOR EDUCATORS

- SLO 1.1. Use methods and instructional strategies for integrating the Internet into the curriculum that stimulates higher order thinking skills (applying, evaluating, creating)
- SLO 2.2. Use advanced search techniques such as Boolean logic
- SLO 3.3. Explain copyright and citation documentation
- SLO 4.4. Create an Internet treasure hunt, virtual tour or WebQuest
- SLO 5.5. Develop best practices to effectively use the Internet for both teaching and learning
- SLO 6.6. Evaluate Web resources for accuracy, authenticity, and ease of use
- SLO 7.7. Create a Web-based resource (i.e., Wiki, Blog, Web site, Google Site) that identifies the best resources on the Internet for educators and students
- SLO 8.8. Develop a persuasive argument to present to peers about the importance of using the Internet for your own research and to integrate the Internet into your curriculum

LINC 66D PODCASTING

- SLO 1. 1. Explain and use terminology associated with blogging, web syndication, and podcasting
- SLO 2. 2. Set up a blog and write an entry
- SLO 3. 3. View other people's blogs and post a comment
- SLO 4. 4. Use syndication technology to subscribe to a newsfeed in a browser and/or stand-alone application
- SLO 5. 5. configure players to subscribe to and receive podcasts
- SLO 6. 6. record and manipulate digital audio to create a podcast
- SLO 7. 7. incorporate podcasts into blogs and configure the feed subscriptions

LINC 66E INTRODUCTION TO BLOGS & WIKIS

- SLO 1. 1. Explain and use terminology associated with blogging, web syndication, and podcasting.
- SLO 2. 2. Set up a weblog.
- SLO 3. 3. Use syndication technology to subscribe to a newsfeed in a browser and/or stand-alone application.
- SLO 4. 4. configure players to subscribe to and receive podcasts.
- SLO 5. 5. record and manipulate digital audio to create a podcast

LINC 70 WEB PAGE DESIGN OVERVIEW

- SLO 1. 1. Compare and contrast the different purposes of web sites
- SLO 2. 2. Define the Web site for the student's project
- SLO 3. 3. Identify different Web browser technologies, common plug-ins, interactive features
- SLO 4. 4. Identify the best practices of web site design for the intended purpose
- SLO 5. 5. Create storyboards for a Web site
- SLO 6. 6. Identify basic HTML tags
- SLO 7. 7. Identify tools for coding in HTML authoring software
- SLO 8. 8. Develop and organize Web pages for a Web site
- SLO 9. 9. Upload the Web site to a Web server

LINC 70A WEB PAGE DESIGN I

- SLO 1. 1. Compare and contrast the different purposes of web sites
- SLO 2. 2. Identify different Web browser technologies, common plug-ins, interactive features
- SLO 3. 3. Identify the best practices of web site design for the intended purpose
- SLO 4. 4. Identify tools for coding in HTML authoring software
- SLO 5. 5. Develop and organize Web pages for a Web site
- SLO 6. 6. Upload the Web site to a Web server

LINC 70B WEB PAGE DESIGN II

- SLO 1. 1. Define the purpose of the student's Web site project
- SLO 2. 2. Identify the best practices of web site design for the intended purpose
- SLO 3. 3. Create storyboards for a Web site
- SLO 4. 4. Collect or create graphic images to use in Web site
- SLO 5. 5. Identify advanced HTML tags
- SLO 6. 6. Use CSS to design Web pages
- SLO 7. 7. Develop Web pages
- SLO 8. 8. Use site management tools to organize pages
- SLO 9. 9. Test Web site prototype for compatibility with different browsers, platforms, and 503C compliance.
- SLO 10. 10. Publish Web site on Web server

LINC 72A ADOBE ACROBAT I

- SLO 1. 1. Demonstrate how to create PDFs and combine multiple files
- SLO 2. 2. Produce PDFs from many different files and applications
- SLO 3. 3. Perform PDF edits and touch-up

- SLO 4.4. Design forms
- SLO 5.5. Build a PDF portfolio and insert multimedia

LINC 72B INDESIGN OVERVIEW

- SLO 1.1. Identify the InDesign interface: tools, control panel, palettes
- SLO 2.2. Reset work area, customize work area
- SLO 3.3. Set up project work area: margins, columns, page layout, guides and grids
- SLO 4.4. Import and place text and images
- SLO 5.5. Add headers and footers, page numbering
- SLO 6.6. Create single and multiple masters sheets
- SLO 7.7. Demonstrate basic digital Imaging techniques
- SLO 8.8. Manipulate text, format text, use word wrap; set up and apply character, paragraph, object, and nested styles
- SLO 9.9. Create stylized text and image boxes

LINC 72C ADOBE INDESIGN I

- SLO 1.1. Identify the InDesign interface: tools, control panel, palettes
- SLO 2.2. Reset work area, customize work area
- SLO 3.3. Set up project work area: margins, columns, page layout, guides and grids
- SLO 4.4. Import and place text and images
- SLO 5.5. Add headers and footers, page numbering
- SLO 6.6. Create single and multiple masters sheets
- SLO 7.7. Demonstrate basic digital Imaging techniques
- SLO 8.8. Manipulate text, format text, use word wrap; set up and apply character, paragraph, object, and nested styles

LINC 72D ADOBE INDESIGN II

- SLO 1.1. Manipulate text, format text, use word wrap; set up and apply character, paragraph, object, and nested styles
- SLO 2.2. Create stylized text and image boxes
- SLO 3.3. Explain the differences between vectors and bitmaps
- SLO 4.4. Use Pen tools and drawing tools to create illustrations, shapes and lines with strokes and fills
- SLO 5.5. Perform advance features: Construct tables, Manage large documents
- SLO 6.6. Demonstrate Page Layout Design Best Practices
- SLO 7.7. Apply creative typography

LINC 73 ADOBE PHOTOSHOP OVERVIEW

- SLO 1.1. Identify the InDesign interface: tools, control panel, palettes
- SLO 2.2. Reset work area, customize work area
- SLO 3.3. Set up project work area: margins, page layout, guides and grids
- SLO 4.4. Import photos, images, illustrations, and make selections
- SLO 5.5. Perform image adjustments: touch-up images, brighten images, remove unwanted color cast, improve black and white composition, adjust by selection and color
- SLO 6.6. Crop and resize images, canvas
- SLO 7.7. Work with text: use horizontal and vertical type and mask tools
- SLO 8.8. Integrate the character panel and formatting
- SLO 9.9. Work with layers, add layer styles

LINC 73A ADOBE PHOTOSHOP I

- SLO 1.1. Identify the InDesign interface: tools, control panel, palettes
- SLO 2.2. Reset work area, customize work area
- SLO 3.3. Set up project work area: margins, page layout, guides and grids
- SLO 4.4. Import photos, images, illustrations, and make selections

SLO 5.5. Perform image adjustments: touch-up images, brighten images, remove unwanted color cast, improve black and white composition, adjust by selection and color

SLO 6.6. Crop and resize images, canvas

SLO 7.7. Work with text: use horizontal and vertical type and mask tools

LINC 73B ADOBE PHOTOSHOP II

SLO 1.1. Work with layers, add layer styles

SLO 2.2. Draw, paint, work with brushes

SLO 3.3. Work with blend modes, filters, and filter recipes

SLO 4.4. Work with adjustment Layers

SLO 5.5. Perform photomerge and masking techniques

SLO 6.17. Create image publication for print concepts: file types, vector /bitmap, resolution for print

SLO 7.18. Create image optimization for web concepts: file types, vector /bitmap, save for web and devices, resolution for web

LINC 73D ADOBE PHOTOSHOP ELEMENTS OVERVIEW

SLO 1.1. Identify the interface: tools, control panel, palettes

SLO 2.2. Perform basic color corrections

SLO 3.3. Demonstrate selection methods with Selection tools and how to manipulate layers

SLO 4.4. Produce typography with the Type tools

SLO 5.5. Paint with the paint tools, brushes, patterns and swatches

SLO 6.6. Fix or enhance damaged images with Photo Touch-up tools

LINC 73E ADOBE PHOTOSHOP ELEMENTS I

SLO 1.1. Identify the interface: tools, control panel, palettes

SLO 2.2. Perform basic color corrections

SLO 3.3. Demonstrate selection methods with Selection tools and how to manipulate layers

SLO 4.4. Produce typography with the Type tools

LINC 73F ADOBE PHOTOSHOP ELEMENTS II

SLO 1.1. Produce typography with the Type tools

SLO 2.2. Paint with the paint tools, brushes, patterns and swatches

SLO 3.3. Fix or enhance damaged images with Photo Touch-up tools

LINC 73H ADOBE ILLUSTRATOR OVERVIEW

SLO 1.1. Identify the interface: tools, control panel, palettes

SLO 2.2. Set up project work area: margins, page layout, guides and grids

SLO 3.3. Import photos, images, illustrations, and make selections

SLO 4.4. Describe digital imaging basics: vectors and bitmaps

SLO 5.5. Create and manipulate shapes

SLO 6.6. Use tools: Rotate, Reflect, Scale Shear, Reshape, Warp, Free Transform and Pen

SLO 7.7. Demonstrate the use of Selection and Direct Selection tools

LINC 73I ADOBE ILLUSTRATOR I

SLO 1.1. Identify the interface: tools, control panel, palettes

SLO 2.2. Set up project work area: margins, page layout, guides and grids

SLO 3.3. Import photos, images, illustrations, and make selections

SLO 4.4. Describe digital imaging basics: vectors and bitmaps

SLO 5.5. Create and manipulate shapes

SLO 6.6. Use tools: Rotate, Reflect, Scale Shear, Reshape, Warp, Free Transform and Pen

LINC 73J ADOBE ILLUSTRATOR II

SLO 1.1. Demonstrate the use of Selection and Direct Selection tools

SLO 2.2. Show proficiency with the Add Anchor Point tool, Rotation tool, Mesh Gradient tool

- SLO 3.3. Work with Pathfinder and Type
- SLO 4.4. Create type on a path
- SLO 5.5. Create Horizontal and vertical type
- SLO 6.6. Work with color, gradients and blends
- SLO 7.7. Use the Live paint tool
- SLO 8.8. Work with layers
- SLO 9.9. Learn the Graph tools

LINC 74 ADOBE DREAMWEAVER OVERVIEW

- SLO 1.1. Identify the interface: tools, control panel, palettes
- SLO 2.2. Set up project work area: margins, page layout, guides and grids
- SLO 3.3. Set up files, project folder and organize media
- SLO 4.4. Learn where to get images, web design resources
- SLO 5.5. Optimize images
- SLO 6.6. Transfer files to and from server web space
- SLO 7.7. Construct Layouts, Tables, and Image Maps
- SLO 8.8. Use the site management tools
- SLO 9.9. Use and create Templates

LINC 74A ADOBE DREAMWEAVER I

- SLO 1.1. Identify the interface: tools, control panel, palettes
- SLO 2.2. Set up project work area: margins, page layout, guides and grids
- SLO 3.3. Set up files, project folder and organize media
- SLO 4.4. Learn where to get images, web design resources
- SLO 5.5. Optimize images
- SLO 6.6. Transfer files to and from server web space
- SLO 7.7. Construct Layouts, Tables, and Image Maps

LINC 74B ADOBE DREAMWEAVER II

- SLO 1.1. Construct Layouts, Tables, and Image Maps
- SLO 2.2. Use the site management tools
- SLO 3.3. Use and create Templates
- SLO 4.4. Use Style Sheets
- SLO 5.5. Work with Behaviors
- SLO 6.6. Install Plug-ins and build Javascript drop down menus
- SLO 7.7. use Dreamweaver as a content mapping tool
- SLO 8.8. Use Dreamweaver to build a flow chart

LINC 76 CREATING EDUCATIONAL WEB SITES

- SLO 1.1. Identify the interface and tools of Adobe Dreamweaver
- SLO 2.2. Setup web site, site management, and folder organization scheme
- SLO 3.3. Create templates for web site project
- SLO 4.4. Build web site with cascading style sheets
- SLO 5.5. Identify the interface and tools of Adobe Fireworks
- SLO 6.6. Optimize and manipulate images in Fireworks
- SLO 7.7. Create layout for import into Dreamweaver
- SLO 8.8. Create site navigation scheme
- SLO 9.9. Export and Import slices from Fireworks into Dreamweaver
- SLO 10.10. Publish to the Web

LINC 76A CREATING EDUCATIONAL WEB SITES I

- SLO 1.1. Identify the interface and tools of Adobe Dreamweaver
- SLO 2.2. Setup web site, site management, and folder organization scheme
- SLO 3.3. Create templates for web site project
- SLO 4.4. Build web site with cascading style sheets

SLO 5.5. Publish to the Web

LINC 76AS CREATING EDUCATIONAL WEB SITES I

- SLO 1. 1. Identify the interface and tools of Adobe Dreamweaver
- SLO 2. 2. Setup web site, site management, and folder organization scheme
- SLO 3. 3. Create templates for web site project
- SLO 4. 4. Build web site with cascading style sheets
- SLO 5. 5. Publish to the Web

LINC 76B CREATING EDUCATIONAL WEB SITES II

- SLO 1. 1. Identify the interface and tools of Adobe Fireworks
- SLO 2. 2. Optimize and manipulate images in Fireworks
- SLO 3. 3. Create layout for import into Dreamweaver
- SLO 4. 4. Create site navigation scheme
- SLO 5. 5. Export and Import slices from Fireworks into Dreamweaver
- SLO 6. 6. Publish to the Web

LINC 76C CREATING WEB QUESTS

- SLO 1. 1. Define a Web Quest, including history, examples, basic structure, purpose, and target audience
- SLO 2. 2. Identify the elements and best instructional practices of a well-constructed Web Quest
- SLO 3. 3. Design and develop a Web Quest project for use in the classroom
- SLO 4. 4. Implement a Web Quest project

LINC 79 MULTIMEDIA PROJECT PRODUCTION

No SLOs on file.

LINC 80 MULTIMEDIA OVERVIEW

- SLO 1. 1. Explain the definitions and concepts of multimedia for teaching and learning
- SLO 2. 2. Describe the role that multimedia can play in communicating a message
- SLO 3. 3. Demonstrate awareness of the components of multimedia, the production process, software tools and hardware systems
- SLO 4. 4. Use multimedia capture tools such as a scanner, digital camera, digital video camera
- SLO 5. 5. Use multimedia authoring applications to create and edit a multimedia project
- SLO 6. 6. Record project in two media formats and present the project in appropriate media playback devices

LINC 80A MULTIMEDIA IN THE CLASSROOM

- SLO 1. 1. Explain the definitions and concepts of multimedia for teaching and learning
- SLO 2. 2. Summarize multimedia learning theory and in what ways multimedia can improve student learning
- SLO 3. 3. Summarize the appropriate uses for multimedia in education
- SLO 4. 4. Evaluate existing multimedia technology and determine fitness for curriculum
- SLO 5. 5. Incorporate multimedia into a lesson plan

LINC 80B MULTIMEDIA IN THE CLASSROOM I

- SLO 1. 1. Explain the definitions and concepts of multimedia for teaching and learning
- SLO 2. 2. Summarize multimedia learning theory and in what ways multimedia can improve student learning
- SLO 3. 3. Summarize the appropriate uses for multimedia in education
- SLO 4. 4. Incorporate multimedia into a lesson plan

LINC 81 USING DIGITAL IMAGES

- SLO 1. 1. Identify digital image archiving software and internet resources
- SLO 2. 2. Select a digital image archive tool and identify its features, tools, GUI
- SLO 3. 3. Import and manipulate images

- SLO 4. 4. Apply visual literacy principles to a graphic design project: proximity, alignment, repetition, contrast, type, shape, color, depth, space.
- SLO 5. 5. Export images for use in Web pages and presentations; create postcards, notecards, calendars, and photo books.

LINC 81A USING DIGITAL IMAGES I

- SLO 1. 1. Select a digital image archive tool and identify its features, tools, GUI
- SLO 2. 2. Import and manipulate images
- SLO 3. 3. Export images for use in Web pages and presentations; create postcards, notecards, calendars, and photo books.

LINC 81B ADOBE FIREWORKS OVERVIEW

- SLO 1. 1. Identify the interface: tools, control panel, palettes
- SLO 2. 2. Set up project work area
- SLO 3. 3. Explain the difference between jpg, gif, vector, and bitmap
- SLO 4. 4. Construct a storyboard
- SLO 5. 5. Identify where to collect royalty free assets
- SLO 6. 6. Optimize images
- SLO 7. 7. Import images, file formats
- SLO 8. 8. Resize and Crop Images
- SLO 9. 9. Work with layers and filters
- SLO 10. 10. Publish to the Web

LINC 81C ADOBE FIREWORKS I

- SLO 1. 1. Demonstrate collage techniques
- SLO 2. 2. Create an Animated GIF
- SLO 3. 3. Work with Text
- SLO 4. 4. Apply Artistic Effects with Filters
- SLO 5. 5. Create a layout
- SLO 6. 6. Create a title header
- SLO 7. 7. Create site navigation and buttons
- SLO 8. 8. Create table cell slices
- SLO 9. 9. Demonstrate proficiency with Interface Design
- SLO 10. 10. Export files and Publish to the Web

LINC 81D ADOBE FIREWORKS II

No SLOs on file.

LINC 83A ADOBE PREMIER

- SLO 1. 1. Design a story to be told through video production
- SLO 2. 2. Capture and edit video
- SLO 3. 3. Add sound and transitions
- SLO 4. 4. Work with photos
- SLO 5. 5. Publish to the web and devices

LINC 83C IMOVIE

- SLO 1. 1. Import video from a hard drive or camera into iMovie
- SLO 2. 2. Trim and edit video clips
- SLO 3. 3. Add background music, transitions, titles, and sound effects
- SLO 4. 4. Add voiceovers, sound effects, and video effects
- SLO 5. 5. Enhance movie by adding photos, changing speeds of the video, creating picture-in-picture effects, stabilizing shaky video, cropping and rotating video, and creating animated travel maps
- SLO 6. 6. Share the movie with others by exporting the final movie to put online, on a mobile device, or on iDVD
- SLO 7. 7. Incorporate iMovie into a lesson plan

LINC 83F	MOVIEWORKS	
	SLO 1.	1. Edit a movie
	SLO 2.	2. Create linear and interactive presentations
	SLO 3.	3. Add sound and text
	SLO 4.	4. Create animations
	SLO 5.	5. Export movies to other applications or deliver on a mobile device or the Internet
LINC 85A	ADOBE FLASH I	
	SLO 1.	1. Identify the interface: tools, control panel, palettes
	SLO 2.	2. Optimize Images
	SLO 3.	3. Use the Drawing Tools
	SLO 4.	4. Manipulate Symbols & Instances, Use Symbols from Multiple Libraries
	SLO 5.	5. Create a 2D Motion Tween and Motion Tween on Guide Path, Shape Tween and create a Mask Tween
	SLO 6.	6. Work with Text
	SLO 7.	7. Make Buttons: Insert Simple Button and Frame Actions
	SLO 8.	8. Create basic Movie Clips
	SLO 9.	9. Add Sound
	SLO 10.	10. Publish to the Web
LINC 85B	ADOBE FLASH II	
	SLO 1.	1. Create a 2D Motion Tween and Motion Tween on Guide Path, Shape Tween and create a Mask Tween
	SLO 2.	2. Work with Text
	SLO 3.	3. Make Buttons: Insert Simple Button and Frame Actions
	SLO 4.	4. Create basic Movie Clips
	SLO 5.	5. Add Sound
	SLO 6.	6. Create Basic Interactivity
	SLO 7.	7. Publish to the web
LINC 85C	ADOBE FLASH OVERVIEW	
	SLO 1.	1. Identify the interface: tools, control panel, palettes
	SLO 2.	2. Optimize Images
	SLO 3.	3. Use the Drawing Tools
	SLO 4.	4. Manipulate Symbols & Instances, Use Symbols from Multiple Libraries
	SLO 5.	5. Create a 2D Motion Tween and Motion Tween on Guide Path, Shape Tween and create a Mask Tween
	SLO 6.	6. Add media: text, sound, movie clips
	SLO 7.	7. Make Buttons: Insert Simple Button and Frame Actions
	SLO 8.	8. Create Basic Interactivity
	SLO 9.	9. Publish to the web
LINC 86	VIDEO PODCASTING OVERVIEW	No SLOs on file.
LINC 86A	VIDEO PODCASTING I	No SLOs on file.
LINC 86B	VIDEO PODCASTING II	No SLOs on file.
LINC 90A	WEBINARS	
	SLO 1.	1. Describe the practical applications for using webinars as an instructional tool for collaborative, interactive, distance learning
	SLO 2.	2. Define and annotate best practices for instructional uses of webinars
	SLO 3.	3. Compare and contrast different webinar tools and systems
	SLO 4.	4. Develop competence in using CCC Confer as a webinar system
	SLO 5.	5. Design and develop a webinar for instructional use in the classroom
	SLO 6.	6. Implement the webinar using document sharing and interactive/collaborative features of CCC Confer

- SLO 4. 4. Develop an assessment plan for student multimedia projects
- SLO 5. 5. Identify the taxonomies for cognitive and psychomotor domain learning and apply them to digital and technology related learning outcomes.

LINC 96B HANDHELD DIGITAL MEDIA DEVICES I

- SLO 1. 1. Define handheld devices
- SLO 2. 2. Explain the applications of handheld devices to different educational and training contexts in light of its limitations and affordances.
- SLO 3. 3. Use a handheld device for different application contexts with respect to the devices common and unique functions
- SLO 4. 4. Create an annotated list of software applications for handheld devices that can be used or adapted for educational or training purposes
- SLO 5. 5. Develop a media product (e.g., podcast, vodcast, presentation, web site, or application) that can be effectively used on a handheld device
- SLO 6. 6. Implement the student's own media product on a handheld device with a target audience
- SLO 7. 7. Evaluate the results of the implementation of the student's own media product.

LINC 96C HANDHELD DIGITAL MEDIA DEVICES II

- SLO 1. 1. Create an annotated list of software applications for handheld devices that can be used or adapted for educational or training purposes
- SLO 2. 2. Explore handheld communication features that enable collaborative and interactive functionality
- SLO 3. 3. Develop a media product (e.g., podcast, vodcast, presentation, web site, or application) that can be effectively used on a handheld device
- SLO 4. 4. Implement the student's own media product on a handheld device with a target audience
- SLO 5. 5. Evaluate the results of the implementation of the student's own media product.

LINC 98	TEACHING & LEARNING IN THE DIGITAL AGE	No SLOs on file.
LINC 98A	TEACHING & LEARNING IN THE DIGITAL AGE I	No SLOs on file.
LINC 98B	TEACHING & LEARNING IN THE DIGITAL AGE II	No SLOs on file.

24 of 39 Course IDs for *MATH* in the Physical Sciences, Mathematics & Engineering Division have SLO's. 2009-2010

Course ID	Title	SLO's
MATH 1A	CALCULUS	<ul style="list-style-type: none"> SLO 1. Analyze graphs using the first and second derivatives. SLO 2. Apply techniques of differentiation. SLO 3. Interpret and estimate the derivative.
MATH 1B	CALCULUS	<ul style="list-style-type: none"> SLO 1. Find antiderivatives graphically and analytically. ILO 1. 2. Creative, critical and analytical thinking SLO 2. Evaluate and approximate definite integrals. ILO 2. 2. Creative, critical and analytical thinking SLO 3. Analyze geometric and physical situations to obtain Riemann sums, and interpret and evaluate them as definite integrals. ILO 3. 2. Creative, critical and analytical thinking
MATH 1C	CALCULUS	<ul style="list-style-type: none"> SLO 1. Use power series to represent functions. ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Perform operations on vectors using both component and geometric forms, and use vectors to solve various problems.

ILO 2. 2. Creative, critical and analytical thinking

SLO 3. Apply calculus to functions of several variables such as:

- partial derivatives,
- gradients, and
- local linearity.

ILO 3. 2. Creative, critical and analytical thinking

MATH 1D **CALCULUS**

SLO 1. Evaluate and interpret double and triple integrals.

ILO 1. 2. Creative, critical and analytical thinking 3. Computation

SLO 2. Evaluate line integrals and flux integrals.

ILO 2. 2. Creative, critical and analytical thinking 3. Computation

SLO 3. Demonstrate an understanding of important theorems in vector calculus such as:

- path independence,
- Green's theorem,
- Stokes' theorem,
- and the divergence theorem.

ILO 3. 2. Creative, critical and analytical thinking 3. Computation

MATH 2A **DIFFERENTIAL EQUATIONS**

SLO 1. Solve differential equations with appropriate analytic techniques.

SLO 2. Approximate solutions to differential equations with appropriate numeric techniques.

SLO 3. Verify solutions to differential equations analytically, numerically, graphically, and qualitatively.

MATH 2B **LINEAR ALGEBRA**

SLO 1. Student will be able to identify various vector spaces.

SLO 2. Student will be able to find a basis for a vector space.

SLO 3. Student will be able to recognize a linear transformation.

MATH 10 **ELEMENTARY STATISTICS**

SLO 1. Define sampling distributions, state the Central Limit Theorem and use sampling distributions and the Central Limit Theorem to solve application problems.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Use confidence intervals to estimate population parameters, or the difference between two population parameters, using the appropriate formula and then interpret the result.

ILO 2. 2. Creative, critical and analytical thinking

MATH 11 **FINITE MATHEMATICS**

SLO 1. Student will be able to use financial math to compute the interest.

SLO 2. Student will be able to find the probability of various events.

SLO 3. Student will be able to use linear programming to optimize a function.

MATH 12 **CALCULUS FOR BUSINESS & ECONOMICS**

No SLOs on file.

MATH 17 **INTEGRATED STATISTICS II**

No SLOs on file.

MATH 22 **DISCRETE MATHEMATICS**

SLO 1. Counting techniques (advanced)

ILO 1. 2. Creative, critical and analytical thinking 3. Computation

SLO 2. Identify properties in a relation

ILO 2. 2. Creative, critical and analytical thinking 3. Computation

SLO 3. Identify error in a proof or argument

ILO 3. 1. Communication 2. Creative, critical and analytical thinking

MATH 34H	HONORS INSTITUTE SEMINAR IN MATHEMATICS	No SLOs on file.
MATH 36	SPECIAL PROJECTS IN MATHEMATICS	No SLOs on file.
MATH 36X	SPECIAL PROJECTS IN MATHEMATICS	No SLOs on file.
MATH 36Y	SPECIAL PROJECTS IN MATHEMATICS	No SLOs on file.
MATH 44	MATH FOR THE LIBERAL ARTS	
	SLO 1. Investigate problems analytically, numerically, graphically, and verbally.	
	SLO 2. Interpret the output of a mathematical model in qualitative context.	
	SLO 3. Justify the reasonableness of a mathematical outcome in qualitative context.	
MATH 48A	PRECALCULUS I	No SLOs on file.
MATH 48B	PRECALCULUS II	No SLOs on file.
MATH 48C	PRECALCULUS III	No SLOs on file.
MATH 49	PRECALCULUS	
	SLO 1. Be able to distinguish between linear, power, and exponential models.	
	SLO 2. Recognize and apply shifts, stretches, and reflections to graphs of functions.	
	SLO 3. Recognize the relationship between the graph of a polynomial or rational function and its respective mathematical equation.	
MATH 51	TRIGONOMETRY	
	SLO 1. Solve applied trigonometry problems involving right triangles.	
	SLO 2. State the domain, range, period, and amplitude of transformed trigonometric functions.	
	SLO 3. Recognize a periodic phenomenon.	
MATH 100	OPEN COMPUTER LABORATORY	No SLOs on file.
MATH 100X	OPEN COMPUTER LABORATORY	No SLOs on file.
MATH 100Y	OPEN COMPUTER LABORATORY	No SLOs on file.
MATH 105	INTERMEDIATE ALGEBRA	
	SLO 1. Identify the key features of a quadratic function:	
	• Axis	
	• Intercepts	
	• Vertex	
	SLO 2. Identify functional relationships and use function notation.	
	SLO 3. Solve quadratic equations by factoring, completing the square and the quadratic formula.	
MATH 108	ACCELERATED ALGEBRA	No SLOs on file.
MATH 217	INTEGRATED STATISTICS I	No SLOs on file.
MATH 220	ELEMENTARY ALGEBRA	
	SLO 1. Determine the equation and graph a line given information about the line.	
	• Given some context, create a linear model	
	• Provide the linear equation given a graph	
	• Interpret a point on a line in context	
	• Interpret the slope of a linear equation	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Solve a 2 x 2 system of linear equations.	
	• Interpret the solution of a given system in context	
	• Solve a system of linear equations algebraically	
	• Solve a system of linear equations graphically	
	• Set up a system to model a story problem	
	ILO 2. 2. Creative, critical and analytical thinking	
	SLO 3. Distinguish between and give examples of equations, solutions to equations, and algebraic expressions.	
	ILO 3. 2. Creative, critical and analytical thinking	
MATH 221	ACTIVITIES FOR MASTERY OF BEGINNING ALGEBRA CONCEPTS	

SLO 1. Determine the equation and graph a line given information about the line.

- Given some context, create a linear model
- Provide the linear equation given a graph
- Interpret a point on a line in context
- Interpret the slope of a linear equation

SLO 2. Solve a 2 x 2 system of linear equations.

- Interpret the solution of a given system in context
- Solve a system of linear equations algebraically
- Solve a system of linear equations graphically
- Set up a system to model a story problem

MATH 224 ELEMENTARY ALGEBRA: SUMMER EDITION

SLO 1. Determine the equation and graph a line given information about the line.

- Given some context, create a linear model
- Provide the linear equation given a graph
- Interpret a point on a line in context
- Interpret the slope of a linear equation

SLO 2. Solve a 2 x 2 system of linear equations.

- Interpret the solution of a given system in context
- Solve a system of linear equations algebraically
- Solve a system of linear equations graphically
- Set up a system to model a story problem

MATH 230 PREPARING FOR ALGEBRA

SLO 1. Able to do four operation arithmetic on real numbers without the aid of a calculator including order of operations.

SLO 2. Able to use the five step process to solve story problems.

SLO 3. Able to solve linear equations.

MATH 230J PREPARING FOR ALGEBRA

SLO 1. This is the Capstone class and covers the full range of topics. Able to do four operation arithmetic on real numbers without the aid of a calculator including order of operations

SLO 2. Able to use the five step process to solve story problems

SLO 3. Able to solve linear equations

MATH 230X ARITHMETIC PREPARATION

SLO 1. Identify, round whole number and write whole numbers using expanded notation

SLO 2. Represent whole numbers on the number-line

SLO 3. Perform the order of operations to evaluate expressions with whole numbers

MATH 231 MATH-SPECIFIC STUDY SKILLS

SLO 1. Identify the characteristics of a good student which they now possess.

SLO 2. Articulate the requirements of the Math 230 course.

MATH 234 PREPARING FOR ALGEBRA: SUMMER EDITION

SLO 1. Able to do four operation arithmetic on real numbers without the aid of a calculator including order of operations.

SLO 2. Able to use the five step process to solve story problems.

SLO 3. Able to solve linear equations.

MATH 235 ALTERNATE CREDIT ARITHMETIC & MATHEMATICAL DEVELOPMENT

SLO 1. The student must demonstrate the ability to do at least two of the following items:

- a) whole numbers and operations without a calculator
- b) fractions and mixed numbers and operations without a calculator
- c) decimals and operations without a calculator
- d) real numbers and operations without a calculator
- e) expressions and equations with integer coefficients and values for variables without a

- calculator
- f) expressions and equations with real number coefficients and values for variables without a calculator
- g) ratios, rates and proportions with calculator
- h) geometric figures / area and perimeter
- i) percents with a calculator
- j) using a scientific calculator and final preparations for Algebra

SLO 2. The student must demonstrate the ability to successful demonstrate all of the skills prior to the highest level achieved in SLO #1.

MATH 236

ALTERNATE CREDIT ARITHMETIC & MATHEMATICAL DEVELOPMENT: SUMMER EDITION

- SLO 1. The student must demonstrate the ability to do at least two of the following items:
- a) whole numbers and operations without a calculator
 - b) fractions and mixed numbers and operations without a calculator
 - c) decimals and operations without a calculator
 - d) real numbers and operations without a calculator
 - e) expressions and equations with integer coefficients and values for variables without a calculator
 - f) expressions and equations with real number coefficients and values for variables without a calculator
 - g) ratios, rates and proportions with calculator
 - h) geometric figures / area and perimeter
 - i) percents with a calculator
 - j) using a scientific calculator and final preparations for Algebra

SLO 2. The student must demonstrate the ability to successful demonstrate all of the skills prior to the highest level achieved in SLO #1.

MATH 238

PREPARING FOR ALGEBRA

- SLO 1. Able to do four operation arithmetic on real numbers without the aid of a calculator including order of operations.
- SLO 2. Able to use the five step process to solve story problems.
- SLO 3. Able to solve linear equations.

MATH 300

PREPARATION FOR ARITHMETIC

No SLOs on file.

68 of 65 Course IDs for *MUS* in the Fine Arts and Communication Division 2009-2010 have SLO's.

Course ID	Title	SLO's
MUS 1	INTRODUCTION TO MUSIC	<p>SLO 1. Explain how music is a reflection of the historical, sociological, and political circumstances that surround it.</p> <p>SLO 2. Demonstrate a basic knowledge of musical instruments and their functions.</p>
MUS 2A	GREAT COMPOSERS & MUSIC MASTERPIECES OF WESTERN CIVILIZATION	<p>SLO 1. Demonstrate an understanding of Western music between the years 1400BCE to 1750 CE as a reflection of its societal/historical context.</p> <p>SLO 2. Discriminate--via an understanding of such musical elements as melody, harmony, rhythm, and form—between various musical styles (e.g., Medieval, Renaissance, Baroque).</p>
MUS 2B	GREAT COMPOSERS & MUSIC MASTERPIECES OF WESTERN CIVILIZATION	<p>SLO 1. Demonstrate an understanding of Western music between the years 1750CE to 1825 CE as a reflection of its societal/historical context.</p>

		SLO 2. Discriminate--via an understanding of such musical elements as melody, harmony, rhythm, and form—between various musical styles (Classical, Romantic).
MUS 2C	GREAT COMPOSERS & MUSIC MASTERPIECES OF WESTERN CIVILIZATION	<p>SLO 1. Demonstrate an understanding of Western music written between the years 1825CE to the present as a reflection of its societal/historical context.</p> <p>SLO 2. Discriminate--via an understanding of such musical elements as melody, harmony, rhythm, and form—between various musical styles (e.g., Romantic, Impressionism, Modern).</p>
MUS 2D MUS 3A	WORLD MUSIC: ROOTS TO CONTEMPORARY GLOBAL FUSION BEGINNING MUSIC THEORY, LITERATURE & COMPOSITION	<p>No SLOs on file.</p> <p>SLO 1. Produce a simple musical composition applying the principles of basic four-part harmony.</p> <p>SLO 2. Analyze simple compositions identifying triads in root position and inversions using Roman numerals, figured bass, and popular chord symbols.</p>
MUS 3B	INTERMEDIATE MUSIC THEORY, LITERATURE & COMPOSITION	<p>SLO 1. Identify binary and ternary forms in late 18th and early 19th century music.</p> <p>SLO 2. Create modulations in diatonic harmony.</p>
MUS 3C	ADVANCED MUSIC THEORY, LITERATURE & COMPOSITION	<p>SLO 1. Summarize and apply set theory to analysis and original composition.</p> <p>SLO 2. Apply essential principles in advanced chromatic harmony.</p>
MUS 7	CONTEMPORARY MUSICAL STYLES: ROCK, POP & JAZZ	<p>SLO 1. Successful students will be able to classify rock and roll by identifying song structures and literary devices as they analyze lead sheets and listen to music from the early 1900's to present day.</p> <p>SLO 2. Through research, review, and reflection, successful students will be able to specify how rock, pop, and jazz have influenced new artists, and other styles of music, from early rural blues to urban hip-hop.</p>
MUS 7D	CONTEMPORARY MUSICAL STYLES: THE BEATLES IN THE CULTURE OF POPULAR MUSIC	<p>SLO 1. Recognize the significant effects that politics, social and cultural diversity, and the creative arts had on the music of the Beatles.</p> <p>SLO 2. Discriminately select examples of their songs which relate to the classical musical tradition as well as to other styles.</p>
MUS 7E	HISTORY OF THE BLUES	<p>SLO 1. Successful students will be classifying the blues to identify song structures, literary devices, and regional influences, as they analyze lyrics and listen to music from the female classic blues singers to contemporary blues musicians.</p> <p>SLO 2. Through research, review, and reflection, successful students will be able to specify how the blues have influenced musical styles, and new artists, from the roots of African American music to jazz and urban hip-hop.</p>
MUS 8	MUSIC OF MULTICULTURAL AMERICA	<p>SLO 1. Identify the key elements that shaped the historical context and assimilation experience of five broad constituent groups: Native Americans, European Americans, African Americans, Chicano/Latino Americans, and Asian Americans.</p> <p>SLO 2. Identify how various American music genres (e.g., spirituals, Urban Folk Revival, gospel, blues, jazz, Cajun, zydeco, Tejano, Salsa, hip-hop, rap, rock n' roll, and so forth) reflect the "root" music traditions of the constituent group and the historical context in which the genre developed.</p>

SLO 3. Define the following music genres (blues, jazz, gospel, Cajun, zydeco, Country music, Urban Folk Revival, Rock 'n' Roll, Soul, Motown, Funk, Salsa, Reggae, Tejano, Banda, Hip-Hop and Rap) in terms of structural characteristics (rhythm, melody, harmony, texture, instrumentation and form).

MUS 8H

HONORS MUSIC OF MULTICULTURAL AMERICA

SLO 1. Identify the key elements that shaped the historical context and assimilation experience of five broad constituent groups: Native Americans, European Americans, African Americans, Chicano/Latino Americans, and Asian Americans.

SLO 2. Identify how various American music genres (e.g., spirituals, Urban Folk Revival, gospel, blues, jazz, Cajun, zydeco, Tejano, Salsa, hip-hop, rap, rock n' roll, and so forth) reflect the "root" music traditions of the constituent group and the historical context in which the genre developed.

SLO 3. Define the following music genres (blues, jazz, gospel, Cajun, zydeco, Country music, Urban Folk Revival, Rock 'n' Roll, Soul, Motown, Funk, Salsa, Reggae, Tejano, Banda, Hip-Hop and Rap) in terms of structural characteristics (rhythm, melody, harmony, texture, instrumentation and form).

MUS 10

MUSIC FUNDAMENTALS

SLO 1. The successful student will be able to hear the differences between simple and compound time signatures.

SLO 2. The successful student will apply the fundamentals of music theory (meter, composition, major and minor scales, key signatures, and triads) as they listen to pop or classical music.

MUS 11A

JAZZ & SWING

No SLOs on file.

MUS 11B

FUNK, FUSION & HIP-HOP

No SLOs on file.

MUS 11C

SALSA & LATIN JAZZ

No SLOs on file.

MUS 12A

BEGINNING CLASS PIANO

No SLOs on file.

MUS 12B

INTERMEDIATE CLASS PIANO

No SLOs on file.

MUS 12C

ADVANCED CLASS PIANO

No SLOs on file.

MUS 13A

CLASS VOICE I

SLO 1. Understand and apply basic methods of vocal production.

SLO 2. Apply proper singing techniques to public performance.

MUS 13B

CLASS VOICE II

SLO 1. Understand and apply basic and intermediate methods of vocal production

SLO 2. Apply proper singing techniques to public performance.

MUS 13C

CLASS VOICE III

SLO 1. Understand and apply more advanced methods of vocal production.

SLO 2. Apply proper singing techniques to public performance.

MUS 14A

BEGINNING CLASSICAL GUITAR

SLO 1. Successful students will be able to identify notes and play in the first position at a beginning level.

SLO 2. Successful students will be able to use right and left hand techniques to demonstrate their comprehension of rest strokes, free strokes, scales, and single line melodies.

MUS 14B

INTERMEDIATE CLASSICAL GUITAR

SLO 1. Successful students will be able to identify notes and play in the first position at an intermediate level.

	SLO 2. Successful students will be able to use right and left hand techniques to demonstrate their comprehension of rest strokes, free strokes, scales, and intermediate melodies.	
MUS 14C	ADVANCED CLASSICAL GUITAR	
	SLO 1. Successful students will be able to identify notes and play in the first position at an advanced level.	
	SLO 2. Successful students will be able to use right and left hand techniques to demonstrate their comprehension of rest strokes, free strokes, scales, and more advanced melodies.	
MUS 15A	BEGINNING FOLK GUITAR	
	SLO 1. The successful student will be able to apply music theory as they perform beginning fingerpicking styles and categorize chords into primary and secondary triads.	
	SLO 2. Successful students will be able to make a comparison of folk and pop melodies based on an understanding of beginning right and left hand techniques.	
MUS 15B	INTERMEDIATE FOLK GUITAR	
	SLO 1. The successful student will be able to apply music theory to perform intermediate fingerpicking styles and categorize chords into primary and secondary triads.	
	SLO 2. Successful students will be able to make a comparison of folk and pop melodies based on an understanding of intermediate right and left hand accompaniment techniques.	
MUS 15C	ADVANCED FOLK GUITAR	
	SLO 1. The successful student will be able to apply music theory to perform advanced fingerpicking styles and categorize chords into primary and secondary triads.	
	SLO 2. Successful students will be able to make a comparison of folk and pop melodies based on an understanding of advanced right and left hand techniques.	
MUS 18	MUSIC PUBLISHING FOR SONGWRITERS	No SLOs on file.
MUS 27	SYMPHONY & CONCERTO	No SLOs on file.
MUS 34H	HONORS INSTITUTE SEMINAR IN MUSIC	No SLOs on file.
MUS 35A	SPECIAL PROJECTS IN MUSIC	No SLOs on file.
MUS 35B	SPECIAL PROJECTS IN MUSIC TECHNOLOGY	No SLOs on file.
MUS 41	LIVE MUSIC PERFORMANCE WORKSHOP	No SLOs on file.
MUS 50A	MUSIC BUSINESS	
	SLO 1. Students can apply their knowledge of publishing rights to examine contracts.	
	SLO 2. Describe the development of music distribution from the earliest sound recordings to digital downloads.	
MUS 50B	ENTERTAINMENT LAW & NEW MEDIA	
	SLO 1. Describe and discuss the principles of copyright law as it applies to the Internet.	
	SLO 2. Analyze business models in online marketing and the new media field.	
MUS 50C	CAREERS IN MUSIC	
	SLO 1. Synthesize marketing and employment strategies from a set of hypothetical industry scenarios in at least three different areas of the music business.	
	SLO 2. Discuss the diverse parameters of the music industry and their approximate financial impact on the entertainment industry both nationally and internationally.	
MUS 56	COMPOSING & ARRANGING WITH SIBELIUS	
	SLO 1. Write original songs and compositions using manuscript software at a MIDI/audio workstation.	
	SLO 2. Create original arrangements of contemporary classical and popular music.	
MUS 58A	SONGWRITER'S WORKSHOP I	
	SLO 1. Compare and contrast songwriting styles.	
	SLO 2. Evaluate songs in a collaborative learning environment.	

SLO 3. Illustrate an understanding of song construction by being able to discuss the various components that make up a song.

SLO 4. Create original song compositions that support the basic premises of modern song styling.

MUS 58B SONGWRITER'S WORKSHOP II

SLO 1. Compare and contrast modern songwriting styles.

SLO 2. Evaluate songs in a collaborative writing atmosphere.

SLO 3. Illustrate an understanding of song construction by being able to discuss the various components that make up a song.

SLO 4. Create original song compositions that support the basic premises of modern song styling.

MUS 58C SONGWRITER'S WORKSHOP III

SLO 1. Compare and contrast modern songwriting styles

SLO 2. Evaluate songs in a collaborative writing atmosphere.

SLO 3. Illustrate an understanding of song construction by being able to discuss the various components that make up a song.

SLO 4. Create original song compositions that support the basic premises of modern song styling.

MUS 60A PRODUCING IN THE HOME STUDIO I

SLO 1. Design an acoustic environment in an alternative space.

SLO 2. Create a recording/production system using computer based software and hardware.

MUS 60B PRODUCING IN THE HOME STUDIO II

SLO 1. Design an acoustic environment in an alternative space.

SLO 2. Create a recording/production system using computer based software and hardware.

MUS 62 SOUND REINFORCEMENT & LIVE RECORDING

SLO 1. Setup and operate a sound reinforcement system.

SLO 2. Read and interpret a set of specifications for sound reinforcement equipment.

MUS 66A INTRODUCTION TO DIGITAL AUDIO: PRO TOOLS

SLO 1. Write original compositions using a midi/audio workstation.

SLO 2. Create unique programming/sequencing that includes the linking of patterns into a musical composition, and the inclusion of audio files as an integral element.

MUS 66B INTRODUCTION TO DIGITAL AUDIO: REASON & PRO TOOLS

SLO 1. Write original compositions using a midi/audio workstation.

SLO 2. Create unique programming/sequencing that includes the linking of patterns into a musical composition, the inclusion of audio files as an integral element, and Reason as a rewire application.

MUS 66C INTRODUCTION TO DIGITAL AUDIO: LIVE, REASON & PRO TOOLS

SLO 1. Apply RTAS and Audio Suite effects plug-ins to a Pro Tools session file.

SLO 2. Create unique programming/sequencing that includes the linking of patterns into a musical composition, and the inclusion of both Reason and Ableton Live as rewire instruments.

MUS 80A RECORDING STUDIO BASICS

SLO 1. Describe and discuss the basic principles of acoustics and the physics of sound.

SLO 2. Interpret the specifications of mixing boards, microphones, and signal processors.

MUS 81A AUDIO RECORDING & PRODUCTION

- SLO 1. Create and edit a multitrack recording.
SLO 2. Assess the comparative levels of tracks as they relate to the multitrack recording as a whole, and create a basic mix to a stereo master.
- MUS 81B SOUND DESIGN FOR FILM & VIDEO
SLO 1. Design and assemble a soundtrack from different sources, both pre-recorded and recorded.
SLO 2. Describe and discuss the aesthetic qualities of sound and music as it relates to the content of video.
- MUS 81C MIXING & MASTERING WITH PRO TOOLS
SLO 1. Explain the mixing styles of the recording industry in the 20th century.
SLO 2. Create a stereo mix from a multitrack master.
- MUS 81D PRO TOOLS & PLUG-INS I
SLO 1. Apply TDM and RTAS plug ins directly to a track in a multitrack recording.
SLO 2. Explain equalization and compression techniques as standardized in the modern recording industry.
- MUS 81E PRO TOOLS & PLUG INS II
SLO 1. Modify plug-ins configurations utilizing internal buss paths and aux tracks in a multitrack recording.
SLO 2. Correct pitch intonation discrepancies on mono and polyphonic material
- MUS 82A PRO TOOLS 101: INTRODUCTION TO PRO TOOLS
SLO 1. Analyze the dynamic spectrum of a multi-track recording.
SLO 2. Operate a midi keyboard within the Pro Tools environment.
- MUS 82B PRO TOOLS 110: PRO TOOLS PRODUCTION I
SLO 1. Operate Pro Tools in a recording environment to Digidesign standards.
SLO 2. Explain the Pro Tools file system.
- MUS 82C PRO TOOLS 201: PRO TOOLS PRODUCTION II
SLO 1. Configure Pro Tools HD workstations, customizing session requirements.
SLO 2. Write automation in any mode, automate plug-ins and suspend automation.
- MUS 82D PRO TOOLS 210M: MUSIC PRODUCTION TECHNIQUES
SLO 1. Demonstrate professional digital audio editing techniques.
SLO 2. Apply synchronization concepts to external analog and digital equipment.
- MUS 85A MUSIC & MEDIA: EDISON TO HENDRIX
SLO 1. Describe and discuss the history of Popular Music since the introduction of recording to 1964.
SLO 2. Identify popular musical styles from the 1920's through the 1960's.
- MUS 85B MUSIC & MEDIA: HENDRIX TO HIP-HOP
SLO 1. Describe and discuss the history of popular music since the introduction of multitrack recording through the present.
SLO 2. Identify popular musical styles from 1964 through the present.
- MUS 86 INTRODUCTION TO DIGITAL SOUND, VIDEO & ANIMATION
SLO 1. Demonstrate a working knowledge of digital media computer software.
SLO 2. Create digital sound, digital video, and animation files for class critique and portfolio presentation.
- MUS 150 MUSIC LABORATORY

SLO 1. Refine and improve specific skills being taught in each music course in which the student is currently enrolled, e.g., skills in sightsinging, dictation, and aural recognition of music literature.

SLO 2. Demonstrate increased skills in the subject areas addressed via independent study.

MUS 150X MUSIC LABORATORY

SLO 1. Refine and improve specific skills being taught in each music course in which the student is currently enrolled, e.g., skills in sightsinging, dictation, and aural recognition of music literature.

SLO 2. Demonstrate increased skills in the subject areas addressed via independent study.

MUS 150Y MUSIC LABORATORY

SLO 1. Refine and improve specific skills being taught in each music course in which the student is currently enrolled, e.g., skills in sightsinging, dictation, and aural recognition of music literature.

SLO 2. Demonstrate increased skills in the subject areas addressed via independent study.

MUS 150Z MUSIC LABORATORY

SLO 1. Refine and improve specific skills being taught in each music course in which the student is currently enrolled, e.g., skills in sightsinging, dictation, and aural recognition of music literature.

SLO 2. Demonstrate increased skills in the subject areas addressed via independent study.

36 of 12 Course IDs for *MUSP* in the Fine Arts and Communication Division 2009-2010
have SLO's.

Course ID	Title	SLO's
MUSP 21	COLLEGE CHORALE	<p>SLO 1. Critique and evaluate the performance of choral ensembles.</p> <p>SLO 2. Interpret written arrangements of compositions in a variety of styles.</p>
MUSP 24	GOSPEL CHORUS	<p>SLO 1. Explain the stylistic differences of Gospel music, i.e early folk hymns, spirituals, traditional, and contemporary Gospel.</p> <p>SLO 2. Critique and evaluate the performance of Gospel ensembles.</p>
MUSP 24X	GOSPEL CHORUS	<p>SLO 1. Explain the stylistic differences of Gospel music, i.e early folk hymns, spirituals, traditional, and contemporary Gospel.</p> <p>SLO 2. Critique and evaluate the performance of Gospel ensembles.</p>
MUSP 24Y	GOSPEL CHORUS	<p>SLO 1. Explain the stylistic differences of Gospel music, i.e early folk hymns, spirituals, traditional, and contemporary Gospel.</p> <p>SLO 2. Critique and evaluate the performance of Gospel ensembles.</p>
MUSP 24Z	GOSPEL CHORUS	<p>SLO 1. Explain the stylistic differences of Gospel music, i.e early folk hymns, spirituals, traditional, and contemporary Gospel.</p> <p>SLO 2. Critique and evaluate the performance of Gospel ensembles.</p>
MUSP 26	ADVANCED WOMEN'S CHORUS	<p>SLO 1. Compare and listen to recordings and attend live concerts or festivals to contrast choral styles of other women's and mixed choirs.</p>

SLO 2. Demonstrate knowledge of the required literature by performing in a quartet.

MUSP 27	RENAISSANCE VOCAL ENSEMBLE	No SLOs on file.
MUSP 28	CHAMBER SINGERS	No SLOs on file.
MUSP 29	MADRIGAL SINGERS	No SLOs on file.
MUSP 32	SYMPHONIC WIND ENSEMBLE	No SLOs on file.
MUSP 39	COLLEGE ORCHESTRA	

SLO 1. Develop/deepen knowledge of repertoire for college-level orchestra.

SLO 2. Demonstrate improved skills in ensemble playing.

MUSP 40	SYMPHONY ORCHESTRA	
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SLO 1. Develop/deepen knowledge of repertoire for symphony orchestra.

SLO 2. Demonstrate improved skills in ensemble playing.

1 of 12 Course IDs for NANO in the Physical Sciences, Mathematics & Engineering Division have SLO's.

2009-2010

Course ID	Title	SLO's
NANO 50	INTRODUCTION TO NANOTECHNOLOGY	No SLOs on file.
NANO 51	APPLICATIONS OF NANOTECHNOLOGY	
	SLO 1. students will describe the field of nanotechnology from a historical perspective, and emergent / convergent from physics, materials science and engineering, semiconductors and electronics, biology and chemistry - assessment by written evaluation	
	SLO 2. students will describe the industrial applications of nanotechnology, with specific instances (applications) in semiconductors, high performance materials, (and suggested) energy, food, water, computing, and medicine - assessment by written evaluation.	
	SLO 3. students will describe the material engineering and application challenges in energy, food, water, computing, and medicine - assessment by written evaluation.	
	SLO 4. students will describe how nanotechnology and nanoengineering are practiced in industry, including thin film deposition, particle size, distribution, and surface area, grain boundary engineering, lattice dimension / strain - students will describe the material engineering and application challenges in energy, food, water, computing, and medicine - assessment by written evaluation.	
	SLO 5. students will identify ten key nanostructures, how they are prepared, and why they are important in nanoscience and materials engineering - assessment by written evaluation.	
	SLO 6. students will learn and apply the PNPA rubric to key application and product engineering challenges - as a method for applying the engineering method to advanced materials engineering - assessment by written evaluation.	
	SLO 7. students will apply theory of atomic, electronic, and material structure to Modeling and Simulation, Engineering, and Structure - Properties Relationships.	
	SLO 8. students will identify the primary process tools for fabricating nanostructured materials, how they work, and where they fit into both academic research and industrial laboratories and manufacturing.	
	SLO 9. students will identify the primary process tools for characterizing nanostructured materials, how they work, and where they fit into both academic research and industrial laboratories and manufacturing (QA/QC).	
	SLO 10. students will identify and discuss the current challenges to nanotechnology and nanoengineering in policy, education, funding, legal, and environmental applications and identify and discuss the future emergent and convergent areas of nanotechnology, including quantum computing, synthetic biology, and IT/MEMS (nanorobotics)	
NANO 52	NANOMATERIALS & NANOSTRUCTURES	No SLOs on file.
NANO 53	NANOMATERIALS CHARACTERIZATION	No SLOs on file.
NANO 54	NANOFABRICATION TOOLS & PROCESS	No SLOs on file.
NANO 55	INTRODUCTION TO MICRO & NANO ELECTRONICS	No SLOs on file.

NANO 56	PRINCIPLES OF MEMS, NEMS & SENSORS	No SLOs on file.
NANO 57	INTRODUCTION TO MICRO & NANO FABRICATION TECHNIQUES	No SLOs on file.
NANO 58	MICRO & NANO FABRICATION TECHNIQUES LABORATORY	No SLOs on file.
NANO 59	NANOBIOTECHNOLOGY SCIENCES	No SLOs on file.
NANO 60	INTRODUCTION TO CLEAN TECHNOLOGY	No SLOs on file.
NANO 61	MICRO & NANO FABRICATION TECHNIQUES CAPSTONE	No SLOs on file.

0 of 3 Course IDs for *NCBS* in the Non-Credit Division have SLO's. 2009-2010

0 of 1 Course IDs for *NCEL* in the Non-Credit Division have SLO's. 2009-2010

0 of 4 Course IDs for *NCP* in the Non-Credit Division have SLO's. 2009-2010

0 of 2 Course IDs for *NCSV* in the Non-Credit Division have SLO's. 2009-2010

0 of 4 Course IDs for *NCWP* in the Non-Credit Division have SLO's. 2009-2010

23 of 24 Course IDs for *PA* in the Fine Arts and Communication Division have SLO's. 2009-2010

Course ID	Title	SLO's
P A 111	PERFORMANCE PRACTICES IN THEATRE	
	SLO 1. The student will be able to read, rehearse and perform varied theatre repertoire.	
	SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.	
P A 111X	PERFORMANCE PRACTICES IN THEATRE	
	SLO 1. The student will be able to read, rehearse and perform varied theatre repertoire.	
	SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.	
P A 111Y	PERFORMANCE PRACTICES IN THEATRE	
	SLO 1. The student will be able to read, rehearse and perform varied theatre repertoire.	
	SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.	
P A 111Z	PERFORMANCE PRACTICES IN THEATRE	No SLOs on file.
P A 121	PERFORMANCE PRACTICES IN VOCAL MUSIC	
	SLO 1. The student will be able to read, rehearse and perform varied theatre repertoire.	
	SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.	
P A 121X	PERFORMANCE PRACTICES IN VOCAL MUSIC	

- SLO 1. The student will be able to read, rehearse and perform varied theatre repertoire.
SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.

P A 121Y PERFORMANCE PRACTICES IN VOCAL MUSIC

- SLO 1. The student will be able to read, rehearse and perform varied theatre repertoire.
SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.

P A 121Z PERFORMANCE PRACTICES IN VOCAL MUSIC

- SLO 1. The student will be able to read, rehearse and perform varied theatre repertoire.
SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.

P A 131 PERFORMANCE PRACTICES IN INSTRUMENTAL MUSIC

- SLO 1. The student will be able to read, rehearse and perform varied instrumental repertoire.
SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.

P A 131X PERFORMANCE PRACTICES IN INSTRUMENTAL MUSIC

- SLO 1. The student will be able to read, rehearse and perform varied instrumental repertoire.
SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.

P A 131Y PERFORMANCE PRACTICES IN INSTRUMENTAL MUSIC

- SLO 1. The student will be able to read, rehearse and perform varied instrumental repertoire.
SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.

P A 131Z PERFORMANCE PRACTICES IN INSTRUMENTAL MUSIC

- SLO 1. The student will be able to read, rehearse and perform varied instrumental repertoire.
SLO 2. The student will be able to gain insights into the historical and societal context of the repertoire under study.

P A 141 PERFORMING ARTS COLLEGIUM

- SLO 1. The student will be able to analyze his/her creative behavior and develop collegial skills in working with other performing artists or technicians.
SLO 2. The student will assess the quality of his/her own work in the context of the performance laboratory or public performance.

P A 141X PERFORMING ARTS COLLEGIUM

- SLO 1. The student will be able to analyze his/her creative behavior and develop collegial skills in working with other performing artists or technicians.
SLO 2. The student will assess the quality of his/her own work in the context of the performance laboratory or public performance.

P A 141Y PERFORMING ARTS COLLEGIUM

- SLO 1. The student will be able to analyze his/her creative behavior and develop collegial skills in working with other performing artists or technicians.
SLO 2. The student will assess the quality of his/her own work in the context of the performance laboratory or public performance.

P A 141Z PERFORMING ARTS COLLEGIUM

- SLO 1. The student will be able to analyze his/her creative behavior and develop collegial skills in working with other performing artists or technicians.
SLO 2. The student will assess the quality of his/her own work in the context of the performance laboratory or public performance.

- P A 150 PERFORMING ARTS LABORATORY

SLO 1. The student will be able to study independently prepared materials to increase skills and concepts.

SLO 2. The student will be able to examine areas of strength and weakness in performance practice.

- P A 150X PERFORMING ARTS LABORATORY

SLO 1. The student will be able to study independently prepared materials to increase skills and concepts.

SLO 2. The student will be able to examine areas of strength and weakness in performance practice.

- P A 150Y PERFORMING ARTS LABORATORY

SLO 1. The student will be able to study independently prepared materials to increase skills and concepts.

SLO 2. The student will be able to examine areas of strength and weakness in performance practice.

- P A 150Z PERFORMING ARTS LABORATORY

SLO 1. The student will be able to study independently prepared materials to increase skills and concepts.

SLO 2. The student will be able to examine areas of strength and weakness in performance practice.

- P A 161 DIRECTED STUDIES IN THE PERFORMING ARTS

SLO 1. The student will be able to analyze his/her creative behavior and develop collegial skills in working with other performing artists or technicians.

SLO 2. The student will be able to assess the quality of his/her own work in the context of the performance laboratory or public performance.

- P A 161X DIRECTED STUDIES IN THE PERFORMING ARTS

SLO 1. The student will be able to analyze his/her creative behavior and develop collegial skills in working with other performing artists or technicians.

SLO 2. The student will be able to assess the quality of his/her own work in the context of the performance laboratory or public performance.

- P A 161Y DIRECTED STUDIES IN THE PERFORMING ARTS

SLO 1. The student will be able to analyze his/her creative behavior and develop collegial skills in working with other performing artists or technicians.

SLO 2. The student will be able to assess the quality of his/her own work in the context of the performance laboratory or public performance.

- P A 161Z DIRECTED STUDIES IN THE PERFORMING ARTS

SLO 1. The student will be able to analyze his/her creative behavior and develop collegial skills in working with other performing artists or technicians.

SLO 2. The student will be able to assess the quality of his/her own work in the context of the performance laboratory or public performance.

23 of 10 Course IDs for *P C* in the Biological and Health Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
P C 83	FAMILY MEDICINE DIDACTIC	

	SLO 1. Student will develop knowledge in order to recognize and initiate referral for management of dementia in the elderly.	
	SLO 2. Student will develop knowledge in order to recognize and initiate referral for management of common sensory changes of the elderly.	
P C 83P	FAMILY MEDICINE CLINICAL	
	SLO 1. Student is expected to take an appropriate history from a patient presenting with multiple common problems in a primary care preceptorship.	
	SLO 2. Student is expected to perform an appropriate physical exam on patient presenting with multiple common problems in a primary care preceptorship.	
P C 84	FAMILY MEDICINE DIDACTIC	
	SLO 1. Student will develop knowledge in order to recognize, stabilize and initiate management of congenital heart disease in pediatric population.	
	SLO 2. Student will develop knowledge in order to recognize, stabilize and initiate management of inborn errors of metabolism in pediatric population.	
P C 84P	FAMILY MEDICINE CLINICAL	
	SLO 1. Student will have completed a preceptorship in inpatient medicine caring for patients in hospital as part of medical team.	
	SLO 2. Student will have completed a preceptorship in surgery, caring for patients in surgical settings (operating room, surgical center, hospital) as part of surgical team.	
P C 85	SPECIAL CLINICAL PROJECTS IN PRIMARY CARE MEDICINE	
	SLO 1. Student will expand competence in a clinical setting, recognizing and managing common disorders of primary care.	
	SLO 2. Student will demonstrate increased autonomy in a clinical setting, recognizing and managing common disorders of primary care.	
P C 86	SPECIAL DIDACTIC PROJECTS IN PRIMARY CARE MEDICINE	
	SLO 1. In a classroom and seminar setting, student will review and consolidate fund of basic science knowledge pertinent to primary care medicine.	
	SLO 2. In a classroom and seminar setting, student will practice critical thinking and problem solving skills pertinent to primary care medicine.	
P C 87	EXTENDED CLINICAL INTERNSHIP	
	SLO 1. Student will expand competence in a clinical setting, recognizing and managing common disorders of primary care.	
	SLO 2. Student will demonstrate increased autonomy in a clinical setting, recognizing and managing common disorders of primary care.	
P C 88	EXTENDED CLINICAL INTERNSHIP	
	SLO 1. Student will expand competence in a clinical setting, recognizing and managing common disorders of primary care.	
	SLO 2. Student will demonstrate increased autonomy in a clinical setting, recognizing and managing common disorders of primary care.	
P C 290X	DIRECTED STUDY IN PRIMARY CARE MEDICINE	No SLOs on file.
P C 290Y	DIRECTED STUDY IN PRIMARY CARE MEDICINE	No SLOs on file.

0 of 26 Course IDs for *PCA* in the Biological and Health Sciences Division 2009-2010 have SLO's.

123 of 127 Course IDs for *PHED* in the Physical Education Division have SLO's. 2009-2010

Course ID	Title	SLO's
PHED 1	INTRODUCTION TO PHYSICAL EDUCATION AS A PROFESSION	
	SLO 1. Analyze current issues in Physical Education	
	SLO 2. Evaluate career options in Physical Education and customize career goals as they relate to Physical Education	
PHED 2	SPORT IN SOCIETY	
	SLO 1. Analyze current social issues as they relate to sport.	
	SLO 2. Evaluate the impact of sport on child development.	
PHED 3	THEORIES & TECHNIQUES OF COACHING SPORTS	
	SLO 1. Identify the knowledge categories to run an effective sport program.	
	SLO 2. Demonstrate mastery of the effective skills required for a sport program.	
PHED 4	CONCEPTS OF PHYSICAL FITNESS & WELLNESS	
	SLO 1. Identify and explain how the components of physical fitness contribute to general health and wellness.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Assess current personal health and fitness lifestyle behaviors.	
	ILO 2. 2. Creative, critical and analytical thinking	
PHED 5	FUNDAMENTALS OF HATHA YOGA	
	SLO 1. Demonstrate an understanding of the history, practice, and postures of Hatha Yoga.	
	SLO 2. Understand the neurophysiology and anatomy of Hatha Yoga poses.	
PHED 6	PERFORMANCE ENHANCING SUBSTANCES IN SPORT & EXERCISE	No SLOs on file.
PHED 8	THEORY & CONCEPTS OF EXERCISE PHYSIOLOGY	
	SLO 1. Demonstrate an understanding of the major organ systems in the human body.	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Describe major adaptations made by the human body in response to aerobic and anaerobic training.	
	ILO 2. 2. Creative, critical and analytical thinking	
PHED 9	BASIC NUTRITION FOR SPORTS & FITNESS	
	SLO 1. Analyze and critique personal dietary, hydration and supplementation needs required for daily exercise and health.	
	SLO 2. Develop and justify a three day dietary plan for distance running	
PHED 10A	AQUATICS: LEVEL I, BEGINNING SWIMMING	
	SLO 1. Demonstrate basic water safety skills	
	a. floating	
	b. backstroke	
	c. freestyle	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Describe goals for beginning swim class	
	ILO 2. 2. Creative, critical and analytical thinking	
PHED 10B	AQUATICS: LEVEL II, INTERMEDIATE SWIMMING	
	SLO 1. Demonstrate intermediate swim strokes including sidestroke, breaststroke and backstroke	
	SLO 2. Describe goals for swim class	

- PHED 10C AQUATICS LEVEL III, MASTERS SWIMMING/ADVANCED SWIM TRAINING
SLO 1. Develop increasing proficiency in competitive swim turns
SLO 2. Demonstrate increased aerobic endurance in swimming
- PHED 11A WATER EXERCISE
SLO 1. Demonstrate the deep water exercise skills of running, cycling and cross country skiing.
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Demonstrate improvement in cardiovascular endurance
ILO 2. 1. Communication
- PHED 11B AQUATIC FITNESS
SLO 1. Identify the basic training principles of cardiovascular exercise
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Describe the physiological benefits of regular aerobic water exercise
ILO 2. 4. Community/global consciousness and responsibility
- PHED 13A INTERMEDIATE/ADVANCED WATER POLO
SLO 1. Demonstrate increasing proficiency in the intermediate/advanced skills for water polo
SLO 2. Develop increased cardiovascular endurance in the water
- PHED 17A BEGINNING KARATE
SLO 1. Perform with an increasing degree of proficiency the basic fundamentals of Japanese karate
SLO 2. Identify the preparation and etiquette of karate training
- PHED 17B INTERMEDIATE KARATE
SLO 1. Perform with an increasing degree of proficiency intermediate karate techniques
SLO 2. Demonstrate increased sequential skill development of karate techniques
- PHED 19A FUNDAMENTALS OF TAI CHI
SLO 1. Analyze the relationship of mind-body through the practice of Tai Chi
SLO 2. Demonstrate improved coordination, flexibility and balance by incorporating the basic techniques of Tai Chi
- PHED 19B KICKBOXING FOR FITNESS
SLO 1. Perform with an increasing degree of proficiency self-defense skills
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Demonstrate increased cardiovascular fitness
ILO 2. 4. Community/global consciousness and responsibility
- PHED 19BS KICKBOXING FOR FITNESS
SLO 1. See PHED19B for SLO
SLO 2. See PHED19B for SLO
- PHED 19BT KICKBOXING FOR FITNESS
SLO 1. See PHED 19B for SLO
SLO 2. See PHED19B for SLO
- PHED 20A BEGINNING MAT PILATES
SLO 1. Identify the principles and goals for Pilates exercises.
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Demonstrate proper technique and increasing expertise in Pilates exercises.

ILO 2. 2. Creative, critical and analytical thinking

PHED 20AS BEGINNING MAT PILATES

SLO 1. See PHED 20A for SLO

SLO 2. See PHED20A for SLO

PHED 20AT BEGINNING MAT PILATES

SLO 1. See PHED20A for SLO

SLO 2. See PHED 20A for SLO

PHED 20B INTERMEDIATE MAT PILATES

SLO 1. Identify the principles and goals for Pilates exercises.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Demonstrate proper technique and increasing expertise in Pilates exercises.

ILO 2. 2. Creative, critical and analytical thinking

PHED 20C POWER PILATES & FLEXIBILITY EXERCISES

SLO 1. Perform with increasing degree of proficiency yoga postures and breathing techniques

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Perform with increasing degree of proficiency core strength exercises

ILO 2. 2. Creative, critical and analytical thinking

PHED 20CS STANDING PILATES/YOGA FOR FITNESS

SLO 1. See PHED 20C for SLO

SLO 2. See PHED20C for SLO

PHED 20CT STANDING PILATES/YOGA FOR FITNESS

SLO 1. See PHED20C for SLO

SLO 2. See PHED20C for SLO

PHED 21A BEGINNING HATHA YOGA

SLO 1. Identify the principles and goals for Yoga practice.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Demonstrate proper technique and increasing expertise in Yoga postures and sequences.

ILO 2. 2. Creative, critical and analytical thinking

PHED 21AS BEGINNING HATHA YOGA

SLO 1. See PHED 21A for SLO

SLO 2. See PHED21A for SLO

PHED 21AT BEGINNING HATHA YOGA

SLO 1. See PHED21A for SLO

SLO 2. See PHED21A for SLO

PHED 21B INTERMEDIATE HATHA YOGA

SLO 1. Identify the principles and goals for Yoga practice.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Demonstrate proper techniques and increasing expertise in Yoga postures and flow.

ILO 2. 2. Creative, critical and analytical thinking

PHED 21C POWER YOGA

SLO 1. Identify the principles and goals for Yoga practice.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Demonstrate proper techniques and increasing expertise in Yoga postures and sequences.

ILO 2. 2. Creative, critical and analytical thinking

PHED 21CS POWER YOGA

SLO 1. Identify the principles and goals for Yoga practice.**SLO 2.** Demonstrate proper techniques and increasing expertise in Yoga postures and sequences.

PHED 21CT POWER YOGA

SLO 1. Identify the principles and goals for Yoga practice.**SLO 2.** Demonstrate proper techniques and increasing expertise in Yoga postures and sequences.

PHED 21D VINYASA FLOW YOGA

SLO 1. Identify the principles and goals for Yoga practice.**ILO 1. 2. Creative, critical and analytical thinking****SLO 2.** Demonstrate proper techniques and increasing expertise in Yoga postures and sequences.**ILO 2. 2. Creative, critical and analytical thinking**

PHED 21DS VINYASA FLOW YOGA

SLO 1. See PHED21D for SLO**SLO 2.** See PHED21D for SLO

PHED 21DT VINYASA FLOW YOGA

SLO 1. See PHED21D for SLO**SLO 2.** See PHED21D for SLO

PHED 22 FULL BODY FLEXIBILITY

SLO 1. Identify the components of fitness and goals/benefits for flexibility exercises.**ILO 1. 2. Creative, critical and analytical thinking****SLO 2.** Demonstrate proper stretching and flexibility exercise techniques and increasing expertise in flexibility exercises.**ILO 2. 2. Creative, critical and analytical thinking**

PHED 22A STRETCHING & PILATES FOR FLEXIBILITY

SLO 1. Identify the principles and goals for Pilates and flexibility exercises.**SLO 2.** Demonstrate proper techniques and increasing expertise in Pilates and flexibility exercises.

PHED 22B PILATES & YOGA

SLO 1. Identify the principles and goals for Pilates and yoga exercises.**ILO 1. 2. Creative, critical and analytical thinking****SLO 2.** Demonstrate proper technique and increasing expertise in Pilates and yoga exercises.**ILO 2. 2. Creative, critical and analytical thinking**

PHED 22BS PILATES & YOGA

SLO 1. See PHED22B for SLO**SLO 2.** See PHED 22B for SLO

PHED 22BT PILATES & YOGA

SLO 1. See PHED22B for SLO**SLO 2.** See PHED22B for SLO

PHED 22C CORE FLOW STRENGTH

SLO 1. Identify the principles and goals for Pilates and yoga exercises.

- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Demonstrate proper technique and increasing expertise in Pilates and yoga exercises.
- ILO 2. 2. Creative, critical and analytical thinking

PHED 23A TRAIL HIKING

- SLO 1. Identify the components of fitness and create a hiking program to meet personal fitness goals.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Demonstrate efficient hiking technique, use of 10 essentials (gear) and leave no trace principles.
- ILO 2. 2. Creative, critical and analytical thinking

PHED 23AS TRAIL HIKING

- SLO 1. See PHED23A for SLO
- SLO 2. See PHED23A for SLO

PHED 23AT TRAIL HIKING

- SLO 1. See PHED23A for SLO
- SLO 2. See PHED23A for SLO

PHED 23B DAY HIKING

- SLO 1. Identify the components of fitness and create a hiking program to meet personal fitness goals.
- SLO 2. Demonstrate efficient hiking techniques, proper use of 10 essentials (gear) and leave no trace principles of trail etiquette.

PHED 23C MULTI-DAY HIKING

- SLO 1. Identify the components of fitness and create a hiking program to meet personal fitness goals.
- SLO 2. Demonstrate efficient hiking techniques, proper use of 10 essentials (gear) and leave no trace principles of trail etiquette.

PHED 24 INTRODUCTION TO GOLF

- SLO 1. Demonstrate with increased proficiency the skills necessary for the full golf swing, the chip shot and putting stroke
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Demonstrate proper etiquette and knowledge of rules for golf course play
- ILO 2. 2. Creative, critical and analytical thinking

PHED 24A SKILL DEVELOPMENT FOR THE EXPERIENCED GOLFER

- SLO 1. Demonstrate with increasing proficiency effective club selection for golf course play
- SLO 2. Develop improved expertise and playing competency for golf course play

PHED 24B SKILLS OF GOLF COURSE PLAY

- SLO 1. Demonstrate with increasing degree of proficiency advanced golf skills including drive, bunker shots and putting.
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Demonstrate with increasing proficiency and improvement in scoring in golf course play
- ILO 2. 2. Creative, critical and analytical thinking

PHED 24S INTRODUCTION TO GOLF

- SLO 1. See PHED24 for SLO
- SLO 2. See PHED24 for SLO

PHED 24T INTRODUCTION TO GOLF

- SLO 1. See PHED24 for SLO

SLO 2. See PHED24 for SLO

- PHED 25A SWING ANALYSIS
 SLO 1. Demonstrate the skills necessary to execute a fundamentally sound golf swing
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Demonstrate the ability to recognize and correct swing faults.
 ILO 2. 2. Creative, critical and analytical thinking
- PHED 26 BEGINNING TENNIS SKILLS
 SLO 1. Perform with increased proficiency the skill sets and techniques of beginning tennis. (rubric – checklist)
 SLO 2. Demonstrate and explain the basic strategies and rules of tennis. (rubric – cognitive)
- PHED 26A INTERMEDIATE/ADVANCED TENNIS
 SLO 1. Perform with increased proficiency the skill sets and techniques of intermediate/advanced tennis. (rubric – checklist)
 SLO 2. Demonstrate and explain the advanced strategies at the intermediate/advanced tennis level. (rubric – cognitive)
- PHED 27 WALK FOR HEALTH
 SLO 1. Design and practice personal training programs for increased cardiovascular benefits
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Demonstrate proper body mechanics for fitness walking
 ILO 2. 2. Creative, critical and analytical thinking
- PHED 27A RUN FOR FITNESS
 SLO 1. Practice progressively increasing running distances with improved times
 SLO 2. Understand the fluids, nutrients and caloric requirements for training
- PHED 27AS RUN FOR FITNESS
 SLO 1. See PHED27A for SLO
 SLO 2. See PHED 27A for SLO
- PHED 27AT RUN FOR FITNESS No SLOs on file.
- PHED 27S WALK FOR HEALTH
 SLO 1. See PHED 27 for SLO
 SLO 2. See PHED 27 for SLO
- PHED 27T WALK FOR HEALTH No SLOs on file.
- PHED 28 SLOW PITCH SOFTBALL
 SLO 1. Perform with increasing degree of proficiency the basic skills for softball
 SLO 2. Perform sport training in team play at a level for college participation
- PHED 29 FUTSAL-INDOOR SOCCER
 SLO 1. Perform with an increasing degree of proficiency futsal soccer techniques
 SLO 2. Understand the rules and regulations of futsal soccer
- PHED 29A TOURNAMENT SOCCER
 SLO 1. Perform soccer skills in game play for tournament soccer competition
 SLO 2. Given a selection of offensive and defensive game plays, provide an analysis of play selection and make recommendations for improvement
- PHED 30 WINTER SPORTS CONDITIONING
 SLO 1. Be able to identify and implement proper aerobic and strength exercises for winter activity.

SLO 2. Identify the major muscle groups that are used for winter sports.

- PHED 34A INTERCOLLEGIATE SOCCER (WOMEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of soccer.
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Describe the technical and tactical skills of soccer.
 ILO 2. 2. Creative, critical and analytical thinking
- PHED 34B INTERCOLLEGIATE VOLLEYBALL (WOMEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of volleyball.
 SLO 2. Describe the technical and tactical skills of volleyball.
- PHED 34C INTERCOLLEGIATE BASKETBALL (WOMEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of basketball.
 SLO 2. Describe the technical and tactical skills of basketball.
- PHED 34D INTERCOLLEGIATE TENNIS (WOMEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of tennis.
 SLO 2. Describe the technical and tactical skills of tennis.
- PHED 34E INTERCOLLEGIATE SOFTBALL (WOMEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of softball.
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Describe the technical and tactical skills of softball.
 ILO 2. 2. Creative, critical and analytical thinking
- PHED 34F INTERCOLLEGIATE GOLF (WOMEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of golf.
 SLO 2. Describe the technical and tactical skills of golf.
- PHED 34G INTERCOLLEGIATE DANCE PERFORMANCE
 SLO 1. Students will have explored fundamental dance technique and skills necessary for public performance.
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Students will have practical experience in the production aspects of dance.
 ILO 2. 2. Creative, critical and analytical thinking
- PHED 34H PRE-SEASON CONDITIONING
 SLO 1. Practice with increasing proficiency a program for improved cardiovascular fitness
 SLO 2. Demonstrate safe and appropriate use of resistance training machines and free weights
- PHED 34J SPORTS TECHNIQUES & CONDITIONING No SLOs on file.
- PHED 35A INTERCOLLEGIATE SOCCER (MEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of soccer.
 SLO 2. Describe the technical and tactical skills of soccer.
- PHED 35B INTERCOLLEGIATE FOOTBALL (MEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of football.
 SLO 2. Describe the technical and tactical skills of football.

- PHED 35C INTERCOLLEGIATE BASKETBALL (MEN)
 SLO 1. Students will demonstrate improvement in the execution of fundamental basketball skills.
 SLO 2. Students will display a comprehensive knowledge of game preparation strategy.
- PHED 35D INTERCOLLEGIATE TENNIS (MEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of tennis.
 SLO 2. Describe the technical and tactical skills of tennis.
- PHED 35E INTERCOLLEGIATE GOLF (MEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of golf.
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Describe the technical and tactical skills of golf.
 ILO 2. 2. Creative, critical and analytical thinking
- PHED 35F INTERCOLLEGIATE SWIMMING (MEN & WOMEN)
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of swimming.
 SLO 2. Describe the technical and tactical skills of swimming.
- PHED 35G INTERCOLLEGIATE WATER POLO
 SLO 1. Perform with an increasing degree of proficiency the offensive and defensive skills of water polo.
 SLO 2. Describe the technical and tactical skills of water polo.
- PHED 36 INDOOR ARCHERY
 SLO 1. Perform with increased proficiency the techniques for successful archery. (rubric – checklist)
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Demonstrate and explain proper shooting technique and mental preparation. (rubric – cognitive)
 ILO 2. 2. Creative, critical and analytical thinking
- PHED 37 BADMINTON: SINGLES & DOUBLES
 SLO 1. Be able to identify and implement the major strokes in badminton
 SLO 2. Know and implement the rules of badminton in a game situation.
- PHED 38A BASKETBALL FUNDAMENTALS
 SLO 1. Students will demonstrate improvement in fundamental basketball skills.
 SLO 2. Students will demonstrate a comprehensive understanding of game rules.
- PHED 38AS BASKETBALL FUNDAMENTALS
 SLO 1. See PHED 38A for SLO
 SLO 2. See PHED 38A for SLO
- PHED 38AT BASKETBALL FUNDAMENTALS No SLOs on file.
- PHED 38B BASKETBALL GAME SKILLS
 SLO 1. Perform basketball game skills in game play appropriate for intramural competition.
 SLO 2. Develop individual contemporary basketball skills
- PHED 39 INDOOR SOCCER
 SLO 1. Perform with increased proficiency the indoor soccer skills of kicking, shooting, passing and dribbling
 SLO 2. Demonstrate knowledge of rules, regulations and sport etiquette for indoor soccer

- PHED 40 BEGINNING VOLLEYBALL
 SLO 1. Demonstrate the basic fundamentals for volleyball play
 SLO 2. Perform with an increasing degree of proficiency the offensive and defensive skills of volleyball.
- PHED 41 INDOOR CYCLING-SPIN
 SLO 1. Develop improved cardiovascular conditioning through spinning
 SLO 2. Practice safe and effective warm-up and cool-down exercises for cardiovascular training
- PHED 41A CARDIO INTERVALS: HILLS & SPRINTS No SLOs on file.
 PHED 41S INDOOR CYCLING-SPIN
 SLO 1. See PHED41 for SLO
 SLO 2. See PHED41 for SLO
- PHED 41T INDOOR CYCLING-SPIN
 SLO 1. See PHED41 for SLO
 SLO 2. See PHED 41 for SLO
- PHED 42 BOWLING FOR FITNESS
 SLO 1. Perform with an increasing degree of proficiency the skills and strategies of competitive bowling
 SLO 2. Demonstrate safe and appropriate use of bowling equipment
- PHED 45 FITNESS FOR LIFE
 SLO 1. Design and demonstrate a safe and effective cardio-respiratory program.
 SLO 2. Demonstrate safe and appropriate use of resistance training equipment
- PHED 45X HEALTH & FITNESS ACTIVITIES
 SLO 1. Demonstrate safe and effective use of resistance training equipment
 SLO 2. Design and implement a personal training program applying fitness principles to produce desired training effects
- PHED 46 WEIGHT LIFTING FOR HEALTH & FITNESS
 SLO 1. Design and implement a strength training workout applying resistance principles to produce desired training effects
 SLO 2. Demonstrate safe and appropriate use of resistance training machines and free weights
- PHED 46A CORE FLOW STRENGTH TRAINING
 SLO 1. Design and implement a strength training work-out using balls, weights and core exercises
 SLO 2. Demonstrate increasing proficiency in core strength
- PHED 47B THIGHS, ABS & GLUTEUS (TAG)
 SLO 1. Design and practice a training program for increasing strength and endurance in thighs, abs and gluteus muscles
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. Demonstrate safe and effective warm-ups and cool-downs for endurance exercise
 ILO 2. 2. Creative, critical and analytical thinking
- PHED 47BS THIGHS, ABS & GLUTEUS (TAG)
 SLO 1. See PHED 47B for SLO
 ILO 1. 2. Creative, critical and analytical thinking
 SLO 2. See PHED47B for SLO
 ILO 2. 2. Creative, critical and analytical thinking

PHED 47BT	THIGHS, ABS & GLUTEUS (TAG)	
	SLO 1. See PHED47B for SLO	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. See PHED47B for SLO	
	ILO 2. 2. Creative, critical and analytical thinking	
PHED 47C	CARDIO PUMP	
	SLO 1. Demonstrate cardiovascular fitness improvements in a personal strength program	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Demonstrate safe and appropriate use of strength apparatus and tools.	
	ILO 2. 2. Creative, critical and analytical thinking	
PHED 47CS	CARDIO STRENGTH & SCULPT	
	SLO 1. See PHED47C for SLO	
	SLO 2. See PHED47C for SLO	
PHED 47CT	CARDIO STRENGTH & SCULPT	
	SLO 1. See PHED47C for SLO	
	SLO 2. See PHED47C for SLO	
PHED 49A	SURVIVOR TRAINING	
	SLO 1. Design and practice sports fitness drills for increased strength.	
	SLO 2. Demonstrate safe and appropriate use of free weights and other strength training apparatus.	
PHED 49B	BOOT CAMP TRAINING	
	SLO 1. Analyze the components for a complete fitness program	
	SLO 2. Customize fitness program to meet individual needs and ability	
PHED 49BS	BOOT CAMP TRAINING	No SLOs on file.
PHED 50C	NUTRITIONAL ASSESSMENT & FITNESS	
	SLO 1. Design personal assessment profile for nutrition and fitness	
	SLO 2. Understand RDA's and food pyramid	
PHED 52	GOLF ACTIVITIES	
	SLO 1. Demonstrate with increasing proficiency basic golf strokes	
	ILO 1. 2. Creative, critical and analytical thinking	
	SLO 2. Explain handicapping procedures	
	ILO 2. 3. Computation	
PHED 53	HEALTH & FITNESS ACTIVITIES	
	SLO 1. Design and practice a personal cardiovascular program based on desired training effects	
	SLO 2. Demonstrate safe and effective use of resistance training equipment	
PHED 60	SPECIAL PROJECTS IN PHYSICAL EDUCATION	
	SLO 1. Develop individual project related to the knowledge and activities of physical education	
	SLO 2. Demonstrate a basic understanding of kinesiology and exercise physiology through special project in physical education	
PHED 60S	SPECIAL PROJECTS IN PHYSICAL EDUCATION	No SLOs on file.
PHED 60T	SPECIAL PROJECTS IN PHYSICAL EDUCATION	No SLOs on file.
PHED 62A	CLINICAL EXPERIENCES IN SPORTS MEDICINE I	
	SLO 1. Perform preventative ankle taping	
	ILO 1. 3. Computation	

SLO 2. Perform stretching techniques for the upper and lower extremity

ILO 2. 3. Computation

PHED 62B CLINICAL EXPERIENCES IN SPORTS MEDICINE II

SLO 1. Perform soft tissue massage techniques

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Describe theoretical use of therapeutic modalities

ILO 2. 2. Creative, critical and analytical thinking

PHED 62C CLINICAL EXPERIENCES IN SPORTS MEDICINE III

SLO 1. Demonstrate foot, ankle, and lower leg injury evaluation

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Identify muscles used during various free weight and variable resistance machine exercises

ILO 2. 2. Creative, critical and analytical thinking

PHED 62D CLINICAL EXPERIENCES IN SPORTS MEDICINE IV

SLO 1. Demonstrate shoulder injury evaluation

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Design functional rehabilitation program for the lower extremity

ILO 2. 2. Creative, critical and analytical thinking

PHED 62E CLINICAL EXPERIENCES IN SPORTS MEDICINE V

SLO 1. Design comprehensive rehabilitation program

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. Demonstrate mastery of course material in a capstone project

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

PHED 65A PNF:INTRODUCTION TO THE UPPER EXTREMITY

SLO 1. Perform upper extremity stretching demonstrating techniques of PNF.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Perform upper extremity strengthening demonstrating techniques of PNF.

ILO 2. 2. Creative, critical and analytical thinking

PHED 65B PNF: INTRODUCTION TO THE LOWER EXTREMITY

SLO 1. The student will perform lower extremity muscle stretching implementing techniques of PNF.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. The student will perform lower extremity muscle strengthening implementing techniques of PNF.

ILO 2. 2. Creative, critical and analytical thinking

PHED 66 FIRST AID & CPR/AED

SLO 1. Qualify for American Red Cross Certification in CPR/AED for the Adult, Child and Infant, CPR/AED for the Professional Rescuer or First Aid

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Perform Life Saving Skills

ILO 2. 2. Creative, critical and analytical thinking

PHED 67A PREVENTION OF ATHLETIC INJURIES

SLO 1. The student will demonstrate proficiency in the techniques of ankle taping to prevent injury.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. The student will design a warm up program to prevent musculoskeletal injuries.

ILO 2. 2. Creative, critical and analytical thinking

PHED 67B EMERGENCY ATHLETIC INJURY CARE

SLO 1. The student will qualify for American Red Cross CPR Certification.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. The student will qualify for American Red Cross First Aid Certification

ILO 2. 2. Creative, critical and analytical thinking

PHED 67C TREATMENT & REHABILITATION OF ATHLETIC INJURIES

SLO 1. The student will design a Year Round Conditioning Program for a rehabilitating athlete.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. The student will design a Injury Rehabilitation Program for an injured athlete.

ILO 2. 2. Creative, critical and analytical thinking

PHED 73 INTERNSHIP FOR PERSONAL TRAINING

No SLOs on file.

PHED 601 SPORTS TECHNIQUES & CONDITIONING

No SLOs on file.

14 of 21 Course IDs for *PHIL* in the Business and Social Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
PHIL 1	CRITICAL THINKING & WRITING	
	SLO 1. Identify and distinguish the constituent parts of an argument (premises and conclusion) within a persuasive text or speech.	
	SLO 2. Evaluate persuasive text or speech through the identification of common logical fallacies.	
PHIL 2	INTRODUCTION TO SOCIAL & POLITICAL PHILOSOPHY	
	SLO 1. Identify significant political theories held by major philosophers (ex. Plato, Aristotle, Hobbes, Hegel etc.) and/or philosophic schools of thought.	
	SLO 2. Explain and evaluate historically important philosophical arguments regarding aspects of political theory.	
PHIL 4	INTRODUCTION TO PHILOSOPHY	
	SLO 1. Identify significant theories held by major philosophers (ex. Plato, Descartes, Hume, Sartre etc.) and/or philosophic schools of thought (ex. ontological dualism, materialism idealism etc.)	
	SLO 2. Explain and evaluate historically important philosophical arguments.	
PHIL 7	INTRODUCTION TO SYMBOLIC LOGIC	
	SLO 1. Determine whether a deductive argument is valid or invalid.	
	SLO 2. Successfully translate real language arguments into symbolic form.	
PHIL 8	ETHICS	
	SLO 1. Identify and explain major ethical theories.	
	SLO 2. Analyze and evaluate ethical arguments regarding contemporary social issues.	
PHIL 11	INTRODUCTION TO THE PHILOSOPHY OF ART	
	SLO 1. To identify major aesthetic theories, defined both in terms of individual thinkers (Plato, Aristotle) and schools of thought (Marxism, structuralism, etc.).	
	SLO 2. To be able to use aesthetic theories to critically analyze works of art.	
PHIL 20A	HISTORY OF WESTERN PHILOSOPHY FROM SOCRATES THROUGH ST. THOMAS	

			<p>SLO 1. Identify significant theories held by major philosophers and/or philosophic schools of thought from the ancient through medieval periods.</p> <p>SLO 2. Explain and evaluate historically important philosophical arguments from ancient through medieval period.</p>
PHIL 20B	HISTORY OF WESTERN PHILOSOPHY FROM THE RENAISSANCE THROUGH KANT		<p>SLO 1. Identify significant theories held by major philosophers and/or philosophic schools of thought from the Modern period (17th and 18th Century).</p> <p>SLO 2. Explain and evaluate historically important philosophical arguments from the Modern period.</p>
PHIL 20C	CONTEMPORARY PHILOSOPHY: 19TH & 20TH CENTURY THOUGHT		<p>SLO 1. Identify significant theories held by major philosophers and/or philosophic schools of thought from the 19th century through the present.</p> <p>SLO 2. Explain and evaluate historically important philosophical arguments from the 19th century through the present.</p>
PHIL 22	INTRODUCTION TO WORLD RELIGIONS: THE SEARCH FOR SPIRITUAL MEANING		<p>SLO 1. Identify significant concepts, figures and/or religious thinkers from the various religions of the world.</p> <p>SLO 2. 2. Explain and analyze historically important religious concepts.</p>
PHIL 22S	INTRODUCTION TO WORLD RELIGIONS: THE SEARCH FOR SPIRITUAL MEANING		<p>SLO 1. Identify significant concepts, figures and/or religious thinkers from the various religions of the world.</p> <p>SLO 2. Identify and explain historically important religious concepts.</p>
PHIL 22T	INTRODUCTION TO WORLD RELIGIONS: THE SEARCH FOR SPIRITUAL MEANING	No SLOs on file.	
PHIL 24	COMPARATIVE WORLD RELIGIONS: EAST		<p>SLO 1. Identify significant concepts, figures and religious thinkers from the eastern religions (Hinduism, Buddhism, Confucianism Taoism, Chan, Zen etc.)</p> <p>SLO 2. Identify and explain historically important religious concepts from the eastern religions.</p>
PHIL 25	COMPARATIVE WORLD RELIGIONS: WEST		<p>SLO 1. Identify significant concepts, figures and religious thinkers (ex. Moses, Zoroaster, Jesus, Muhammad etc.) from the Western religious traditions.</p> <p>SLO 2. Explain and evaluate historically important Western religious figures and theories.</p>
PHIL 34H	HONORS INSTITUTE SEMINAR IN PHILOSOPHY	No SLOs on file.	
PHIL 35	DEPARTMENT HONORS PROJECTS IN PHILOSOPHY	No SLOs on file.	
PHIL 50	INTRODUCTION TO CRITICAL THINKING		<p>SLO 1. Identify and distinguish the constituent parts of an argument (premises and conclusion) within a persuasive text or speech.</p> <p>SLO 2. Evaluate persuasive text or speech through the identification of common logical fallacies.</p>
PHIL 56	SPECIAL PROJECTS IN PHILOSOPHY	No SLOs on file.	
PHIL 56X	SPECIAL PROJECTS IN PHILOSOPHY	No SLOs on file.	
PHIL 56Y	SPECIAL PROJECTS IN PHILOSOPHY	No SLOs on file.	
PHIL 56Z	SPECIAL PROJECTS IN PHILOSOPHY	No SLOs on file.	

49 of 40 Course IDs for *PHOT* in the Fine Arts and Communication Division 2009-2010 have SLO's.

Course ID	Title	SLO's
PHOT 1	BLACK & WHITE PHOTOGRAPHY I	<p>SLO 1. Demonstrate a working knowledge of the production processes necessary to create a silver-based photograph.</p> <p>SLO 2. Recognize the expressive qualities of light, composition, and camera settings and how they contribute meaning to a photograph.</p>
PHOT 2	BLACK & WHITE PHOTOGRAPHY II	<p>SLO 1. In the changing field of photography, it is essential that students learn how to learn. They will have to teach themselves new methods throughout their photographic studies and careers. Many photo 2 students will be majors and/or serious avocational photographers and particularly need this ability to test and try new techniques. The paper comparison assignment allows the student to have to practice their darkroom skills and assess materials for usefulness for further projects.</p> <p>Successful creation of photographic prints on a variety of photographic papers matching print quality. Thoughtful assessment of qualities of photographic papers in reflection paper.</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. This is the first class where students will make a portfolio of photographs on a theme or concept. Students will create a portfolio of photographs exploring the techniques of intermediate photography and expressing a theme or concept.</p> <p>ILO 2. 1. Communication 2. Creative, critical and analytical thinking</p>
PHOT 5	INTRODUCTION TO PHOTOGRAPHY	<p>SLO 1. Create photographs that demonstrate an understanding of light, color, and composition and communicate complex ideas.</p> <p>ILO 1. 1. Communication 2. Creative, critical and analytical thinking</p> <p>SLO 2. Assess the contributions made in this field by people from diverse cultures and backgrounds.</p> <p>ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p>
PHOT 8	PHOTOGRAPHY OF MULTICULTURAL AMERICA	<p>SLO 1. Identify the photographic process, describe the visual elements, and interpret the meaning of a photograph.</p> <p>SLO 2. Synthesize the course material on photography's role in shaping ideas about race, class, gender, sexuality and national identity in America.</p>
PHOT 8H	HONORS PHOTOGRAPHY OF MULTICULTURAL AMERICA	<p>SLO 1. Identify the photographic process, describe the visual elements, and interpret the meaning of a photograph.</p> <p>SLO 2. Synthesize the course material on photography's role in shaping ideas about race, class, gender, sexuality and national identity in America.</p>
PHOT 10	HISTORY OF PHOTOGRAPHY	<p>SLO 1. Analyze how images reflect and shape our culture. That we in the modern world get so much information from images has been an ongoing progression from the discovery of photography. And this is not just factual information, but information about what is important to us as a society, on the meaning of life, on values. From Photojournalism, Fashion Photography, Documentary photography and Fine Art photography, we create a visual conversation that parallels and enhances the written dialogue of our newspapers, magazines and books.</p> <p>ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility</p>

- SLO 2.** Assess the contributions made in this field by people from diverse cultures and backgrounds.
- ILO 2.** 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

PHOT 10H HONORS HISTORY OF PHOTOGRAPHY

- SLO 1.** Analyze how images reflect and shape our culture. That we in the modern world get so much information from images has been an ongoing progression from the discovery of photography. And this is not just factual information, but information about what is important to us as a society, on the meaning of life, on values. From Photojournalism, Fashion Photography, Documentary photography and Fine Art photography, we create a visual conversation that parallels and enhances the written dialogue of our newspapers, magazines and books.
- ILO 1.** 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- SLO 2.** Assess the contributions made in this field by people from diverse cultures and backgrounds.
- ILO 2.** 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

PHOT 11 CONTEMPORARY ISSUES IN PHOTOGRAPHY

- SLO 1.** Identify the artistic style of contemporary photographers covered in course materials.
- SLO 2.** Synthesize course material and describe how the themes explored by a photographer relate to broader social issues.

PHOT 11H HONORS CONTEMPORARY ISSUES IN PHOTOGRAPHY

- SLO 1.** Identify the artistic style of contemporary photographers covered in course materials.
- SLO 2.** Synthesize course material and describe how the themes explored by a photographer relate to broader social issues.

PHOT 13 EXPERIMENTAL PHOTOGRAPHY

- SLO 1.** Identify methods for safe handling of photographic chemical used in Experimental Photography.
- ILO 1.** 2. Creative, critical and analytical thinking 3. Computation
- SLO 2.** Students will create a portfolio of photographs exploring the concepts/techniques of experimental.
- ILO 2.** 1. Communication 2. Creative, critical and analytical thinking

PHOT 50 BLACK & WHITE PHOTOGRAPHY III

- SLO 1.** Demonstrate creative and technical mastery of at least one photographic technique.
- SLO 2.** Create a photographic portfolio whose theme/idea is coherent and consistent, and reflects a clear, personal viewpoint.

PHOT 51 ZONE SYSTEM PHOTOGRAPHY

- SLO 1.** Demonstrate the skill of calibrating photographic equipment and materials to create repeatable results.
- ILO 1.** 2. Creative, critical and analytical thinking 3. Computation
- SLO 2.** Students will create a portfolio of photographs exhibiting mastery of the concepts/techniques of zone system photography.
- ILO 2.** 1. Communication 2. Creative, critical and analytical thinking 3. Computation

PHOT 55 SPECIAL PROJECTS IN PHOTOGRAPHY

- SLO 1.** Students will self identify a goal/skill to develop and a project to illustrate this skill.
- ILO 1.** 1. Communication 2. Creative, critical and analytical thinking
- SLO 2.** Working independently is essential to the photographer. Students will write a proposal for their project where they create their own goals and schedule for meeting with the faculty and progressing on their project.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking

PHOT 57A PHOTOGRAPHIC PORTFOLIO DEVELOPMENT

SLO 1. Students will create a portfolio of 10-15 photographic images and present them in a professional manner and discuss what their portfolio in light of their career/photographic goals.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking

SLO 2. Demonstrate participation in the building of community and contribute to others growth and progress as well as demonstrating the open minded acceptance of feedback and assistance.

ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

PHOT 57B PROFESSIONAL PRACTICES IN PHOTOGRAPHY

SLO 1. Organize and manage photographic exhibition of students work in cooperation with fellow students.

ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 2. Create support materials to match student's goals in photography including but not limited to postcards, websites, resumes and business cards.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking

PHOT 63 PHOTOJOURNALISM

SLO 1. Create photographs using knowledge of photographic capture techniques and effective editing skills.

SLO 2. Identify proper and improper photojournalist behaviors and ethics.

PHOT 65A DIGITAL PHOTOGRAPHY I

SLO 1. Defines digital photography terminology and identifies basic image editing software features and their proper use.

SLO 2. Creates photo-based artwork that demonstrates proficiency in the beginning level digital photography techniques covered in course materials.

PHOT 65B DIGITAL PHOTOGRAPHY II

SLO 1. Defines digital photography terminology and identifies intermediate level image editing software features and their proper use.

SLO 2. Creates photo-based artwork that demonstrates proficiency in the intermediate level digital photography techniques covered in course materials.

PHOT 65C DIGITAL PHOTOGRAPHY III

SLO 1. Defines digital photography terminology and identifies advanced level image editing software features and their proper use.

SLO 2. Creates photo-based artwork that demonstrates proficiency in the advanced level digital photography techniques covered in course materials.

PHOT 68A DARKROOM TOPICS IN PHOTOGRAPHY

SLO 1. Student will explore the topic with time on task and develop skills to deepen proficiency in photography.

SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored.

PHOT 68B DIGITAL TOPICS IN PHOTOGRAPHY

SLO 1. Student will explore the topic with time on task and develop skills to deepen proficiency in photography.

SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored.

- PHOT 68C STUDIO LIGHTING TOPICS IN PHOTOGRAPHY
SLO 1. Student will explore the topic with time on task and develop skills to deepen proficiency in photography.
SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored.
- PHOT 68D EXPERIMENTAL TOPICS IN PHOTOGRAPHY
SLO 1. Student will explore the topic with time on task and develop skills to deepen proficiency in photography.
SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored.
- PHOT 68E LECTURE TOPICS IN PHOTOGRAPHY
SLO 1. Student will explore the topic with time on task and develop skills to deepen proficiency in photography.
SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored.
- PHOT 68F EXHIBITION TOPICS IN PHOTOGRAPHY
SLO 1. Student will explore the topic with time on task and develop skills to deepen proficiency in photography.
SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored.
- PHOT 70 INTRODUCTION TO COLOR PHOTOGRAPHY
SLO 1. Demonstrate knowledge of the principles of the interaction of color.
SLO 2. Analyze and correct photographs for better color balance.
- PHOT 71 THE PHOTOGRAPHIC BOOK
SLO 1. Construct a book illustrating facility in integrating word processing, graphics and photography
ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation
SLO 2. Demonstrate ability to use electronic imaging software and hardware to create a publication.
ILO 2. 2. Creative, critical and analytical thinking 3. Computation
- PHOT 72 DIGITAL CAMERA TECHNIQUE
SLO 1. Demonstrate in-depth awareness of and ability to use the digital camera.
ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation
SLO 2. Assess the contributions made in this field by people from diverse cultures and backgrounds.
ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- PHOT 74 STUDIO PHOTOGRAPHY TECHNIQUES
SLO 1. Identify various studio lighting equipment together with their specific use and purpose.
SLO 2. Set up and arrange studio lighting equipment in a creative and technical manner that clearly depicts the volume, texture, or shape of a 3D object.
- PHOT 78A LANDSCAPE FIELD STUDY IN PHOTOGRAPHY
SLO 1. For the 78 series, we are trying to allow exploration of a new topic, development of skills and time on task to deepen skills in photography. Students will create a small group of work or a short paper to illustrate this skill.
ILO 1. 2. Creative, critical and analytical thinking
SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored
ILO 2. 4. Community/global consciousness and responsibility

- PHOT 78B SOCIAL CONCERNS FIELD STUDY IN PHOTOGRAPHY
- SLO 1. For the 78 series, we are trying to allow exploration of a new topic, development of skills and time on task to deepen skills in photography. Students will create a small group of work or a short paper to illustrate this skill.
 - ILO 1. 2. Creative, critical and analytical thinking
 - SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored
 - ILO 2. 4. Community/global consciousness and responsibility
- PHOT 78C DOCUMENTARY FIELD STUDY IN PHOTOGRAPHY
- SLO 1. For the 78 series, we are trying to allow exploration of a new topic, development of skills and time on task to deepen skills in photography. Students will create a small group of work or a short paper to illustrate this skill.
 - ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
 - SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored.
 - ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- PHOT 78D MUSEUM/GALLERY FIELD STUDY IN PHOTOGRAPHY
- SLO 1. For the 78 series, we are trying to allow exploration of a new topic, development of skills and time on task to deepen skills in photography. Students will create a small group of work or a short paper to illustrate this skill.
 - ILO 1. 1. Communication 2. Creative, critical and analytical thinking
 - SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored
 - ILO 2. 4. Community/global consciousness and responsibility
- PHOT 78E TECHNIQUES FIELD STUDY IN PHOTOGRAPHY
- SLO 1. For the 78 series, we are trying to allow exploration of a new topic, development of skills and time on task to deepen skills in photography. Students will create a small group of work or a short paper to illustrate this skill.
 - ILO 1. 1. Communication 2. Creative, critical and analytical thinking
 - SLO 2. Student will be able to assess contributions of photographers from diverse cultures and backgrounds to the topic of photography being explored.
 - ILO 2. 4. Community/global consciousness and responsibility
- PHOT 150X PHOTOGRAPHY PRODUCTION LABORATORY
- SLO 1. Repeat practice in photographic processes and procedures to yield greater consistency of results.
 - SLO 2. Experiment with various approaches to darkroom processes and studio techniques to expand visual expression skill-set.
- PHOT 180 PHOTOGRAPHIC PRACTICES
- SLO 1. Use darkroom equipment to aid in efficient production of photographs.
 - SLO 2. Experiment with equipment to embrace both anticipated and unexpected results.
- PHOT 190 DIRECTED STUDY
- SLO 1. Students will self identify a goal/skill to develop and a project to illustrate this skill.
 - ILO 1. 1. Communication 2. Creative, critical and analytical thinking
 - SLO 2. Working independently is essential to the photographer. Students will write a proposal for their project where they create their own goals and schedule for meeting with the faculty and progressing on their project.
 - ILO 2. 1. Communication 2. Creative, critical and analytical thinking

- PHOT 190X DIRECTED STUDY
SLO 1. Students will self identify a goal/skill to develop and a project to illustrate this skill.
ILO 1. 1. Communication 2. Creative, critical and analytical thinking
SLO 2. Working independently is essential to the photographer. Students will write a proposal for their project where they create their own goals and schedule for meeting with the faculty and progressing on their project.
ILO 2. 1. Communication 2. Creative, critical and analytical thinking
- PHOT 190Y DIRECTED STUDY
SLO 1. Students will self identify a goal/skill to develop and a project to illustrate this skill.
ILO 1. 1. Communication 2. Creative, critical and analytical thinking
SLO 2. Working independently is essential to the photographer. Students will write a proposal for their project where they create their own goals and schedule for meeting with the faculty and progressing on their project.
ILO 2. 1. Communication 2. Creative, critical and analytical thinking
- PHOT 190Z DIRECTED STUDY
SLO 1. Students will self identify a goal/skill to develop and a project to illustrate this skill.
ILO 1. 1. Communication 2. Creative, critical and analytical thinking
SLO 2. Working independently is essential to the photographer. Students will write a proposal for their project where they create their own goals and schedule for meeting with the faculty and progressing on their project.
ILO 2. 1. Communication 2. Creative, critical and analytical thinking

17 of 17 Course IDs for *PHT* in the Biological and Health Sciences Division 2009-2010
 have SLO's.

Course ID	Title	SLO's
PHT 50	ORIENTATION TO PHARMACY TECHNOLOGY	SLO 1. State all the technician's primary job responsibilities, the duties falling under each job, and how their jobs differ from the primary responsibilities of the pharmacist. ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility SLO 2. Interpret, read, write, understand, communicate and define medical and pharmaceutical terminology as used in retail and hospital pharmacy. ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
PHT 51	BASIC PHARMACEUTICS	SLO 1. Identify and utilize the naming systems, source, use, biotransformation and biodynamics, variables in drug responses and record keeping of available pharmaceutical supplies. ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility SLO 2. Demonstrate handling and mandatory record keeping for drugs requiring special handling (scheduled drugs, BTC's, IND's, etc.). ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
PHT 52A	INPATIENT DISPENSING	SLO 1. Demonstrate proficiency in inventory, purchasing, automated and manual drug processing and compounding procedures in the inpatient pharmacy setting. ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 2. Maintain required legal records of controlled substances, compounded medications, inventory, recalls, IND's and other specialized products in an inpatient pharmacy.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

PHT 52B **ASEPTIC TECHNIQUE & IV PREPARATION**

SLO 1. Describe the main components of the infection cycle and factors affecting survival of bacteria and utilize various methods of preventing the spread of micro-organisms and contaminants.

ILO 1. 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. Introduction to aseptic compounding principles, techniques, precautions, and regulations governing preparation of sterile compounds

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

PHT 53 **AMBULATORY PHARMACY PRACTICE**

SLO 1. Demonstrate understanding and implement skills needed to effectively and competently perform a technician job in an ambulatory pharmacy when controlling inventory functions, prescription processing, dispensing and medical insurance.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. Demonstrate and utilize legal and appropriate interpersonal communication skills when interacting with patients, in person and the phone, and pharmacy personnel

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

PHT 54A **DOSAGE CALCULATIONS A**

SLO 1. Review basic mathematical functions as required for calculations of pharmaceutical dosages, temperatures, and measurements.

ILO 1. 2. Creative, critical and analytical thinking 3. Computation

SLO 2. Perform calculations and conversions utilizing metric, apothecary, household systems utilizing exact and approximate equivalents as appropriate.

ILO 2. 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

PHT 54B **DOSAGE CALCULATIONS B**

SLO 1. Calculate the correct oral and parenteral safe dosages of drugs using information derived from prescriptions, drug labels, package inserts and medical orders using proper medical and pharmaceutical notation.

ILO 1. 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. Accurately calculate and utilize the required ingredients for compounding pharmaceutical products from the various physician orders.

ILO 2. 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

PHT 55A **PHARMACOLOGY A**

SLO 1. Describe the basic anatomy and physiology of the nervous, endocrine, digestive, urinary, and reproductive systems.

ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 2. Identify common pathophysiology of the nervous, endocrine, digestive, urinary and reproductive systems and the prescription and non-prescription remedies, problems and dosages of the treatments.

ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

- PHT 55B PHARMACOLOGY B
- SLO 1.** Describe the basic anatomy and physiology of body tissues and membranes,integumentary,skeletal,muscular,cardiac,vascular, respiratory and lymphatic systems.
- ILO 1.** 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- SLO 2.** Identify common pathophysiology of body tissues and membranes, integumentary,muscular,skeletal,cardiac,vascular,respiratory and lymphatic systems and prescription/non-prescription remedies,side effects and dosages.
- ILO 2.** 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- PHT 56A DISPENSING & COMPOUNDING A
- SLO 1.** Interpret, evaluate and prepare non-sterile solid and liquid pharmaceutical dosage forms for oral use utilizing prescription orders.
- ILO 1.** 2. Creative, critical and analytical thinking 3. Computation
- SLO 2.** Document and maintain records of pharmaceutical compounding,dispensing,storage and packaging.
- ILO 2.** 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility
- PHT 56B DISPENSING & COMPOUNDING B
- SLO 1.** Accurately utilize common pharmaceutical measuring, weighing and compounding devices to compound topical, transdermal,rectal,vaginal,ophthalmic and otic dosage forms using prescription orders.
- ILO 1.** 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility
- SLO 2.** Accurately apply required record keeping functions,labeling,storage and packaging to compounded topical,transdermal,rectal,vaginal,ophthalmic and otic prescriptions
- ILO 2.** 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility
- PHT 60A RETAIL CLINICAL I
- SLO 1.** Understand and practice the structure, policies and procedures of the retail pharmacy and prescription dispensing.
- ILO 1.** 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- SLO 2.** Observe legal and ethical guidelines while dispensing retail prescriptions, recording patient information and communicating with patients and pharmacy personnel.
- ILO 2.** 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- PHT 60B RETAIL CLINICAL II
- SLO 1.** Practice assisting the pharmacist in all functions of the retail pharmacy to include collection of information,distribution of medications,billing, third party collections, inventory and file maintenance.
- ILO 1.** 1. Communication 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility
- SLO 2.** Effectively interview patients, their representatives, or their care-givers to collect pertinent information for use by the pharmacist.
- ILO 2.** 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- PHT 61 HOME HEALTHCARE SUPPLIES

SLO 1. Demonstrate skill in assisting patients with conditions that require pharmacist attention and competently assist pharmacist with test and devices available for those conditions or health screening.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 2. Define alternative forms of healthcare and supplements and their place in the total health care picture.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

PHT 62A HOSPITAL CLINICAL I

SLO 1. Understand and practice the structure, policies and procedures of the in-patient pharmacy and distribution of prescriptions

ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

SLO 2. Assist the pharmacist, at the discretion of the pharmacist, in collecting, organizing, and evaluating information for patient care, drug use review, purchasing, storage, dispensing, and departmental management.

ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility

PHT 62B HOSPITAL CLINICAL II

SLO 1. Extend practice of assisting the pharmacist in collecting, organizing, and evaluating information for patient care, drug use review, and departmental management and drug distribution and storage systems while in full compliance with federal, state, and local laws, regulations and professional standards..

ILO 1. 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

SLO 2. Calculate, compound, label, document, dispense and/or store parenteral and other products requiring aseptic preparation, at the discretion of the preceptor pharmacist.

ILO 2. 2. Creative, critical and analytical thinking 3. Computation 4. Community/global consciousness and responsibility

PHT 200L PHARMACY TECHNICIANS AS A CAREER

SLO 1. State the requirements for admission, technical standards, schedule, legal requirements of the Pharmacy Technician Program and federal and state laws.

ILO 1. 1. Communication 2. Creative, critical and analytical thinking

SLO 2. Evaluate the pros and cons of the role of the pharmacy technician in providing health care utilizing interviews during a pharmacy visitation.

ILO 2. 1. Communication 2. Creative, critical and analytical thinking

14 of 19 Course IDs for *PHYS* in the Physical Sciences, Mathematics & Engineering Division have SLO's. 2009-2010

Course ID	Title	SLO's
PHYS 2A	GENERAL PHYSICS	<p>SLO 1. Students will demonstrate competence in Kinematics.</p> <p>SLO 2. Students will demonstrate competence in Newton's Laws.</p> <p>SLO 3. Students will demonstrate competence in the concept of Energy.</p> <p>SLO 4. Students will demonstrate competence in the concept of Momentum.</p> <p>SLO 5. Lab experiments should teach students the background science, error analysis, and how to perform experiments.</p>
PHYS 2B	GENERAL PHYSICS	

- SLO 1.** Students should understand the following concepts from electricity:
- 1 Forces between charges
 - 2 The relationship between charges, fields and forces
 3. The concept of a potential
 4. Basic Circuits (capacitors, resistors and inductors)
- SLO 2.** Students should understand the following concepts from magnetism:
1. The effect of a magnetic field upon a moving charge
 2. The generation of magnetic fields from current distributions
 3. The creation of electric fields from changing magnetic fluxes (induced EMF)
- SLO 3.** Students should understand the following concepts from Thermodynamics:
1. Distinctions between temperature, heat and energy.
 2. PV diagrams
 3. First and Second Laws of Thermodynamics
- SLO 4.** Lab experiments should teach students the background science, error analysis, and how to perform experiments.

PHYS 2C

GENERAL PHYSICS

- SLO 1.** Students should demonstrate competence in waves, including:
- Sound
 - E&M Waves
 - Interference
- SLO 2.** Students should demonstrate competence in optics, including:
- Reflection
 - Refraction
 - Lenses
 - Mirrors
- SLO 3.** Students should demonstrate competence in Modern Physics, including
- Special Relativity
 - Wave Nature of Quantum Physics
- SLO 4.** Labs experiments should teach the students the background science, error analysis and how to perform experiments.

PHYS 4A

GENERAL PHYSICS (CALCULUS)

- SLO 1.** Competence in the following areas - Kinematics, Newton's Laws, Energy, and Momentum
- SLO 2.** Lab experiments should teach students the background science, error analysis, and how to perform experiments.

PHYS 4B

GENERAL PHYSICS (CALCULUS)

- SLO 1.** Students should understand the following concepts from electricity:
- 1 Forces between charges
 - 2 The relationship between charges, fields and forces
 3. The concept of a potential
 4. Basic Circuits (capacitors, resistors and inductors)
- SLO 2.** Students should understand the following concepts from magnetism:
1. The effect of a magnetic field upon a moving charge
 2. The generation of magnetic fields from current distributions
 3. The creation of electric fields from changing magnetic fluxes (induced EMF)
- SLO 3.** Students should understand how Maxwell's Equations govern electric and magnetic fields.
- SLO 4.** Lab experiments should teach students the background science, error analysis, and how to perform experiments.
- ILO 4.** 2. Creative, critical and analytical thinking

PHYS 4C

GENERAL PHYSICS (CALCULUS)

- SLO 1.** Students should understand the following concepts about waves:
1. wave motion and energy transport by waves,
 2. reflection and transmission, interference and standing waves,
 3. intensity of sound and interference of sound
 4. Doppler effect

SLO 2. Students should understand the following concepts Thermal physics:

1. Temperature, internal energy and heat transfer
2. Specific heat and Calorimetry
3. Zeroth, first, and second law of thermodynamics
4. Thermal processes and heat engines

SLO 3. Students should understand the following concepts about optics:

1. Index of refraction and Snell's law
2. Image formed by reflection and refraction
3. Thin lens and lens maker equation
4. Optical instruments
5. Interference in Young's double slit experiment and thin film
6. Single slit diffraction and limits of resolution

PHYS 4D	GENERAL PHYSICS (CALCULUS)	
	SLO 1. Students should have both a conceptual and computational understanding of Einstein's theory of special relativity.	
	ILO 1. 2. Creative, critical and analytical thinking 3. Computation	
	SLO 2. Students should have an understanding of the Schrodinger Equation and be able to solve problems with introductory-level potentials.	
	ILO 2. 2. Creative, critical and analytical thinking 3. Computation	
	SLO 3. The lab experiments should give students deeper understanding into the historical experiments that form the basis of modern physics and the science involved.	
	ILO 3. 1. Communication 2. Creative, critical and analytical thinking 3. Computation	
PHYS 5A	GENERAL PHYSICS (CALCULUS) EXTENDED	No SLOs on file.
PHYS 5B	GENERAL PHYSICS (CALCULUS) EXTENDED	No SLOs on file.
PHYS 5C	GENERAL PHYSICS (CALCULUS) EXTENDED	No SLOs on file.
PHYS 6	INTRODUCTORY PHYSICS	
	SLO 1. Students should understand the following basic concepts from mechanics: Kinematics, Newton's Laws, Energy, and Momentum	
	SLO 2. Students should understand the following basic concepts from Electricity: Charges, electric forces and electric field.	
PHYS 12	INTRODUCTION TO MODERN PHYSICS	No SLOs on file.
PHYS 34H	HONORS INSTITUTE SEMINAR IN PHYSICS	
	SLO 1. Students have a physical/conceptual understanding of a topic investigated in class.	
	SLO 2. Students have a mathematical understanding of a topic investigated in class.	
PHYS 36	SPECIAL PROJECTS IN PHYSICS	
	SLO 1. Students have a understanding of a topic investigated in class.	
	SLO 2. Students can convey this understanding in written and/or oral form.	
PHYS 36X	SPECIAL PROJECTS IN PHYSICS	
	SLO 1. Students have a understanding of a topic investigated in class.	
	SLO 2. Students can convey this understanding in written and/or oral form.	
PHYS 36Y	SPECIAL PROJECTS IN PHYSICS	
	SLO 1. Students have a understanding of a topic investigated in class.	
	SLO 2. Students can convey this understanding in written and/or oral form.	
PHYS 100	PHYSICS STUDENT ASSISTANCE	No SLOs on file.
PHYS 100X	PHYSICS STUDENT ASSISTANCE	No SLOs on file.
PHYS 100Y	PHYSICS STUDENT ASSISTANCE	No SLOs on file.

9 of 15 Course IDs for *POLI* in the Business and Social Sciences Division have SLO's.

2009-2010

Course ID	Title	SLO's
POLI 1	POLITICAL SCIENCE: INTRODUCTION TO AMERICAN GOVERNMENT & POLITICS	<p>SLO 1. Understand and utilize a variety of theoretical approaches to the analysis of institutional/policy outcomes of government.</p> <p>SLO 2. Analytical use of concepts and research to support hypotheses and conclusions.</p>
POLI 2	COMPARATIVE GOVERNMENT & POLITICS	<p>SLO 1. Compare and contrast governmental systems to understand theories concerning both democratization and social justice (human rights, unemployment, equitable distribution, etc.).</p> <p>SLO 2. Critically analyze concepts and apply research to support hypothesis about course content.</p>
POLI 2H	HONORS COMPARATIVE GOVERNMENT & POLITICS	<p>SLO 1. Compare and contrast governmental systems to understand theories concerning both democratization and social justice (human rights, unemployment, equitable distribution, etc).</p> <p>SLO 2. Critically analyze concepts and apply research to support hypotheses and conclusions about course content.</p>
POLI 3	INTRODUCTION TO POLITICAL PHILOSOPHY/POLITICAL THEORY	<p>SLO 1. 1. Critically Analyze the historical development of political thought focusing on the works of any of the following political philosophies: Augustine & Aquinas, Machiavelli and Hobbes, Locke & Rousseau, Bentham and Mill, Hegel and Marx, Antonio Gramsci.</p> <p>SLO 2. 2. Critically analyze any of the models of political justification, forms of the state, civil and political society, and their institutional manifestation in government.</p>
POLI 3H	HONORS INTRODUCTION TO POLITICAL PHILOSOPHY/POLITICAL THEORY	<p>SLO 1. 1. Critically Analyze the historical development of political thought focusing on the works of any of the following political philosophies: Augustine & Aquinas, Machiavelli and Hobbes, Locke & Rousseau, Bentham and Mill, Hegel and Marx, Antonio Gramsci.</p> <p>SLO 2. 2. Critically analyze any of the models of political justification, forms of the state, civil and political society, and their institutional manifestation in government.</p>
POLI 9	POLITICAL ECONOMY	<p>SLO 1. Critically Analyze contending Theoretical Formulations of the International Political Economy</p> <p>SLO 2. Critically Analyze contending theoretical formulations on Development and Underdevelopment</p>
POLI 9H	HONORS POLITICAL ECONOMY	<p>SLO 1. Critically Analyze contending Theoretical Formulations of the International Political Economy</p> <p>SLO 2. Critically Analyze contending theoretical formulations on Development and Underdevelopment</p>
POLI 15	INTERNATIONAL RELATIONS/WORLD POLITICS	<p>SLO 1. 1. Critically analyze any of the contending theoretical formulations of International Relations: Liberalism/Neoliberalism institutionalism, Realism and Non-realism, the Radical Perspective, Constructivism, Hegemonic Stability Theory.</p> <p>SLO 2. 2. Critically analyze the role of the United States in the International Political Economy:</p>
POLI 15H	HONORS INTERNATIONAL RELATIONS/WORLD POLITICS	

- SLO 1. Critically analyze any of the contending theoretical formulations of International Relations: Liberalism/Neoliberalism institutionalism, Realism and Non-realism, the Radical Perspective, Constructivism, Hegemonic Stability Theory
- ILO 1. 2. Creative, critical and analytical thinking
- SLO 2. Critically analyze the role of the United States in the International Political Economy.
- ILO 2. 4. Community/global consciousness and responsibility

POLI 34H	HONORS INSTITUTE SEMINAR IN POLITICAL SCIENCE	No SLOs on file.
POLI 35	DEPARTMENT HONORS PROJECTS IN POLITICAL SCIENCE	No SLOs on file.
POLI 36	SPECIAL PROJECTS IN POLITICAL SCIENCE	No SLOs on file.
POLI 36X	SPECIAL PROJECTS IN POLITICAL SCIENCE	No SLOs on file.
POLI 36Y	SPECIAL PROJECTS IN POLITICAL SCIENCE	No SLOs on file.
POLI 36Z	SPECIAL PROJECTS IN POLITICAL SCIENCE	No SLOs on file.

9 of 9 Course IDs for *PSE* in the Physical Sciences, Mathematics & Engineering Division have SLO's. 2009-2010

Course ID	Title	SLO's
PSE 41	CLASS PRACTICES: MIDDLE SCHOOL SCIENCE	<ul style="list-style-type: none"> SLO 1. Potential educators will understand the basic duties associated with a career in K-12 education. SLO 2. Potential educators will be made aware of current, relevant issues in the field of education. These topics will vary based on current issues, but may include topics related to learning styles, teaching styles, classroom management, No Child Left Behind and standardized state testing.
PSE 42	CLASS PRACTICES; ELEMENTARY SCHOOL SCIENCE	<ul style="list-style-type: none"> SLO 1. Refer to PSE 41. The courses are taught concurrently with field experience in K-6 SLO 2. Refer to PSE 41. The courses are taught concurrently with field experience in K-6
PSE 43	CLASS PRACTICES: HIGH SCHOOL SCIENCE	<ul style="list-style-type: none"> SLO 1. Refer to PSE 41. The courses are taught concurrently with field experience in grades 9-12 SLO 2. Refer to PSE 41. The courses are taught concurrently with field experience in grades 9-12
PSE 111	PASS THE TORCH TEAM LEADER TRAINING	<ul style="list-style-type: none"> SLO 1. The student will be able to use the Socratic method to help a student do a math problem. SLO 2. The student will be able to list other sources of help on campus to which students can be referred. SLO 3. The student will be able to describe techniques to help a student study for a math exam.
PSE 301	CAREER DEVELOPMENT THROUGH CLASSROOM OBSERVATIONS	<ul style="list-style-type: none"> SLO 1. Gain new insights on how to engage students in a lecture setting, including posing effective questions and accommodating different learning styles. SLO 2. Gain new insights on how to effectively teach a diverse class of students, including fielding students' questions and addressing disruptive students.
PSE 301X	CAREER DEVELOPMENT THROUGH CLASSROOM OBSERVATIONS	<ul style="list-style-type: none"> SLO 1. Gain new insights on how to engage students in a lecture setting, including posing effective questions and accommodating different learning styles. SLO 2. Gain new insights on how to effectively teach a diverse class of students, including fielding students' questions and addressing disruptive students.

PSE 301Y	CAREER DEVELOPMENT THROUGH CLASSROOM OBSERVATIONS	<p>SLO 1. Gain new insights on how to engage students in a lecture setting, including posing effective questions and accommodating different learning styles.</p> <p>SLO 2. Gain new insights on how to effectively teach a diverse class of students, including fielding students' questions and addressing disruptive students.</p>
PSE 301Z	CAREER DEVELOPMENT THROUGH CLASSROOM OBSERVATIONS	<p>SLO 1. Gain new insights on how to engage students in a lecture setting, including posing effective questions and accommodating different learning styles.</p> <p>SLO 2. Gain new insights on how to effectively teach a diverse class of students, including fielding students' questions and addressing disruptive students.</p>
PSE 302	PEDAGOGICAL LEADERSHIP	No SLOs on file.

14 of 19 Course IDs for *PSYC* in the Business and Social Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
PSYC 1	GENERAL PSYCHOLOGY	<p>SLO 1. Identify the reasons why psychology is a science</p> <p>SLO 2. Identify the major theoretical perspectives in psychology</p>
PSYC 4	INTRODUCTION TO PSYCHOBIOLOGY	<p>SLO 1. Each student will demonstrate their knowledge of biological processes that form the basis of all human behavior.</p> <p>SLO 2. Each student will demonstrate their knowledge of the relationship of the human brain and nervous systems.</p>
PSYC 10	INTRODUCTION TO SOCIAL RESEARCH	<p>SLO 1. Students will be able to identify specific methods used in sociological and psychological research.</p> <p>SLO 2. Students will be able to analyze research by differentiating claims, data, and findings.</p>
PSYC 14	CHILDHOOD & ADOLESCENCE	<p>SLO 1. Identify the theories and processes of physical, cognitive, social, and emotional development of the individual from conception to adolescence.</p> <p>SLO 2. Apply developmental psychological concepts, theories, and research findings as these relate to everyday life.</p>
PSYC 21	PSYCHOLOGY OF WOMEN: SEX & GENDER DIFFERENCES	<p>SLO 1. Identify and analyze effects of biology and society (i.e., the effects of culture and social interaction) on women's psychology (or psychologies, since differing cultures produce a range of psychologies).</p> <p>SLO 2. Comprehend and evaluate patriarchy's effects on women's psychology.</p>
PSYC 22	PSYCHOLOGY OF PREJUDICE	<p>SLO 1. Each student will demonstrate knowledge of principles and methods that reflect the culture and values of the five dominant ethnic groups: African American, Asian American, Hispanic, Native American and White/Non Hispanic.</p> <p>SLO 2. Each student will demonstrate their knowledge regarding the concept of stereotyping and it's relationship to discrimination.</p>

PSYC 25	INTRODUCTION TO ABNORMAL PSYCHOLOGY	
	SLO 1. Demonstrate knowledge of mental disorders	
	SLO 2. Demonstrate knowledge of common treatment modalities.	
PSYC 30	SOCIAL PSYCHOLOGY	
	SLO 1. Demonstrate knowledge of the major theories and content areas of social psychology.	
	SLO 2. Apply social psychological concepts, theories, and research findings as these relate to everyday life.	
PSYC 33	INTRODUCTION TO THE CONCEPTS OF PERSONALITY	
	SLO 1. Demonstrate knowledge of major theories of personality.	
	SLO 2. Application of theory to situations of everyday life.	
PSYC 34H	HONORS INSTITUTE SEMINAR IN PSYCHOLOGY	No SLOs on file.
PSYC 35	DEPARTMENT HONORS PROJECTS IN PSYCHOLOGY	No SLOs on file.
PSYC 36	SPECIAL PROJECTS IN PSYCHOLOGY	No SLOs on file.
PSYC 36X	SPECIAL PROJECTS IN PSYCHOLOGY	No SLOs on file.
PSYC 36Y	SPECIAL PROJECTS IN PSYCHOLOGY	No SLOs on file.
PSYC 36Z	SPECIAL PROJECTS IN PSYCHOLOGY	No SLOs on file.
PSYC 40	HUMAN DEVELOPMENT	
	SLO 1. Demonstrate knowledge of major theories of human development	
	SLO 2. Apply theories in explaining examples of human development	
PSYC 49	HUMAN SEXUALITY	
	SLO 1. Students will be able to demonstrate sufficient knowledge of the biological aspects of human sexuality.	
	SLO 2. Students will be able to discriminate between gender role and sexual orientation.	
	SLO 3. Students will be able to both identify attitudes they possess as well as differentiate between attitudes and statements of fact pertaining to subject areas of human sexuality.	
PSYC 50	PSYCHOLOGY OF CRISIS	
	SLO 1. Demonstrate knowledge of crisis intervention models	
	SLO 2. Explain application of theory to incidence of crisis in the community	
PSYC 55	PSYCHOLOGY OF SPORTS	
	SLO 1. Demonstrate knowledge of theories of sports psychology	
	SLO 2. Application of theories and techniques of optimal performance	

8 of 6 Course IDs for *R E* in the Business and Social Sciences Division have 2009-2010 SLO's.

Course ID	Title	SLO's
R E 50	REAL ESTATE PRINCIPLES	
	SLO 1. Students will be able to examine the various ways of acquiring title of real property and the manner in which title for property is held including ownership in severalty, tenancy-in-common, joint tenancy, and community property.	
	SLO 2. Students will be able to interpret the laws governing contracts in general including agency and be familiar with California Real Estate Association Agreements including, the listing agreement, deposit receipt in agreement of sale, and leave agreements.	
	SLO 3. Students will be able to understand the appraisal process including the three principle recognized methods of appraising real property and the characteristics of value, the principle forces influencing value, and how property is depreciated.	
R E 51	REAL ESTATE PRACTICES	

- SLO 1. Students will be able to understand licensing laws and Code of Professional Conduct of the State of California, steps of professionalization in the industry, and NAR Code of Ethics.
- SLO 2. Students will be able to demonstrate sufficient knowledge in the operations of real estate offices and various types of ownership available, including areas of specialization.
- SLO 3. Students will be able to demonstrate sufficient knowledge in the policy manual of individual offices.

R E 52A LEGAL ASPECTS OF REAL ESTATE I

- SLO 1. Students will be able to demonstrate sufficient knowledge of the various types of ownership interest in real property.
- SLO 2. Students will have sufficient knowledge of how to explain "prospecting", including sources, "how to" approaches, using the telephone, qualifying, and using the mail.
- SLO 3. Students will be able to identify residential income property investment business, including the effect of taxes and depreciation methods.

R E 53 REAL ESTATE FINANCE

- SLO 1. Students will have sufficient knowledge of the origination of demands for mortgage market, the capitalistic system, and the law of supply and demand.
- SLO 2. Students will have sufficient knowledge of the general market sources for mortgage funds.
- SLO 3. Students will have sufficient knowledge of various governmental agencies involved in the real estate market.

R E 54 REAL ESTATE ECONOMICS

- SLO 1. Students will have sufficient knowledge of the Government's role in the economy.
- SLO 2. Students will be able to analyze housing, commercial, industrial, rural, and recreational real estate markets.

R E 59 SURVEY OF REAL ESTATE PROPERTY MANAGEMENT

- SLO 1. Students will be able to understand the fundamentals of Property Management.
- SLO 2. Students will be able to manage income property from acquisition to disposal.
- SLO 3. Students will be able to recognize and apply the importance of cultural sensitivity in the real estate profession.

37 of 35 Course IDs for *R T* in the Biological and Health Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
R T 50	ORIENTATION TO RADIATION SCIENCE TECHNOLOGIES	<ul style="list-style-type: none"> SLO 1. Describe radiation science terms, program policies, accreditation, credentialing, certification, licensure, regulations, and various specialties and imaging modalities. SLO 2. Explain the use of medical radiation, patient care techniques, anatomy identification and positioning of the abdomen.
R T 51A	FUNDAMENTALS OF RADIOLOGIC TECHNOLOGY I	<ul style="list-style-type: none"> SLO 1. Identify proper positioning of the chest, abdomen, upper and lower extremities, pelvis and hips. SLO 2. Recall anatomy related to chest, abdomen, upper and lower extremities, pelvis and hips.
R T 51B	FUNDAMENTALS OF RADIOLOGIC TECHNOLOGY II	<ul style="list-style-type: none"> SLO 1. Identify proper positioning of the gastrointestinal tract, urinary and biliary system . ILO 1. 2. Creative, critical and analytical thinking SLO 2. Recall anatomy related to gastrointestinal tract, urinary system and biliary system.

ILO 2. 2. Creative, critical and analytical thinking

- R T 51C FUNDAMENTALS OF RADIOLOGIC TECHNOLOGY III
- SLO 1.** Identify proper positioning of the vertebral column, skull, bony thorax, and sub-special radiographic procedures.
- SLO 2.** Recall anatomy related to vertebral column, skull, bony thorax, and sub-special radiographic procedures.
- R T 52A PRINCIPLES OF RADIOLOGIC TECHNOLOGY I
- SLO 1.** Describe the parts of the x-ray tube.
- SLO 2.** Differentiate between the quality factors of mAs and kV.
- R T 52B PRINCIPLES OF RADIOLOGIC TECHNOLOGY II
- SLO 1.** Comprehend the interaction of x-ray and matter and the effect of radiographic quality factors on image production.
- ILO 1.** 2. Creative, critical and analytical thinking
- SLO 2.** Describe the fundamentals of radiobiology, radiation protection and radiation protection devices.
- ILO 2.** 1. Communication
- R T 52C PRINCIPLES OF RADIOLOGIC TECHNOLOGY III
- SLO 1.** Identify the components of the x-ray circuit.
- SLO 2.** Differentiate between step-up and step-down transformers.
- R T 52D DIGITAL IMAGE ACQUISITION & DISPLAY
- SLO 1.** Describe the application and components of a digital radiography system and a picture archiving communication system. (PACS)
- SLO 2.** Know the fundamentals of sensitometry and recognize the sections of a characteristic curve.
- R T 53 ORIENTATION TO RADIOLOGIC TECHNOLOGY
- SLO 1.** Demonstrate proper equipment manipulation, patient positioning, and anatomic image evaluation for the abdomen procedure in the clinical setting.
- SLO 2.** Perform proper assessment of vital signs and performance of safe patient transport in the radiology department.
- R T 53A APPLIED RADIOGRAPHIC TECHNOLOGY I
- SLO 1.** Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures, applying appropriate patient care and radiation protection principles in the clinical setting.
- ILO 1.** 2. Creative, critical and analytical thinking
- SLO 2.** Perform image evaluation, which includes anatomy and pathology identification for various radiographic procedures.
- ILO 2.** 2. Creative, critical and analytical thinking
- R T 53AL APPLIED RADIOGRAPHIC TECHNOLOGY LABORATORY I
- SLO 1.** Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures of the chest, abdomen and extremities, applying appropriate patient care and radiation protection principles in the laboratory setting.
- SLO 2.** Perform image evaluation and anatomy identification for selected radiographic procedures of the chest, abdomen and extremities.
- R T 53B APPLIED RADIOGRAPHIC TECHNOLOGY II
- SLO 1.** Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures, applying appropriate patient care and radiation protection principles in the clinical setting.

SLO 2. Perform image evaluation, which includes anatomy and pathology identification for various radiographic procedures.

R T 53BL APPLIED RADIOGRAPHIC TECHNOLOGY LABORATORY II

SLO 1. Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures of the Hip, Pelvis, UGI, BE and IVU, applying appropriate patient care and radiation protection principles in the laboratory setting.

ILO 1. 2. Creative, critical and analytical thinking

SLO 2. Perform image evaluation and anatomy identification for selected radiographic procedures of the Hip, Pelvis, UGI, BE and IVU.

ILO 2. 2. Creative, critical and analytical thinking

R T 53C APPLIED RADIOGRAPHIC TECHNOLOGY III

SLO 1. Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures, applying appropriate patient care and radiation protection principles in the clinical setting.

SLO 2. Perform image evaluation, which includes anatomy and pathology identification for various radiographic procedures.

R T 53CL APPLIED RADIOGRAPHIC TECHNOLOGY LABORATORY III

SLO 1. Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures of the spine, ribs and skull, applying appropriate patient care and radiation protection principles in the laboratory setting.

SLO 2. Perform image evaluation and anatomy identification for selected radiographic procedures of the spine, ribs and skull.

R T 53D APPLIED RADIOLOGIC TECHNOLOGY IV

SLO 1. Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures, applying appropriate patient care and radiation protection principles in the clinical setting.

SLO 2. Perform image evaluation, which includes anatomy and pathology identification for various radiographic procedures.

R T 54A BASIC PATIENT CARE FOR IMAGING TECHNOLOGY

SLO 1. Describe the methods for the prevention of infection to the health care worker and the patient.

SLO 2. Describe vital signs used to assess patient condition.

R T 54B LAW & ETHICS IN MEDICAL IMAGING

SLO 1. Describe the elements and implications of informed consent.

ILO 1. 4. Community/global consciousness and responsibility

SLO 2. Define specific legal doctrines to include vicarious liability, respondeat superior, and res ipsa loquitur.

ILO 2. 2. Creative, critical and analytical thinking

R T 54C RADIOGRAPHIC PATHOLOGY

SLO 1. Define basic terms related to the pathology of the respiratory, osseous, urinary, gastrointestinal, central nervous, and hemopoietic system.

SLO 2. Describe the radiographic appearance of pathology of the respiratory, osseous, urinary, gastrointestinal, central nervous, and hemopoietic system.

R T 61B RADIOLOGY RESEARCH PROJECT

SLO 1. Conduct extensive research on an assigned medical imaging topic.

SLO 2. Prepare an oral presentation and create a scientific display board on an assigned medical imaging topic.

R T 62A ADVANCED MODALITIES IN IMAGING

	SLO 1. Describe image production and basic system components in the computed tomography and magnetic resonance imaging process.	
	SLO 2. Recognize sectional anatomy of the head, neck, thorax, abdomen, spine, pelvis and extremities.	
R T 62B	SPECIAL PROCEDURES & EQUIPMENT	
	SLO 1. Describe the positioning, procedure and structures demonstrated for projections involving the facial bones, sinuses, and cranium.	
	SLO 2. Describe image production and related equipment components in the angiographic imaging process.	
R T 62C	PROFESSIONAL DEVELOPMENT IN RADIOLOGY	
	SLO 1. Describe the process of professional development and outline the steps required for continuing education and life-long learning in radiology.	
	SLO 2. Compare and contrast equipment and procedures used in a radiology department quality assurance program.	
R T 62D	APPLIED RADIOLOGIC TECHNOLOGY	No SLOs on file.
R T 63	ADVANCED RADIOGRAPHIC PRINCIPLES	
	SLO 1. Become familiar with test questions that are at the level of the national board examination that cover all aspects of the radiologic technology curriculum.	
	SLO 2. Describe and explain all radiographic positioning procedures.	
R T 63A	RADIOGRAPHIC CLINICAL PRACTICUM I	
	SLO 1. Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures, applying appropriate patient care and radiation protection principles in the clinical setting.	
	SLO 2. Perform image evaluation, which includes anatomy and pathology identification for various radiographic procedures.	
R T 63B	RADIOGRAPHIC CLINICAL PRACTICUM II	
	SLO 1. Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures, applying appropriate patient care and radiation protection principles in the clinical setting.	
	SLO 2. Perform image evaluation, which includes anatomy and pathology identification for various radiographic procedures.	
R T 63C	RADIOGRAPHIC CLINICAL PRACTICUM III	
	SLO 1. Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures, applying appropriate patient care and radiation protection principles in the clinical setting.	
	SLO 2. Perform image evaluation, which includes anatomy and pathology identification for various radiographic procedures.	
R T 63D	RADIOGRAPHIC CLINICAL PRACTICUM	
	SLO 1. Demonstrate proper equipment manipulation and positioning criteria for selected radiographic procedures, applying appropriate patient care and radiation protection principles in the clinical setting.	
	SLO 2. Perform image evaluation, which includes anatomy and pathology identification for various radiographic procedures.	
R T 64	FLUOROSCOPY	
	SLO 1. Identify and describe various types of regulatory provisions and radiation safety measures associated with fluoroscopy.	
	SLO 2. Identify components of x-ray image intensifier and state its use.	
R T 65	MAMMOGRAPHY	

- SLO 1. Demonstrate knowledge of the human structure, function, pathology and radiographic positioning relating to the human breast.
- SLO 2. Explain image production and related equipment components to the mammography imaging process including quality assurance and quality control.

R T 71	<p>ADVANCED CLINICAL EXPERIENCE: MAGNETIC RESONANCE IMAGING</p> <ul style="list-style-type: none"> SLO 1. Demonstrate proper equipment manipulation and assist in the performance of magnetic resonance imaging procedures, applying appropriate patient care and magnetic safety principles in the clinical setting. SLO 2. Critique and distinguish relevant sectional anatomy and pathology related to magnetic resonance imaging.
R T 72	<p>VENIPUNCTURE</p> <ul style="list-style-type: none"> SLO 1. Identify vascular anatomy, potential sites and equipment needed for venipuncture and intravenous infusion. SLO 2. Describe various contrast materials, signs, symptoms and treatment of adverse reactions during contrast injection.
R T 74	<p>ADVANCED CLINICAL EXPERIENCE: COMPUTED TOMOGRAPHY</p> <ul style="list-style-type: none"> SLO 1. Demonstrate proper equipment manipulation and assist in the performance of computed tomography procedures, applying appropriate patient care and radiation protection principles in the clinical setting. SLO 2. Critique and distinguish relevant vessel anatomy and pathology related to computed tomography.
R T 200L	<p>RADIOLOGIC TECHNOLOGY AS A CAREER</p> <ul style="list-style-type: none"> SLO 1. Demonstrate professionalism in a radiology patient care environment. SLO 2. Appraises the role of a radiologic technologist in the health care environment.

26 of 20 Course IDs for *RAD* in the Fine Arts and Communication Division have SLO's. 2009-2010

Course ID	Title	SLO's
RAD 70	<p>SPECIAL PROJECTS IN RADIO</p> <ul style="list-style-type: none"> SLO 1. Apply skills learned in previously completed radio classes to a specific radio station related activity at KFJC or to an internship at a commercial radio station, as agreed upon by instructor and student. SLO 2. Analyze and explain the outcome of the specific radio station related activity at KFJC or internship at a commercial radio station. 	
RAD 80	<p>FUNDAMENTALS OF RADIO PRODUCTION & STATION OPERATION</p> <ul style="list-style-type: none"> SLO 1. Describe the three different primary categories of operations at a radio station, along with departmental functions and interactions. SLO 2. Discuss the impact of corporate ownership of radio stations on the broadcasting industry, and explain relationships of stations to audience via formats, government via the FCC, and advertisers via ratings. 	
RAD 81	<p>HISTORY OF RADIO 1920-PRESENT</p> <ul style="list-style-type: none"> SLO 1. Discuss the progression of radio broadcasting from pre-World War I point-to-point wireless telegraphy to pre-television age primary medium for entertainment and information. SLO 2. Compare radio's evolution from geek basement experiment to common household appliance with that of home computers. 	

- RAD 90A NEWS & INFORMATION PRODUCTION I
- SLO 1. Demonstrate entry level techniques of scripting for on-air broadcast, planning and conducting interviews, and incorporating actualities into informational programming.
 - SLO 2. Produce beginning level informational programming on chosen subject by researching topic, writing and voicing content, and digitally editing program segments.
- RAD 90B NEWS & INFORMATION PRODUCTION II
- SLO 1. Demonstrate intermediate level techniques of scripting for on-air broadcast, planning and conducting interviews, and incorporating actualities into informational programming.
 - SLO 2. Produce intermediate level informational programming on chosen subject by researching topic, writing and voicing content, and digitally editing program segments.
- RAD 90C NEWS & INFORMATION PRODUCTION III
- SLO 1. Demonstrate advanced level techniques of scripting for on-air broadcast, planning and conducting interviews, and incorporating actualities into informational programming.
 - SLO 2. Produce advance level informational programming on chosen subject by researching topic, writing and voicing content, and digitally editing program segments.
- RAD 90D NEWS & INFORMATION PRODUCTION IV
- SLO 1. Demonstrate advanced level techniques of scripting for on-air broadcast, planning and conducting interviews, and incorporating actualities into informational programming.
 - SLO 2. Produce advanced level informational programming on chosen subject by researching topic, writing and voicing content, and digitally editing program segments.
- RAD 91A RADIO STATION SALES & MARKETING I
- SLO 1. Demonstrates beginning level ability to perform sales and marketing activities for Foothill College's FM and Internet radio station.
 - SLO 2. Demonstrates beginning level ability to perform promotional and publicity functions for Foothill College's FM and Internet radio station.
- RAD 91B RADIO STATION SALES & MARKETING II
- SLO 1. Demonstrates intermediate level ability to perform sales and marketing activities for Foothill College's FM and Internet radio station.
 - SLO 2. Demonstrates intermediate level ability to perform promotional and publicity functions for Foothill College's FM and Internet radio station.
- RAD 91C RADIO STATION SALES & MARKETING III
- SLO 1. Demonstrates advanced level ability to perform sales and marketing activities for Foothill College's FM and Internet radio station.
 - SLO 2. Demonstrates advanced level ability to perform promotional and publicity functions for Foothill College's FM and Internet radio station.
- RAD 91D RADIO STATION SALES & MARKETING IV
- SLO 1. Demonstrates advanced level ability to perform sales and marketing activities for Foothill College's FM and Internet radio station.
 - SLO 2. Demonstrates advanced level ability to perform promotional and publicity functions for Foothill College's FM and Internet radio station.
- RAD 92A RADIO PROGRAMMING & PRODUCTION I
- SLO 1. Demonstrate beginning level ability to perform master studio equipment operations, music selection, and mic breaks required for live four hour radio program.
 - SLO 2. Demonstrate beginning level ability to operate production studio equipment and to script/voice/edit pre-recorded spot announcements, short programs and in-studio or phone interviews.
- RAD 92B RADIO PROGRAMMING & PRODUCTION II

- SLO 1.** Demonstrate intermediate level ability to perform master studio equipment operations, music selection, and mic breaks required for live four hour radio program.
- SLO 2.** Demonstrate intermediate level ability to operate production studio equipment and to script/voice/edit pre-recorded spot announcements, short programs and in-studio or phone interviews.

RAD 92C RADIO PROGRAMMING & PRODUCTION III

- SLO 1.** Demonstrate advanced level ability to perform master studio equipment operations, music selection, and mic breaks required for live four hour radio program.
- SLO 2.** Demonstrate advanced level ability to operate production studio equipment and to script/voice/edit pre-recorded spot announcements, short programs and in-studio or phone interviews.

RAD 92D RADIO PROGRAMMING & PRODUCTION IV

- SLO 1.** Demonstrate advanced level ability to perform master studio equipment operations, music selection, and mic breaks required for live four hour radio program.
- SLO 2.** Demonstrate advanced level ability to operate production studio equipment and to script/voice/edit pre-recorded spot announcements, short programs and in-studio or phone interviews.

RAD 93A MUSIC INDUSTRY RELATIONS & ENGINEERING I

- SLO 1.** Demonstrate beginning level knowledge for reviewing music for KFJC library and for interaction with the music industry to solicit new product.
- SLO 2.** Demonstrate beginning level knowledge of remote broadcasting or mobile DJ coordination, signal conveyance, multi-track recording, and post production CD mastering.

RAD 93B MUSIC INDUSTRY RELATIONS & ENGINEERING II

- SLO 1.** Demonstrate intermediate level knowledge for reviewing music for KFJC library and for interaction with the music industry to solicit new product.
- SLO 2.** Demonstrate intermediate level knowledge of remote broadcasting or mobile DJ coordination, signal conveyance, multi-track recording, and post production CD mastering.

RAD 93C MUSIC INDUSTRY RELATIONS & ENGINEERING III

- SLO 1.** Demonstrate advanced level knowledge for reviewing music for KFJC library and for interaction with the music industry to solicit new product.
- SLO 2.** Demonstrate advanced level knowledge of remote broadcasting or mobile DJ coordination, signal conveyance, multi-track recording, and post production CD mastering.

RAD 93D MUSIC INDUSTRY RELATIONS & ENGINEERING IV

- SLO 1.** Demonstrate advanced level knowledge for reviewing music for KFJC library and for interaction with the music industry to solicit new product.
- SLO 2.** Demonstrate advanced level knowledge of remote broadcasting or mobile DJ coordination, signal conveyance, multi-track recording, and post production CD mastering.

RAD 190X DIRECTED STUDY

- SLO 1.** Student will demonstrate improved fluency and/or more advanced working knowledge in one or more of the major curriculum areas from courses in the Radio 90 – 93 series.
- SLO 2.** Student will compare and contrast his/her own performances at the beginning and at the end of the quarter in one or more of the major curriculum areas from courses in the Radio 90 – 93 series in order to identify which performance aspects have improved and which need additional attention.

32 of 34 Course IDs for *RSPT* in the Biological and Health Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
RSPT 50A	RESPIRATORY THERAPY PROCEDURES	<p>SLO 1. Assess and monitor vital signs and breath sounds.</p> <p>SLO 2. State the importance of understanding cultural diversity when administering therapy.</p>
RSPT 50B	INTRODUCTION TO PROCEDURES & HOSPITAL ORIENTATION	<p>SLO 1. Explain the indications, contraindications and hazards for all therapy modalities administered.</p> <p>SLO 2. Demonstrate the steps involved in intubation and extubation</p>
RSPT 50C	THERAPEUTICS & INTRODUCTION TO MECHANICAL VENTILATION	<p>SLO 1. Demonstrate the proper technique for an arterial blood gas puncture</p> <p>SLO 2. Identify the signs and symptoms of respiratory distress</p>
RSPT 51A	INTRODUCTION TO RESPIRATORY ANATOMY & PHYSIOLOGY	<p>SLO 1. State the structure of the upper and lower airways. 2. Describe the alveolar capillary membrane and gas diffusion.</p> <p>SLO 2. Describe the alveolar capillary membrane and gas diffusion.</p>
RSPT 51B	RESPIRATORY PHYSIOLOGY	<p>SLO 1. Interpret arterial blood gases.</p> <p>SLO 2. Calculate intrapulmonary shunt</p>
RSPT 51C	PATIENT ASSESSMENT & PULMONARY DISEASE	<p>SLO 1. To differentiate the major respiratory disorders according to etiology, clinical signs and symptoms, and treatment approaches.</p> <p>SLO 2. Analyze physical exams and chest x-rays and relate the data to the patient's condition and anticipate problems which may occur.</p>
RSPT 52	APPLIED SCIENCE FOR RESPIRATORY THERAPY	<p>SLO 1. Define and describe acids, bases and solutions.</p> <p>SLO 2. Describe the nature of forces in physical and physiologic.</p>
RSPT 53A	INTRODUCTION TO RESPIRATORY THERAPY PHARMACOLOGY	<p>SLO 1. Describe the mechanism of bronchospasm and differentiate the pharmacologic effects of sympathomimetic bronchodilators, parasympatholytics, xanthine bronchodilators, mucus-controlling agents, surface-active agents, cold and cough agents, corticosteroids, and mediator antagonists.</p> <p>SLO 2. Describe the principles of drug action.</p>
RSPT 53B	ADVANCED RESPIRATORY THERAPY PHARMACOLOGY	<p>SLO 1. Identify anti-infective agents.</p> <p>SLO 2. Compare and contrast the effects of sedatives, hypnotics, anti-anxiety agents, anti-psychotics, and analgesics.</p>
RSPT 54	ORIENTATION TO RESPIRATORY CARE	<p>SLO 1. State the differences between acute, preventative and supportive care.</p> <p>SLO 2. Explain patient confidentiality, and consent.</p>
RSPT 55A	DIRECTED STUDIES IN RESPIRATORY THERAPY I	<p>SLO 1. To relate and strengthen concepts through media, topics include: Oxygen therapy and vital signs</p>

- SLO 2.** Support concurrent lecture and laboratory sessions through an alternative learning resource.
- RSPT 55B DIRECTED STUDIES IN RESPIRATORY THERAPY II
- SLO 1.** Review different aspects of patient care including: suctioning and infection control through different media programs.
- SLO 2.** Support concurrent lecture and laboratory sessions through an alternative learning resource.
- RSPT 55C DIRECTED STUDIES IN RESPIRATORY THERAPY III
- SLO 1.** Identifies Breath sounds correctly.
- SLO 2.** Analyzes arterial blood gases.
- RSPT 55D DIRECTED STUDIES IN RESPIRATORY THERAPY IV
- SLO 1.** Distinguishes between the different modes of ventilation.
- SLO 2.** Interprets waveforms accurately.
- RSPT 55E DIRECTED STUDIES IN RESPIRATORY THERAPY V
- SLO 1.** Identifies and chooses the correct laboratory tests that lead to proper treatment in the clinical simulation scenarios.
- SLO 2.** Concludes proper diagnoses based on information provided through the computer clinical simulations.
- RSPT 55F DIRECTED STUDIES IN RESPIRATORY THERAPY VI
- SLO 1.** Interprets information and accurately suggests treatment in the clinical simulations.
- SLO 2.** Differentiates between the different diagnoses in the clinical simulations.
- RSPT 55G DIRECTED STUDIES IN RESPIRATORY THERAPY VII
- SLO 1.** Interprets data correctly and chooses correct treatments in the computer modules.
- SLO 2.** identifies respiratory problems based on information provided and chooses correct tests and procedures in the clinical simulations.
- RSPT 60A CARDIOLOGY FOR RESPIRATORY THERAPISTS
- SLO 1.** Discuss the electrophysiology of the heart and relate it to the electrocardiogram.
- SLO 2.** Identify normal and abnormal readings from pulmonary artery catheters, central venous pressure lines and arterial lines.
- RSPT 60B ADVANCED CARDIAC LIFE SUPPORT
- SLO 1.** Discuss airway care procedures and demonstrate intubation proficiency.
- SLO 2.** Explain how defibrillators function and their effect on the heart.
- RSPT 60C PULMONARY DIAGNOSTICS
- SLO 1.** Relate results to disease process and recommends appropriate therapy.
- SLO 2.** Perform selected cardio-pulmonary diagnostic tests.
- RSPT 61A ADULT MECHANICAL VENTILATION
- SLO 1.** Apply the principles of oxygen delivery and arterial blood gas analysis to patient case scenarios to determine appropriate ventilator therapy.
- SLO 2.** Identifies ventilator waveforms and suggests ventilator setting modifications.
- RSPT 61B PERINATAL RESPIRATORY CARE
- SLO 1.** Explain the steps necessary to place a newborn on an infant ventilator and applies the principles of airway management appropriately.
- SLO 2.** Compare and contrast common pulmonary system disorders of the newborn and evaluates the child's disease process to select proper therapy.

- RSPT 61C HOME & REHABILITATIVE RESPIRATORY CARE
 - SLO 1. Create a patient care plan for a respiratory patient.
 - SLO 2. Compare and contrast home positive pressure ventilators, negative pressure ventilators and ICU style positive pressure ventilators.

- RSPT 61D PEDIATRIC RESPIRATORY CARE No SLOs on file.
- RSPT 62 MANAGEMENT, RESUME & NATIONAL BOARD EXAMINATION
 - SLO 1. Create a Resume and a Cover Letter.
 - SLO 2. Prepares the applications for licensure and board exam.

- RSPT 63A ADVANCED PATHOPHYSIOLOGY & PATIENT MANAGEMENT
 - SLO 1. Describe and identify the pathophysiology related to the signs and symptoms of pulmonary disorders.
 - SLO 2. Select the appropriate treatment for various pulmonary disorders.

- RSPT 65 COMPUTER PATIENT SIMULATIONS
 - SLO 1. Selects appropriate tests and treatments to successfully pass all clinical simulationsprograms.
 - SLO 2. Employs learned knowledge to successfully pass all clinical simulation programs.

- RSPT 70A CLINICAL ROTATION I
 - SLO 1. State indications, contraindications, hazards, and methods of evaluating effectiveness of all therapies administered.
 - SLO 2. Relate basic diagnostic data to respiratory therapy techniques and the patient's illness.

- RSPT 70B CLINICAL ROTATION II
 - SLO 1. Demonstrate proficiency in performing advanced respiratory therapy techniques in critical care.
 - SLO 2. Apply data to respiratory therapy techniques and the patient's illness.

- RSPT 70C CLINICAL ROTATION III
 - SLO 1. Perform respiratory therapy techniques relating to the management of neonate, pediatric, and adult intensive care unit patients.
 - SLO 2. Evaluate and apply advanced diagnostic data to respiratory therapy techniques and the patient's illness.

- RSPT 70D CLINICAL ROTATION IV
 - SLO 1. Evaluate and apply advanced diagnostic data to respiratory therapy techniques and the patient's illness.
 - SLO 2. Identify indications, contraindications, hazards, and method of evaluating effectiveness of all therapies administered.

- RSPT 71A EXTENDED CLINICAL INTERNSHIP IN RESPIRATORY THERAPY No SLOs on file.
- RSPT 71B EXTENDED CLINICAL INTERNSHIP IN RESPIRATORY THERAPY No SLOs on file.
- RSPT 200L INTRODUCTION TO RESPIRATORY THERAPY
 - SLO 1. Describe the state licensing requirements for respiratory care practitioners.
 - SLO 2. Summarize the demands of the program, both academic and personal and describes the personal and academic preparation needed to enter the respiratory therapy program.

21 of 21 Course IDs for SOC in the Business and Social Sciences Division 2009-2010
 have SLO's.

Course ID	Title	SLO's
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- SOC 1 INTRODUCTION TO SOCIOLOGY
- SLO 1. Students will identify the two main component parts or features of the sociological imagination.
 - SLO 2. Students will demonstrate an understanding of why the sociological imagination is sociologically significant.
 - SLO 3. Students will identify the basis of the scientific method.
 - SLO 4. Students will identify the leading components or indicators of methodology.
 - SLO 5. Students will identify two of the most important ideas in Sociology as a field of study.
 - SLO 6. Student will explain how two major ideas in Sociology as a field of study help them in their everyday lives.
- SOC 8 POPULAR CULTURE
- SLO 1. Students will identify the two main component parts or features of the sociological imagination.
 - SLO 2. Students will demonstrate an understanding of why the sociological imagination is sociologically significant.
 - SLO 3. Students will identify the component parts of the scientific method.
 - SLO 4. Students will identify the leading components or indicators of methodology.
- SOC 10 INTRODUCTION TO SOCIAL RESEARCH
- SLO 1. Students will be able to identify specific methods used in sociological and psychological research.
 - SLO 2. Students will be able to analyze research by differentiating claims, data and findings.
- SOC 11 INTRODUCTION TO SOCIAL WELFARE
- SLO 1. Students will compare differences and similarities between sociology and social work.
 - SLO 2. Students will be able to classify the field of social work into its component parts.
 - SLO 3. Students will analyze the socio-historical development of American social welfare philosophy.
- SOC 15 LAW & SOCIETY
- SLO 1. Students should be able to identify different lawmaking systems in the United States.
 - SLO 2. Students should be able to compare and contrast major theoretical approaches to the study of law and society.
- SOC 19 ALCOHOL & DRUG ABUSE
- SLO 1. Students will describe the role of social values in relation to scientific evidence in the definition of drug abuse.
 - SLO 2. Students will explain the component parts of social control theory.
 - SLO 3. Students will describe the component parts of a harm reduction approach to drug abuse.
- SOC 20 MAJOR SOCIAL PROBLEMS
- SLO 1. Students will be able to explain the connection between private troubles and public issues as they relate to social problems.
 - SLO 2. Students will be able to identify various sociological perspectives used to analyze social problems.
- SOC 21 PSYCHOLOGY OF WOMEN: SEX & GENDER DIFFERENCES
- SLO 1. Identify and analyze effects of biology and society (i.e., the effects of culture and social interaction) on women's psychology (or psychologies, since differing cultures produce a range of psychologies).
 - SLO 2. Comprehend and evaluate patriarchy's effects on women's psychology.

SLO 3. SLO3. Comprehend and evaluate patriarchy's effects on women's psychology. For example, why do women tend to accept a secondary status? How do women so often lose the ability to choose and act because they don't realize that they have options, given the societal box that they have been socialized within? How do problems that range from sexual dysfunction to unequal pay stem from being socialized within a patriarchal society?

SOC 23 RACE & ETHNIC RELATIONS

SLO 1. Students will recognize the component parts of theoretical models of racial and ethnic integration and exclusion.

SLO 2. Students will apply migration theories to the analysis of international migration.

SOC 30 SOCIAL PSYCHOLOGY

SLO 1. Student will demonstrate knowledge of the major theories and content areas of social psychology.

SLO 2. Students will apply social psychological concepts, theories, and research findings as these relate to everyday life.

SOC 34H HONORS INSTITUTE SEMINAR IN SOCIOLOGY

No SLOs on file.

SOC 35 DEPARTMENT HONORS PROJECTS IN SOCIOLOGY

SLO 1. Students analyze a piece of academic writing, demonstrating college level social science writing skills and using sociological terms, concepts and/or theories to support points.

SLO 2. Students will present their work in a scholarly manner to the class using inter-active presentation techniques and sociological terms, concepts or theories to support their points in demonstrating breadth and depth of the subject matter.

SOC 35X DEPARTMENT HONORS PROJECTS IN SOCIOLOGY

SLO 1. Students will analyze a piece of academic writing, demonstrating college level social science writing skills and using sociological terms, concepts and/or theories to support points.

SLO 2. Students will give a presentation to the class, analyzing scholarly writing.

SOC 35Y DEPARTMENT HONORS PROJECTS IN SOCIOLOGY

SLO 1. Students will analyze a piece of academic writing, demonstrating college level social science writing skills and using sociological terms, concepts and/or theories to support points.

SLO 2. Students will give a presentation to the class, analyzing scholarly writing.

SOC 35Z DEPARTMENT HONORS PROJECTS IN SOCIOLOGY

SLO 1. Student Learning Outcome Defined

Students will analyze a piece of academic writing, demonstrating college level social science writing skills and using sociological terms, concepts and/or theories to support points.

SLO 2. Students will give a presentation to the class, analyzing scholarly writing.

SOC 36 SPECIAL PROJECTS IN SOCIOLOGY

SLO 1. Students will analyze a pattern of human interaction, demonstrating college level social science writing skills and using sociological terms, concepts and/or theories to support points.

SLO 2. Students will give a presentation to the class, analyzing scholarly writing.

SOC 36X SPECIAL PROJECTS IN SOCIOLOGY

SLO 1. Students analyze a pattern of human interaction, demonstrating college level social science writing skills and using sociological terms, concepts and/or theories to support points.

SLO 2. Students will give a presentation to the class, analyzing an observed pattern of human interaction.

- SOC 36Y SPECIAL PROJECTS IN SOCIOLOGY
 - SLO 1. Students will analyze a pattern of human interaction, demonstrating college level social science writing skills and using sociological terms, concepts and/or theories to support points.
 - SLO 2. Students will give a presentation to the class, analyzing an observed pattern of human interaction.

- SOC 36Z SPECIAL PROJECTS IN SOCIOLOGY
 - SLO 1. Students will analyze a pattern of human interaction, demonstrating college level social science writing skills and using sociological terms, concepts and/or theories to support points.
 - SLO 2. Students will give a presentation to the class, analyzing an observed pattern of human interaction.

- SOC 40 ASPECTS OF MARRIAGE & FAMILY
 - SLO 1. Students will identify the two main component parts or features of the sociological imagination.
 - SLO 2. Students will demonstrate an understanding of why the sociological imagination sociologically significant.
 - SLO 3. Students will identify the basis of the scientific method.

- SOC 57 CHILD ADVOCACY
 - SLO 1. Students will identify various types of child abuse.
 - SLO 2. Students will describe the strengths of weaknesses of various social research methods on child and family crises, welfare and advocacy.

7 of 15 Course IDs for SOSC in the Business and Social Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
SOSC 20	CROSS-CULTURAL PERSPECTIVES FOR A MULTICULTURAL SOCIETY	<ul style="list-style-type: none"> SLO 1. Students will be able to identify differences and similarities between the socially constructed categories of race and ethnicity. SLO 2. Students will be able to discuss how culture shapes beliefs, values and perspectives.
SOSC 34H	HONORS INSTITUTE SEMINAR IN SOCIAL SCIENCE	No SLOs on file.
SOSC 35	DEPARTMENT HONORS PROJECT IN SOCIAL SCIENCE	No SLOs on file.
SOSC 35X	DEPARTMENT HONORS PROJECT IN SOCIAL SCIENCE	No SLOs on file.
SOSC 35Y	DEPARTMENT HONORS PROJECT IN SOCIAL SCIENCE	No SLOs on file.
SOSC 35Z	DEPARTMENT HONORS PROJECT IN SOCIAL SCIENCE	No SLOs on file.
SOSC 36	SPECIAL PROJECTS IN SOCIAL SCIENCE	<ul style="list-style-type: none"> SLO 1. (NOTE: For Special Projects, there is no need to force a writing strategy. Can be oral, or a volunteer project) From a critical thinking focus, assess complexities and patterns of issue/project covered with instructor and other students – if appropriate SLO 2. Improve mature research and/or information gathering ability
SOSC 36W	SPECIAL PROJECTS IN SOCIAL SCIENCE	No SLOs on file.
SOSC 36X	SPECIAL PROJECTS IN SOCIAL SCIENCE	<ul style="list-style-type: none"> SLO 1. Communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community groups .

- SLO 2. Provide leadership with an understanding of group dynamics including conflict resolution and group decision making processes.
- SLO 3. Demonstrate an awareness of one's community, and the role and responsibility that he or she plays within the community

SOSC 36Y	SPECIAL PROJECTS IN SOCIAL SCIENCE	
	SLO 1. Communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community groups.	
	SLO 2. Demonstrate an awareness of one's community, and the role and responsibility that he or she plays within the community	
SOSC 36Z	SPECIAL PROJECTS IN SOCIAL SCIENCE	
	SLO 1. Demonstrate an awareness of one's community, and the role and responsibility that he or she plays within the community.	
	SLO 2. Communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community.	
SOSC 37	INTRODUCTION TO CULTURAL PROGRAM	
	SLO 1. Communicate effectively in a variety of settings within a diverse community, through an understanding and appreciation of cultural diversity, student organizations, and community.	
	SLO 2. Demonstrate an awareness of one's community, and the role and responsibility that he or she plays within the community.	
SOSC 79	INTRODUCTION TO COMMUNITY SERVICE	
	SLO 1. Learn and practice the necessary communication skills to interact in volunteer service.	
	SLO 2. Identify personal values relevant to community service.	
	SLO 3. Examine the community environment and focus upon and prioritize major community service needs.	
SOSC 155	STANDARDIZED TEST PREPARATION	No SLOs on file.
SOSC 175	TUTOR TRAINING METHODS	No SLOs on file.

18 of 18 Course IDs for *SPAN* in the Language Arts Division have SLO's. 2009-2010

Course ID	Title	SLO's
SPAN 1	ELEMENTARY SPANISH I	
	SLO 1. Understand and maintain a conversation about daily activities and upcoming plans using simple sentences.	
	SLO 2. Understand and write 2-3 paragraphs describing self and family and narrating daily routine, using the present and the periphrastic future.	
SPAN 1S	ELEMENTARY SPANISH	
	SLO 1. Understand and maintain a conversation about daily activities.	
	SLO 2. Understand and write 2 paragraphs describing self and family and narrating daily routine, using the present.	
SPAN 1T	ELEMENTARY SPANISH	
	SLO 1. Understand and maintain a conversation about daily activities and upcoming plans using simple sentences.	
	SLO 2. Understand and write 2-3 paragraphs describing self and family and narrating daily routine, using the present and the periphrastic future.	

SPAN 2	ELEMENTARY SPANISH II	
	SLO 1. Understand and conduct short conversations, asking questions and giving information, about themselves and personal experiences, in the present, past and future.	
	SLO 2. Understand and produce paragraphs and shorts narrations about past experiences including childhood, youth and recent personal events, using the past + present and future.	
SPAN 2S	ELEMENTARY SPANISH II	No SLOs on file.
SPAN 3	ELEMENTARY SPANISH III	
	SLO 1. Understand and maintain brief conversations with different point of views, expressing suggestions and opinions with familiar language and simple sentences with some repetition and errors.	
	SLO 2. Express written opinions, identify key points of a short narration and react to them using supporting arguments.	
SPAN 4	INTERMEDIATE SPANISH I	
	SLO 1. Identify the topic and main ideas of short stories with unfamiliar vocabulary.	
	SLO 2. Summarize short stories both, orally and in writing, and write short reflective responses.	
SPAN 5	INTERMEDIATE SPANISH II	
	SLO 1. Write two-page compositions with the appropriate forms of all verb tenses with a greater level of grammatical accuracy.	
	SLO 2. Respond [in writing] to a wide range of genres of variable length and difficulty level.	
SPAN 6	INTERMEDIATE SPANISH III	
	SLO 1. Express and justify ideas and points of view using extended language with complex grammatical structures.	
	SLO 2. Write, criticize and edit extended texts on a wide range of subjects and genres.	
SPAN 13A	INTERMEDIATE CONVERSATION I	
	SLO 1. Initiate and maintain simple conversations in the present, past and future, on familiar topics.	
	SLO 2. Speak with some fluency, and a pronunciation that is understandable to natives used to interacting with foreigners.	
SPAN 13B	INTERMEDIATE CONVERSATION II	
	SLO 1. Initiate and maintain conversations on topics beyond the most immediate needs, tailoring the language to formal and informal situations.	
	SLO 2. Speak with increased fluency, and a pronunciation that is understandable to native speakers used to interacting with foreigners.	
SPAN 14A	ADVANCED CONVERSATION I	
	SLO 1. Express agreement and disagreement on various topics and orally summarize previous discussions or readings.	
	SLO 2. Speak with fluency and pronunciation that is understandable to native speakers not used to interacting with foreigners.	
SPAN 14B	ADVANCED CONVERSATION II	
	SLO 1. React and hypothesize on a wide range of topics.	
	SLO 2. Speak with fluency and pronunciation that is understandable to native speakers not used to interacting with foreigners.	
SPAN 25A	ADVANCED COMPOSITION & READING I	
	SLO 1. Demonstrates a developed ability to write with some precision and in some detail about a wide range of literary and non-literary topics.	
	SLO 2. Demonstrates a developed ability to edit and criticize literary, non-literary and peer-written texts.	

SPAN 25B	ADVANCED COMPOSITION & READING II	
	SLO 1. Able to understand the written language effectively in most formal and informal written exchanges to produce literary and non-literary texts.	
	SLO 2. Ability to understand the written language in a wider range of literary genres and in a variety of self developed styles.	
SPAN 236	SPECIAL PROJECTS IN SPANISH	No SLOs on file.
SPAN 236Y	SPECIAL PROJECTS IN SPANISH	No SLOs on file.
SPAN 236Z	SPECIAL PROJECTS IN SPANISH	No SLOs on file.

20 of 19 Course IDs for *SPED* in the Adaptive Learning Division have SLO's. 2009-2010

Course ID	Title	SLO's
SPED 50	INTRODUCTION TO ADAPTIVE FITNESS TECHNIQUES	
	SLO 1. 1. Identify the challenges presented to disabled in a fitness setting.	
	SLO 2. 2. Know how to design a safe exercise program for a disabled client.	
	SLO 1. 1. Identify the challenges presented to disabled in a fitness setting.	
	SLO 2. 2. Know how to design a safe exercise program for a disabled client.	
	SLO 1. 1. Identify the challenges presented to disabled in a fitness setting.	
	SLO 2. 2. Know how to design a safe exercise program for a disabled client.	
SPED 52	POSITIVE AGING	
	SLO 1. Compare and contrast the personalities of the veterans, boomers and gen Xers.	
	SLO 2. Describe the differences between normal aging and healthy aging	
SPED 54	PRINCIPLES OF THERAPEUTIC EXERCISE	
	SLO 1. 1. DESIGN A THERAPEUTIC FITNESS ROUTINE FOR ONE CHRONIC CONDITION	
	SLO 2. 2. OUTLINE THE KEY ELEMENTS NEEDED TO DESIGN A EXERCISE ROUTINE	
SPED 55	GERIATRIC FITNESS CONCEPTS	
	SLO 1. 1. Explain the role healthy behaviors play in successful aging	
	SLO 2. 2. List 5 methods to motivate an older clients to exercise	
SPED 56	FUNCTIONAL ASPECTS OF ADAPTIVE FITNESS	
	SLO 1. 1. develop a functional fitness routine for a chronic condition	
	SLO 2. 2. explain why functional fitness is important to a disabled person	
SPED 57	WORKING WITH SPECIAL POPULATIONS	
	SLO 1. List the different learning styles	
	SLO 2. Match which each learning style to the best practice to attain optimal learning	
SPED 59	SELECTED TOPICS IN SPECIAL EDUCATION	
SPED 61	INTRODUCTION TO DISABILITIES	
	SLO 1. Identify and differentiate all the major categories of disabilities.	
	ILO 1. 1. Communication	
	SLO 2. Discuss the cultural experiences of the disabled person in America.	
	ILO 2. 4. Community/global consciousness and responsibility	
	SLO 3. Discuss philosophical paradigms of disability and its practical implications	
	ILO 3. 4. Community/global consciousness and responsibility	

- SPED 62 PSYCHOLOGICAL ASPECTS OF DISABILITY
- SLO 1. Demonstrate an understanding and sensitivity towards people with disabilities through various written assignments and a final exam.
 - SLO 2. Broaden their knowledge of the psychological and social impact disability has from an individual, family and societal perspective.
- SPED 63 LEARNING DISABILITIES
- SLO 1. Demonstrate knowledge of the definitions and characteristics of learning disabilities and related mild disabilities.
 - SLO 2. Demonstrate the ability to develop appropriate strategies for students with learning disabilities and related mild disabilities in the general education classroom.
- SPED 64 DISABILITY & THE LAW
- SLO 1. Identify the main federal and state laws governing disability access and the agencies empowered to implement those laws and monitor compliance in the community at large.
 - ILO 1. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
 - SLO 2. Analyze cases and determine the main issues and rules determining the outcomes of legal cases
 - ILO 2. 2. Creative, critical and analytical thinking 4. Community/global consciousness and responsibility
- SPED 65 FUNDAMENTALS OF ATTENTION DEFICIT DISORDERS
- SLO 1. The students will be able to discuss in depth: Attention Deficit Disorders as serious psychiatric/neurological disorders, evidenced by a wealth of clinical diagnostic data, research studies and treating physician's empirical findings.
 - SLO 2. Students will demonstrate an understanding of the wide range of treatment strategies used to address the many levels of dysfunction caused by attention deficits in individuals affected by this disorder.
 - SLO 3. Students will compile an organized portfolio of reference and resource information, designed to be used in the ongoing process of improving self understanding and self-advocacy regarding medical treatments, education, employment and general life management.
 - SLO 4. Students will recognize and describe the many different clinical presentations of Attention Deficit disorders, relating the differences to affected brain regions, age, gender and environmental experiences of the subjects.
- SPED 66 DISABILITY & TECHNOLOGY ACCESS
- SLO 1. Comprehend key concepts of assessment for adaptive technology
 - SLO 2. Apply understanding of a variety of Technology adaptations and where to find them
- SPED 69 SPECIAL EDUCATION STRATEGIES & PRACTICUM
- SLO 1. Identify components of a special education program including interpretation of the Individualized Educaiton Program.
 - B. Understand best practices in instruction in reading, writing and math.
 - C. Apply best practices to individualized instruction.
 - SLO 2. Understand best practices in instruction in reading, writing and math.
- SPED 72 STRESS, WELLNESS & COPING
- SLO 1. Apply at least three coping skills from the class, be able to identify personal stressors, and describe the effects in his or her life.
 - ILO 1. 2. Creative, critical and analytical thinking
 - SLO 2. Demonstrate a reduction in stress symptoms (amount, frequency, or intensity).
 - ILO 2. 4. Community/global consciousness and responsibility

SPED 73	INTRODUCTION TO AQUATIC EXERCISE	No SLOs on file.
SPED 74	PRINCIPLES OF ADAPTIVE AQUA FITNESS	No SLOs on file.
SPED 75	INTERNSHIP IN ADAPTIVE AQUATICS	No SLOs on file.
SPED 80	INTRODUCTION TO COLLEGE & ACCOMMODATIONS	No SLOs on file.

70 of 60 Course IDs for *THTR* in the Fine Arts and Communication Division have SLO's. 2009-2010

Course ID	Title	SLO's
THTR 1	THEATRE ARTS APPRECIATION	
	SLO 1. Analyze and integrate his/her own artistic standards as they relate to theatrical performance and criticism	
	SLO 2. The student can use examples from theatrical performances to illustrate his/her own artistic standards.	
THTR 2A	INTRODUCTION TO DRAMATIC LITERATURE	
	SLO 1. Students acquire new perspectives and skills as applied to interpreting dramatic texts for content, plot development, image interpretation, language structure, character motivation, genre.	
	SLO 2. Students develop relevant perception, social placement and regional inspiration of plays from Ancient Egypt through Elizabethan England from both Eastern and Western cultures.	
	SLO 3. Students actively apply content understanding to reflecting upon behaviors universal in human nature both past and present.	
THTR 2AS	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
THTR 2AT	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
THTR 2B	INTRODUCTION TO DRAMATIC LITERATURE	
	SLO 1. Students acquire new perspectives and skills as applied to interpreting dramatic texts for content, plot development, image interpretation, language structure, character motivation, genre.	
	SLO 2. Students develop relevant perception, social placement and regional inspiration of plays from the Italian Renaissance through the early 20th Century.	
	SLO 3. Students actively apply content understanding to reflecting upon behaviors universal in human nature both past and present and the direct social conditions promoting the development of selected works.	
THTR 2BS	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
THTR 2BT	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
THTR 2C	INTRODUCTION TO DRAMATIC LITERATURE	
	SLO 1. Students acquire new perspectives and skills as applied to interpreting dramatic texts for content, plot development, image interpretation, language structure, character motivation, genre.	
	SLO 2. Students develop relevant perception, social placement and regional inspiration of plays from the early 20th century through contemporary.	
	SLO 3. Students actively apply content understanding to reflecting upon behaviors universal in human nature both past and present and the direct social conditions and cultural blending promoting the development of selected works.	
THTR 2CS	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
THTR 2CT	INTRODUCTION TO DRAMATIC LITERATURE	No SLOs on file.
THTR 5B	PLAYWRITING	
	SLO 1. Students synthesize the scope and demands of language structure, formatting, industry standards and source inspiration creating original, dramatic compositions.	

	SLO 2. By transferring observations of human nature, its relationships and idiosyncrasies, into original composition, students enhance the relationship between analysis and critical thought.	
	SLO 3. Acquire significant insight into the process of performing art and the expected contributions of each of the main collaborators: playwrights, producers, directors, choreographers, actors, designers, stage managers, technicians.	
THTR 5C	INTERMEDIATE PLAYWRITING	No SLOs on file.
THTR 6	ADVANCED PLAYWRITING	
	SLO 1. Students synthesize the scope and demands of language structure, professional formatting, industry standards and source inspiration creating original, dramatic compositions.	
	SLO 2. By transferring observations of human nature, its relationships and idiosyncrasies, into original, feature-length compositions, students enhance the relationship between analysis and critical thought.	
	SLO 3. Acquire significant insight into the process of performing art and the expected contributions of each of the main collaborators: playwrights, producers, directors, choreographers, actors, designers, stage managers, technicians.	
THTR 7	INTRODUCTION TO DIRECTING	
	SLO 1. Students can demonstrate an understanding of the relationship of the director to the total theatrical production.	
	SLO 2. Students can analyze and prepare a script for production.	
	SLO 3. Students can assemble actors for production through the audition and casting process.	
	SLO 4. Students can dramatize a theatrical scene utilizing the fundamentals of composition, movement, business and characterization.	
THTR 8	MULTICULTURAL PERFORMING ARTS IN MODERN AMERICA	
	SLO 1. Students have connected the development of each theater tradition with social, political and artistic movements of the time, and therefore can locate each tradition within a diverse cultural context.	
	SLO 2. Students have distinguished between the commercial Broadway theater, the non-profit regional theater and theaters with a multicultural focus, and therefore can identify less visible "mission theater" companies in the Bay Area.	
THTR 20A	ACTING I	
	SLO 1. Students develop the voice and body as an instrument of expression while gaining confidence through the experience of interaction and audience performance.	
	ILO 1. 1. Communication	
	SLO 2. Students heighten abilities to analyze text and performance content for self-advancement.	
	ILO 2. 2. Creative, critical and analytical thinking	
	SLO 3. Students develop foundation knowledge of the processes of theatre as a collaborative art form.	
	ILO 3. 4. Community/global consciousness and responsibility	
	SLO 4. Students progress critical thinking and interpersonal communication skills as well as diversity perspectives through collaborative projects.	
	ILO 4. 1. Communication	
	SLO 5. Students gain and actively develop fundamental employment of the foundational acting premises.	
	ILO 5. 2. Creative, critical and analytical thinking	
THTR 20B	ACTING II	
	SLO 1. Students develop the voice and body as an instrument of expression while gaining confidence through the experience of interaction and audience performance.	
	ILO 1. 1. Communication	
	SLO 2. Students heighten abilities to analyze text and performance content for self-advancement.	
	ILO 2. 2. Creative, critical and analytical thinking	

- SLO 3.** Students progress critical thinking and interpersonal communication skills as well as diversity perspectives through collaborative projects.
- ILO 3. 1.** Communication
- SLO 4.** Students gain and actively develop fundamental employment of more advanced, modern acting theories.
- ILO 4. 4.** Community/global consciousness and responsibility

THTR 20C ACTING III

- SLO 1.** Students develop the voice and body as an instrument of expression while gaining confidence through the experience of interaction and audience performance.
- SLO 2.** Students progress critical thinking and interpersonal communication skills as well as diversity perspectives through collaborative projects.
- SLO 3.** Students heighten abilities to analyze text and performance content for self-advancement.
- SLO 4.** Students gain and actively develop fundamental employment of classical acting theories and techniques.

THTR 20D ACTING IV

- SLO 1.** Students develop the voice and body as an instrument of expression while gaining confidence through the experience of interaction and audience performance.
- SLO 2.** Students heighten abilities to analyze text and performance content for self-advancement.
- SLO 3.** Students progress critical thinking and interpersonal communication skills as well as diversity perspectives through collaborative projects.
- SLO 4.** Students gain and actively develop fundamental employment of genre and style acting theories and techniques.

THTR 20E ADVANCED ACTING V

- SLO 1.** Students develop the voice and body as an instrument of expression while gaining confidence through the experience of interaction and audience performance.
- SLO 2.** Students heighten abilities to analyze text and performance content for self-advancement.
- SLO 3.** Students progress critical thinking and interpersonal communication skills as well as diversity perspectives through collaborative projects.
- SLO 4.** Students gain and actively develop advanced acting theories and techniques of improvisation, character development, emotional keying.

THTR 21 INTRODUCTION TO TECHNICAL THEATRE

- SLO 1.** Students can identify basic tools and hardware used in theatrical productions.
- SLO 2.** Students can recall the jobs and functions of administrative and artistic personnel in theatre, film, and television

THTR 21A SCENERY & PROPERTY CONSTRUCTION

- SLO 1.** Students can demonstrate the safe use of basic hand and power woodworking tools used in the production of scenery.
- SLO 2.** Students can describe and demonstrate knowledge of safe practices required in the creation and handling of stage scenery in stage and shop areas

THTR 21B INTERMEDIATE SCENERY & PROPERTY CONSTRUCTION

- SLO 1.** Students can construct small projects using correct tools and safety practices
- SLO 2.** Students can identify and demonstrate basic hand and power tool repair and maintenance techniques.

THTR 21C ADVANCED SCENERY & PROPERTIES CONSTRUCTION

- SLO 1.** Students can assess the material and tool requirements to independently plan and create simple scenery and properties for theatrical productions.
- SLO 2.** Students can demonstrate the safe use of basic tools for metal working used in theatrical productions.

THTR 22 AUDITIONING FOR THEATRE

No SLOs on file.

THTR 23	ACTING FOR FILM & TELEVISION	No SLOs on file.
THTR 23X	ACTING FOR FILM & TELEVISION	No SLOs on file.
THTR 25	INTRODUCTION TO FASHION & COSTUME CONSTRUCTION	No SLOs on file.
THTR 26	INTRODUCTION TO FASHION HISTORY & COSTUME DESIGN	No SLOs on file.
THTR 35	DEPARTMENT HONORS PROJECTS IN DRAMA	No SLOs on file.
THTR 38	MOVEMENT PRACTICUM FOR THE ACTOR	
	SLO 1. Students, through introduction of theory into focused exploration, achieve a greater comprehension of their own personal body mechanics and expression potential in performance.	
	SLO 2. Students, through personally and secondarily examining the relationship between body and mind and the integration thereof, employ the cohesive properties of breath and body impulse in generating performance.	
	SLO 3. Students actively incorporate various stress reduction and relaxation techniques.	
	SLO 4. Students increase movement vocabulary and characterization potential through applied, active study of movement theories and theorists.	
THTR 38D	MOVEMENT FOR THE ACTOR:STAGE COMBAT	No SLOs on file.
THTR 40A	BASIC THEATRICAL MAKE-UP	
	SLO 1. Students can identify and compare the use and effectiveness of available makeup products and materials.	
	SLO 2. Students can demonstrate skills in the design and application of theatrical makeup.	
	SLO 3. Students are able to employ basic design skills, including drawing, painting and clay modeling.	
	SLO 4. Students can locate and give examples of facial anatomy as it pertains to various character factors, including age, gender, race, and species.	
THTR 40B	THEATRICAL MAKE-UP FOR PRODUCTION	
	SLO 1. Students can identify and compare the use and effectiveness of a full range of available makeup products and materials.	
	SLO 2. Students can demonstrate skills in the design and application of theatrical makeup for production.	
	SLO 3. Students can demonstrate skills in the use of advanced makeup materials.	
	SLO 4. Students can locate and give examples of facial anatomy as it pertains to various character factors, including age, gender, race, and species.	
THTR 43A	FOUNDATIONS IN REALISTIC ACTING	No SLOs on file.
THTR 44	PRODUCTION PROJECTS	No SLOs on file.
THTR 47	MUSIC THEATRE PRODUCTION WORKSHOP	
	SLO 1. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, choreographer, designer, stage manager, technician, musical director, musician) in staging a fully-realized, large-scale, live musical theatrical performance.	
	SLO 2. Students, through personal involvement, gain experiential knowledge of the many processes necessary for preparing and producing a fully-realized, large-scale, live musical theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.	
THTR 47X	MUSIC THEATRE PRODUCTION WORKSHOP	
	SLO 1. Students, through personal involvement, gain experiential knowledge of the many processes necessary for preparing and producing a fully-realized, large-scale, live musical theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, choreographer, designer, stage manager, technician, musical director, musician) in staging a fully-realized, large-scale, live musical theatrical performance.	

SLO 2. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, choreographer, designer, stage manager, technician, musical director, musician) in staging a fully-realized, large-scale, live musical theatrical performance.

THTR 48 VOICE PRACTICUM FOR THE ACTOR

SLO 1. Students, through introduction of theory into guided examination, develop the ability to harness greater breath capacity, vocal sustainability, projection potential, resonance, articulation and placement for incorporation into performance for both indoor and outdoor venues.

SLO 2. Students integrate the demands of performing with targeted English language dialects through the employment of the International Phonetic Alphabet (IPA), thereby providing the foundation for employment of IPA towards performance with dialect or accent requirements.

THTR 49 REHEARSAL & PERFORMANCE

SLO 1. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (actor, designer, stage manager, technician) in staging a fully-realized, live theatrical performance.

SLO 2. Students, through personal involvement, gain experiential knowledge of the many processes necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

THTR 49X REHEARSAL & PERFORMANCE

SLO 1. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (actor, designer, stage manager, technician) in staging a fully-realized, live theatrical performance.

SLO 2. Students, through personal involvement, gain experiential knowledge of the many processes necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

THTR 49Y REHEARSAL & PERFORMANCE

SLO 1. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (actor, designer, stage manager, technician) in staging a fully-realized, live theatrical performance.

SLO 2. Students, through personal involvement, gain experiential knowledge of the many processes necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

THTR 50 PRODUCTION PROJECTS IN THEATRE

SLO 1. Students discover and investigate skills applicable to the creation of all aspects of theatre production.

SLO 2. Students practice and apply skills in multiple areas of theatre, including playwriting, acting, directing, design, management and marketing.

SLO 3. Students identify and explore relevant, topical, contemporary issues and themes upon which to build a production.

THTR 53 AUDITIONING FOR THEATRE

SLO 1. Students generate, rehearse and perform a general audition package, suitable for application to the theatre community at large incorporating the criteria and theories introduced.

SLO 2. Students apply practical comprehension of auditioning premises and industry guidelines through multiple auditioning scenarios.

SLO 3. Students capture concepts of self-promotion and the industry standards for personal presentation in seeking performance/employment opportunities.

THTR 54	ACTOR'S WORKSHOP	
	SLO 1. Students develop and practice additional skills in stage characterization, movement and voice, focusing on a high level of versatility.	
	SLO 2. Students are able to identify acting strengths and weaknesses, and convert weaknesses into additional strengths.	
THTR 79	MODEL BUILDING FOR THEATRE, FILM & TELEVISION	No SLOs on file.
THTR 80	RECORDING ARTS I: SOUND REINFORCEMENT	No SLOs on file.
THTR 81	CONTEMPORARY ISSUES IN PERFORMANCE SEMINAR	
	SLO 1. Distinguish and examine the contemporary performance and business trends of the entertainment industry.	
	SLO 2. Analyze and evaluate theatrical productions by professional and nonprofessional performers and companies.	
	SLO 3. Recognize and identify the industry standards of ethical behaviors and practices for professionals.	
THTR 85	DIRECTED FIELD STUDY IN THEATRE	
	SLO 1. Through observation of outstanding, live, professional theatre, students gain insight and perspective into the unique symbiosis of text, direction, acting and design in creating a vessel of meaningful communication to an audience.	
	SLO 2. Students deepen analytic abilities through relating various components of the art form to issues of personal, cultural, political, social, relevance and reflection.	
THTR 85X	DIRECTED FIELD STUDY IN THEATRE	
	SLO 1. Through observation of outstanding, live, professional theatre, students gain insight and perspective into the unique symbiosis of text, direction, acting and design in creating a vessel of meaningful communication to an audience.	
	SLO 2. Students deepen analytic abilities through relating various components of the art form to issues of personal, cultural, political, social, relevance and reflection.	
THTR 85Y	DIRECTED FIELD STUDY IN THEATRE	
	SLO 1. Through observation of outstanding, live, professional theatre, students gain insight and perspective into the unique symbiosis of text, direction, acting and design in creating a vessel of meaningful communication to an audience.	
	SLO 2. Students deepen analytic abilities through relating various components of the art form to issues of personal, cultural, political, social, relevance and reflection.	
THTR 85Z	DIRECTED FIELD STUDY IN THEATRE	No SLOs on file.
THTR 95	THEATRE SUMMER STOCK WORKSHOP	
	SLO 1. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (actor, designer, stage manager, technician) in staging a fully-realized live theatrical performance.	
	SLO 2. Students, through personal interaction and involvement, gain experiential knowledge of the many processes necessary for preparing and producing a fully realized live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.	
	SLO 3. Students furthermore process direct knowledge through personal involvement the roles, demands, terminology, expectations of developing a production in the model of a professional/semi-professional structured theatre environment.	
THTR 95X	THEATRE SUMMER STOCK WORKSHOP	
	SLO 1. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (actor, designer, stage manager, technician) in staging a fully-realized live theatrical performance.	
	SLO 2. Students, through personal interaction and involvement, gain experiential knowledge of the many processes necessary for preparing and producing a fully realized live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.	

SLO 3. Students furthermore process direct knowledge through personal involvement the roles, demands, terminology, expectations of developing a production in the model of a professional/semi-professional structured theatre environment.

THTR 97 ACTORS' ENSEMBLE

SLO 1. Students, through personal involvement, gain experiential knowledge of the processes and terminology necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

SLO 2. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, designer, stage manager, technician, choreographer) in staging a fully-realized, live theatrical performance.

THTR 97X ACTORS' ENSEMBLE

SLO 1. Students, through personal involvement, gain experiential knowledge of the processes and terminology necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

SLO 2. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, designer, stage manager, technician, choreographer) in staging a fully-realized, live theatrical performance.

THTR 97Y ACTORS' ENSEMBLE

SLO 1. Students, through personal involvement, gain experiential knowledge of the processes and terminology necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

SLO 2. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, designer, stage manager, technician, choreographer) in staging a fully-realized, live theatrical performance.

THTR 97Z ACTORS' ENSEMBLE

SLO 1. Students, through personal involvement, gain experiential knowledge of the processes and terminology necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

SLO 2. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, designer, stage manager, technician, choreographer) in staging a fully-realized, live theatrical performance.

THTR 99 THEATRE WORKSHOP

SLO 1. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, designer, stage manager, technician, choreographer) in staging a fully-realized, live theatrical performance.

SLO 2. Students, through personal involvement, gain experiential knowledge of the processes and terminology necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

THTR 99X THEATRE WORKSHOP

SLO 1. Students, through personal involvement, gain experiential knowledge of the processes and terminology necessary for preparing and producing a fully-realized, live theatrical performance--rehearsal process, technical rehearsal, fusion of design concepts, performance standards, auditioning and casting, publicity.

SLO 2. Through critical thinking, problem solving, teamwork practices students challenge, synthesize and develop skills pertaining to the designated assignment (performer, designer, stage manager, technician, choreographer) in staging a fully-realized, live theatrical performance.

45 of 44 Course IDs for V T in the Biological and Health Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
V T 50	CURRENT TOPICS IN VETERINARY TECHNOLOGY	<p>SLO 1. Reflect upon and evaluate the value of the topical information presented and discuss the relevance and relationship to the Veterinary Technology Core Curriculum.</p> <p>SLO 2. Identify, appraise, and articulate the broad scope of career opportunities obtainable in the veterinary field.</p>
V T 51	INTRODUCTION TO VETERINARY TECHNOLOGY	<p>SLO 1. List available relevant information sources and articulate the Veterinary Technology Program Prerequisites and Application requirements.</p> <p>SLO 2. Read, evaluate, and reflect on a topical article from the veterinary or veterinary technology literature.</p>
V T 52A	VETERINARY ASSISTING I	<p>SLO 1. Describe the role of the Veterinary Assistant in the veterinary health care team; articulate and distinguish the scope of allowable tasks and responsibilities from those of the Licensed Veterinary Technician.</p> <p>SLO 2. Describe the essential tasks and responsibilities of the Veterinary Assistant working in the front office of the veterinary practice.</p>
V T 52B	VETERINARY ASSISTING II	<p>SLO 1. Identify and list the essential equipment, supplies, and steps required and the the required actions and behavior when assisting the veterinary technician or veterinarian with a variety of common clinical diagnostic procedures.</p> <p>SLO 2. Identify and list the essential equipment, supplies, and steps required and the the required actions and behavior when assisting the veterinary technician or veterinarian with a variety of common clinical therapeutic procedures.</p>
V T 53A	MEDICAL TERMINOLOGY	<p>SLO 1. Acquire a fundamental veterinary medical vocabulary and apply to speaking and writing.</p> <p>SLO 2. Analyze and interpret medical words and terminology.</p>
V T 53B	MEDICAL CALCULATIONS	<p>SLO 1. Demonstrate the knowledge and ability required to quickly and accurately calculate common drug dose calculations.</p> <p>ILO 1. 3. Computation</p> <p>SLO 2. Demonstrate the knowledge and ability required to quickly and accurately calculate common intravenous fluid dose and infusion rate calculations.</p> <p>ILO 2. 3. Computation</p>
V T 53C	INTRODUCTION TO LARGE ANIMAL CARE	<p>SLO 1. List and explain the common medical conditions of the horse, cow, and small ruminants</p> <p>SLO 2. Comprehend and appreciate food animal production methods and the commercial uses of animals in addition to the companion animal standing of domestic animals.</p>
V T 53D	INTRODUCTION TO DAIRY CATTLE HEALTH MANAGEMENT	

- SLO 1.** Articulate the basic principles of the husbandry and health management of beef and dairy cattle.
- SLO 2.** Correctly identify common breeds of beef and dairy cattle.
- V T 53E INTRODUCTION TO SMALL RUMINANT HEALTH MANAGEMENT
- SLO 1.** Articulate the basic principles of the husbandry and health management of sheep and goats.
- SLO 2.** Correctly identify common breeds of sheep and goats.
- V T 53F INTRODUCTION TO SWINE HEALTH MANAGEMENT
- SLO 1.** Articulate the basic principles of the husbandry and health management of swine.
- SLO 2.** Correctly identify the common breeds of swine.
- V T 54A COMPARATIVE VETERINARY ANATOMY & PHYSIOLOGY FOR THE VETERINARY TECHNICIAN
- SLO 1.** Recognize and identify the normal anatomy of selected organs and organ systems of domestic animals and relate it to the clinical practice of veterinary technology.
- SLO 2.** Know and explain the normal physiology of selected organs and organ systems of domestic animals and relate it to the clinical practice of veterinary technology.
- V T 54B COMPARATIVE VETERINARY ANATOMY & PHYSIOLOGY FOR THE VETERINARY TECHNICIAN
- SLO 1.** Recognize and identify the normal anatomy of selected organs and organ systems of domestic animals and relate it to the clinical practice of veterinary technology. Explain the normal physiology of selected organs and organ systems of domestic animals and relate it to the clinical practice of veterinary technology.
- SLO 2.** Know and explain the normal physiology of selected organs and organ systems of domestic animals and relate it to the clinical practice of veterinary technology.
- V T 55 ANIMAL MANAGEMENT & CLINICAL SKILLS I
- SLO 1.** Demonstrate entry-level competence in the proper restraint and handling of companion animals.
- SLO 2.** Articulate the importance of the Universal Precautions and principles of Aseptic Technique and demonstrate the practical application of those principles in a variety of common clinical situations.
- SLO 3.** Recognize and articulate the common hazards encountered in the veterinary workplace, explain the Code of Safe Practices, and recall the Personal Protective Equipment required for various clinical tasks.
- V T 56 ANIMAL MANAGEMENT & CLINICAL SKILLS II
- SLO 1.** Demonstrate entry-level competency in the essential medical and surgical nursing tasks required of the first year Veterinary Technology student.
- ILO 1.** 2. Creative, critical and analytical thinking
- SLO 2.** Correctly set up for and perform the common diagnostic tests and therapeutic techniques typically assigned to the Licensed Veterinary Technician.
- ILO 2.** 2. Creative, critical and analytical thinking
- V T 60 VETERINARY OFFICE PRACTICE
- SLO 1.** Reflect and evaluate their own personal strengths and weaknesses in interpersonal communication in the veterinary workplace.
- ILO 1.** 1. Communication
- SLO 2.** Demonstrate the ability to provide effective client education for a variety of common veterinary conditions and circumstances.
- ILO 2.** 1. Communication
- V T 61 ANIMAL DISEASES

- SLO 1.** Know and explain the basic pathophysiology of the common diseases of domestic animals.
- SLO 2.** Identify common ecto- and endoparasites of domestic animals and explain the clinical significance of each to veterinary patients.
- V T 66 EXOTIC ANIMAL CARE
- SLO 1.** Demonstrate a basic knowledge and understanding of the husbandry, medical care, routine clinical procedures of rabbits, ferrets, guinea pigs, chinchillas, small rodents, birds, snakes, lizards, turtles.
- SLO 2.** Correctly identify the identifying characteristics and breeds of rabbits, ferrets, guinea pigs, chinchillas, small rodents, birds, snakes, lizards, turtles.
- V T 70 FUNDAMENTALS OF VETERINARY DIAGNOSTIC IMAGING
- SLO 1.** Know and apply the principles of veterinary radiography to consistently produce diagnostic radiographs of animal patients.
- SLO 2.** Routinely and unflinchingly employ all of the principles of radiation safety when working around ionizing radiation.
- V T 72 PRINCIPLES OF VETERINARY DENTISTRY
- SLO 1.** Safely and correctly perform a complete dental prophylaxis on a veterinary companion animal patient at an entry level of competency.
- SLO 2.** Prepare and effectively deliver client education regarding home dental care for companion animals.
- V T 75A ANIMAL CARE SKILLS I
- SLO 1.** Conscientiously and safely perform assigned routine husbandry duties and prescribed medical care of veterinary technology teaching animals.
- SLO 2.** Make accurate entries into the animals records and demonstrate the ability to work cooperatively and communicate effectively with other members of the health care team.
- V T 75B ANIMAL CARE SKILLS II
- SLO 1.** Conscientiously and safely perform assigned routine husbandry duties and prescribed medical care of veterinary technology teaching animals.
- SLO 2.** Make accurate entries into the animals records and demonstrate the ability to work cooperatively and communicate effectively with other members of the health care team.
- V T 75C ANIMAL CARE SKILLS III
- SLO 1.** Conscientiously and safely perform assigned routine husbandry duties and prescribed medical care of veterinary technology teaching animals.
- SLO 2.** Make accurate entries into the animals records and demonstrate the ability to work cooperatively and communicate effectively with other members of the health care team.
- V T 75D ANIMAL CARE SKILLS IV
- SLO 1.** Conscientiously and safely perform assigned routine husbandry duties and prescribed medical care of veterinary technology teaching animals.
- SLO 2.** Make accurate entries into the animals records and demonstrate the ability to work cooperatively and communicate effectively with other members of the health care team.
- V T 81 CLINICAL PATHOLOGY METHODS
- SLO 1.** Assemble all required equipment and materials and perform a Complete Blood Count (CBC) on a animal blood sample.
- SLO 2.** Assemble all required equipment and materials and perform a Complete Urinalysis (UA) on a animal urine sample.
- V T 83 PHARMACOLOGY FOR TECHNICIANS
- SLO 1.** Know and articulate "The Five Rights" for safe and correct administration of veterinary drugs to animal patients.

- SLO 2.** List and discuss the mechanism of action, indications, contraindications, and adverse effects of the common veterinary pharmaceuticals in all drug classes.
- V T 84 ANESTHESIOLOGY FOR TECHNICIANS
- SLO 1.** Thoroughly and systematically perform a pre-anesthetic assessment of a veterinary patient and correctly identify the risk category of that patient.
- ILO 1.** 2. Creative, critical and analytical thinking
- SLO 2.** Safely and competently prepare, induce, maintain, and recover a dog and a cat from general anesthesia.
- ILO 2.** 2. Creative, critical and analytical thinking
- V T 85 VETERINARY EMERGENCY & CRITICAL CARE
- SLO 1.** Recognize and articulate the common history and clinical signs of common veterinary emergency conditions.
- SLO 2.** Quickly and competently assess an emergency/critical care patient and perform effective triage.
- V T 86 LABORATORY ANIMAL TECHNOLOGY
- SLO 1.** Identify the common species and breeds of laboratory animals and articulate the husbandry and care of each.
- SLO 2.** Know and discuss all the laws that pertain to the Care and Use of Laboratory Animals.
- V T 86L LABORATORY ANIMAL METHODS
- SLO 1.** Demonstrate entry-level competency in the humane and proper restraint and handling of common laboratory animal species.
- SLO 2.** Demonstrate entry-level competency in the essential clinical methods and procedures commonly performed on common laboratory animal species in biomedical facilities
- V T 87A ADVANCED ANIMAL CARE SKILLS I
- SLO 1.** Conscientiously and safely perform assigned routine husbandry duties and prescribed medical care of veterinary technology teaching animals.
- SLO 2.** Make accurate entries into the animals records and demonstrate the ability to work cooperatively and communicate effectively with other members of the health care team.
- V T 87B ADVANCED ANIMAL CARE SKILLS II
- SLO 1.** Conscientiously and safely perform assigned routine husbandry duties and prescribed medical care of veterinary technology teaching animals.
- ILO 1.** 2. Creative, critical and analytical thinking
- SLO 2.** Make accurate entries into the animals records and demonstrate the ability to work cooperatively and communicate effectively with other members of the health care team.
- ILO 2.** 2. Creative, critical and analytical thinking
- V T 87C ADVANCED ANIMAL CARE SKILLS III
- SLO 1.** Conscientiously and safely perform assigned routine husbandry duties and prescribed medical care of veterinary technology teaching animals.
- SLO 2.** Make accurate entries into the animals records and demonstrate the ability to work cooperatively and communicate effectively with other members of the health care team.
- V T 88A CLINICAL PRECEPTORSHIP I
- SLO 1.** Compare and contrast the roles of the Veterinary Assistant and Licensed Veterinary Technician in their clinical preceptorship location.
- SLO 2.** Identify and articulate the practical application of the knowledge, skills, and attitudes required of a Veterinary Assistant.
- V T 88B CLINICAL PRECEPTORSHIP II
- SLO 1.** Research and report on the methodologies and practice philosophies in their clinical preceptorship location.

	SLO 2. Acquire experience and demonstrate entry-level competence in essential tasks commonly delegated to the Veterinary Assistant.	
V T 89	CLINICAL INTERNSHIP I	
	SLO 1. Observe, practice, and ultimately demonstrate entry-level competency in Level 1 of the List of Essential Tasks for Graduate Veterinary Technicians.	
	SLO 2. Consistently exhibit a strong work ethic and demonstrate the ability to adapt to to various methodologies and practice philosophies and successfully integrate into the veterinary workplace.	
V T 91	CLINICAL INTERNSHIP II	
	SLO 1. Observe, practice, and ultimately demonstrate entry-level competency in Level 2 of the List of Essential Tasks for Graduate Veterinary Technicians.	
	SLO 2. Consistently exhibit a strong work ethic and demonstrate the ability to adapt to to various methodologies and practice philosophies and successfully integrate into the veterinary workplace.	
V T 92	CLINICAL INTERNSHIP III	
	SLO 1. Observe, practice, and ultimately demonstrate entry-level competency in Level 3 of the List of Essential Tasks for Graduate Veterinary Technicians.	
	ILO 1. 1. Communication	
	SLO 2. Consistently exhibit a strong work ethic and demonstrate the ability to adapt to to various methodologies and practice philosophies and successfully integrate into the veterinary workplace.	
	ILO 2. 2. Creative, critical and analytical thinking	
V T 93	CLINICAL INTERNSHIP IV	
	SLO 1. Observe, practice, and ultimately demonstrate entry-level competency in Level 4 of the AVMA List of Essential Tasks for Graduate Veterinary Technicians.	
	SLO 2. Consistently exhibit a strong work ethic and demonstrate the ability to adapt to to various methodologies and practice philosophies and successfully integrate into the veterinary workplace.	
V T 95	VETERINARY TECHNICIAN PROFICIENCY	
	SLO 1. Prepare and produce accurate and comprehensive written review materials to prepare for and pass the CA Registered Veterinary Technician Licensing Exam.	
	SLO 2. Study and answer practice sets of exam questions with 75% or greater accuracy to prepare for and pass the CA Registered Veterinary Technician Licensing Exam.	
V T 95L	VETERINARY TECHNICIAN PROFICIENCY LABORATORY	
	SLO 1. Complete all VT Program Competency Checklists.	
	SLO 2. Reflect on their own clinical skills strengths and weaknesses and review, practice, and demonstrate entry-level competency in needed skills required of a graduate Veterinary Technician.	
V T 290	DIRECTED STUDY	No SLOs on file.
V T 290X	DIRECTED STUDY	No SLOs on file.
V T 290Y	DIRECTED STUDY	No SLOs on file.
V T 290Z	DIRECTED STUDY	No SLOs on file.

26 of 21 Course IDs for *VART* in the Fine Arts and Communication Division 2009-2010 have SLO's.

Course ID	Title	SLO's
VART 1	INTRODUCTION TO FILM STUDIES	
	SLO 1. Demonstrate the ability to analyze and synthesize the language of moving image media.	

SLO 2. Interpret and evaluate a variety of contexts and ideologies within different film forms.

SLO 3. Identify and analyze the technological components of film and video making.

VART 2A HISTORY OF FILM 1895-1945

SLO 1. Identify and explain basic facts and evolution of the early techniques and technologies of film-making.

SLO 2. Identify major film historical movements in U.S. and International film from 1895 to 1940.

SLO 3. Demonstrate the ability to analyze and synthesize the language of moving image media.

VART 2B HISTORY OF FILM 1945-CURRENT

SLO 1. Identify major film historical movements in U.S. and International film from 1940 through today.

SLO 2. Demonstrate the ability to analyze film's role in the shaping of cultural values and perceptions.

SLO 3. Identifies the evolution of film and video technologies and techniques from 1940 to today

VART 2C CURRENT TRENDS IN FILM, TV & THE INTERNET

SLO 1. Demonstrate the ability to analyze and synthesize the language of moving image media.

SLO 2. Analyze the role of new media in the shaping of cultural values and perceptions.

SLO 3. Identify and describe the evolution of form, style, genre, and historical trend within contemporary new media.

VART 3 AMERICAN CINEMA

SLO 1. Identify and explain major trends in the evolution of American film as an art form.

SLO 2. Demonstrates knowledge of film's role in business, entertainment, and popular culture.

SLO 3. Analyzes American film's role in the shaping of cultural values and perceptions.

SLO 4. Identify the contributions made to the evolution of film and video art by leading American filmmakers, including media makers of diverse populations.

VART 4 SCRIPTWRITING FOR FILM & VIDEO

SLO 1. Demonstrate a command of the principles of story structure for fiction and non-fiction forms.

SLO 2. Write short scripts for video and film in fiction and non-fiction formats.

SLO 3. Develop the skills necessary to create clearly defined, dynamic characters.

VART 15 WEB VIDEO

SLO 1. Applies accurate video production principles to the creation of internet media.

SLO 2. Applies correct principles of compression to the creation of internet media.

SLO 3. Demonstrates a comprehensive understanding of the web video workflow.

VART 20 DIGITAL VIDEO PRODUCTION I

SLO 1. Demonstrates a working knowledge of basic video production principles.

SLO 2. Demonstrates a working knowledge of basic video production equipment.

SLO 3. Demonstrates a comprehensive knowledge of the video production process and the skills necessary to function successfully as a member of a production team.

SLO 4. Analyzes the creative and technical decisions made in the video production process.

VART 21 DIGITAL VIDEO PRODUCTION II

SLO 1. Demonstrates a working knowledge of intermediate to advanced level video production principles.

SLO 2. Demonstrates a working knowledge of intermediate to advanced level video production equipment.

SLO 3. Demonstrates the ability to analyze and critique the creative and technical decisions made in video production.

VART 30 DIGITAL VIDEO EDITING I

No SLOs on file.

VART 31	DIGITAL VIDEO EDITING II	No SLOs on file.
VART 50	CAREERS IN THE VISUAL ARTS	
	SLO 1.	Demonstrate an awareness of various career options for visual and media artists.
	SLO 2.	Identify examples of visual art representing each of ten careers options for visual artists.
VART 80	SPECIAL PROJECTS IN VIDEO	
	SLO 1.	Apply skills learned in previously completed courses to new production activity or intensive research on a defined subject as identified through discussion and negotiation between instructor and student.
	SLO 2.	Demonstrates creative problem solving and analysis skills in the video production process through the completion of an independent study project.
VART 80X	SPECIAL PROJECTS IN VIDEO	
	SLO 1.	Apply skills learned in previously completed courses to new production activity or intensive research on a defined subject as identified through discussion and negotiation between instructor and student.
	SLO 2.	Demonstrates creative problem solving and analysis skills in the video production process through the completion of an independent study project.
VART 80Y	SPECIAL PROJECTS IN VIDEO	
	SLO 1.	Apply skills learned in previously completed courses to new production activity or intensive research on a defined subject as identified through discussion and negotiation between instructor and student.
	SLO 2.	Demonstrates creative problem solving and analysis skills in the video production process through the completion of an independent study project.
VART 81B	SOUND DESIGN FOR FILM & VIDEO	
	SLO 1.	Design and assemble a soundtrack from different sources, both pre-recorded and recorded.
	SLO 2.	Describe and discuss the aesthetic qualities of sound and music as it relates to the content of video.
VART 87	MOTION GRAPHICS	
	SLO 1.	Demonstrate an understanding of the language and characteristics of motion graphics.
	SLO 2.	Demonstrate a working knowledge of digital media computer software.
	SLO 3.	Assess form, content and technique when solving problems in time based media.
VART 150	VIDEO ARTS LABORATORY	
	SLO 1.	Develop specific skills being taught in video arts courses in which the student is currently enrolled. Examples include, video editing and production aesthetics, video software and hardware skills, pre-production, scriptwriting.
	SLO 2.	Demonstrate increased skills in the subject areas addressed via independent study.
VART 150X	VIDEO ARTS LABORATORY	
	SLO 1.	Develop specific skills being taught in video arts courses in which the student is currently enrolled. Examples include, video editing and production aesthetics, video software and hardware skills, pre-production, scriptwriting.
	SLO 2.	Demonstrate increased skills in the subject areas addressed via independent study.
VART 150Y	VIDEO ARTS LABORATORY	
	SLO 1.	Develop specific skills being taught in video arts courses in which the student is currently enrolled. Examples include, video editing and production aesthetics, video software and hardware skills, pre-production, scriptwriting.
	SLO 2.	Demonstrate increased skills in the subject areas addressed via independent study.
VART 150Z	VIDEO ARTS LABORATORY	

SLO 1. Develop specific skills being taught in video arts courses in which the student is currently enrolled. Examples include, video editing and production aesthetics, video software and hardware skills, pre-production, scriptwriting.

SLO 2. Demonstrate increased skills in the subject areas addressed via independent study.

15 of 15 Course IDs for *VITI* in the Biological and Health Sciences Division have SLO's. 2009-2010

Course ID	Title	SLO's
VITI 51	APPLIED PLANT SCIENCE	SLO 1. Describe techniques for grape maturity sampling. SLO 2. Calculate the size of the grape crop through field observation.
VITI 52	FALL PRACTICES	SLO 1. Determine the appropriate method of pruning for a given grape variety. SLO 2. Identify disease symptoms common in the winter vineyard.
VITI 53	WINTER PRACTICES	SLO 1. Determine the appropriate method of pruning for a given grape variety. SLO 2. Identify disease symptoms common in the winter vineyard.
VITI 55	SPRING PRACTICES	SLO 1. Develop an effective fertilization plan for the spring vineyard. SLO 2. Manage a grapevine canopy for maximum fruit production and flavor.
VITI 61A	INTRODUCTION TO WINEMAKING	SLO 1. Make wine from grapes at an introductory level. SLO 2. Develop a harvest plan and harvest wine grapes.
VITI 61B	INTERMEDIATE WINEMAKING	SLO 1. Utilize basic laboratory principles and practices common to the wine industry. SLO 2. Perform common laboratory tests used in the wine industry.
VITI 61C	ADVANCED WINEMAKING	SLO 1. Compare and contrast various treatments to reach desired wine characteristics. SLO 2. Identify the common visual, smell, and taste characteristics used to describe wine.
VITI 63	CONTEMPORARY ISSUES IN WINE MAKING	SLO 1. Compare and contrast various approaches to winemaking. SLO 2. Interpret various emerging concepts on wine quality and the factors that contribute to premium quality.
VITI 65	WINE & CULTURE	SLO 1. Describe the history and evolution and wines around the world. SLO 2. Describe emerging trends of California wine.
VITI 67	RETAIL WINERY MANAGEMENT	SLO 1. Develop a marketing plan for a start up small winery SLO 2. Discuss the compliance issues for wineries and brand establishment.
VITI 90A	WINE APPRECIATION	SLO 1. Describe the history of winemaking. SLO 2. Describe winemaking techniques.

VITI 90B	VINEYARD ESTABLISHMENT
	SLO 1. Layout a vineyard.
	SLO 2. Select appropriate trellis methods for vineyards.
VITI 90C	VINEYARD MANAGEMENT
	SLO 1. Identify common grape diseases and pests.
	SLO 2. Harvest grapes.
VITI 90D	VINE PRUNING
	SLO 1. Identify grape vine training systems.
	SLO 2. Prune Grape vines.
VITI 90E	BASIC WINEMAKING
	SLO 1. List the steps of red wine processing for small scale operations.
	SLO 2. List the steps of white wine processing for small scale operations

10 of 10 Course IDs for *WMN* in the Business and Social Sciences Division 2009-2010 have SLO's.

Course ID	Title	SLO's
WMN 5	INTRODUCTION TO WOMEN'S STUDIES	SLO 1. Evaluate the roles of women in society from a historical and sociological perspective. ILO 1. 4. Community/global consciousness and responsibility SLO 2. Identify and analyze the significance of women in multiple areas of society and culture. ILO 2. 2. Creative, critical and analytical thinking
WMN 11	WOMEN IN GLOBAL PERSPECTIVE	SLO 1. Identify the most significant themes in women's studies in a global context. SLO 2. Evaluate the influence of women in cultural and societal development.
WMN 15	A HISTORY OF WOMEN IN ART	SLO 1. Utilizing a chronological and thematic approach, students will evaluate and discuss the culturally diverse arts produced by women in the history of art, from the Middle Ages to the present. SLO 2. Analyze in written form, the influences on art produced by women of such issues as gender, race, socio-economic and political conditions, increasing urbanization and conceptions of nature.
WMN 21	PSYCHOLOGY OF WOMEN: SEX & GENDER DIFFERENCES	SLO 1. Identify and analyze effects of biology and society (i.e., the effects of culture and social interaction) on women's psychology (or psychologies, since differing cultures produce a range of psychologies). ILO 1. 2. Creative, critical and analytical thinking SLO 2. Comprehend and evaluate patriarchy's effects on women's psychology. ILO 2. 1. Communication
WMN 34H	HONORS INSTITUTE SEMINAR IN WOMEN'S STUDIES	SLO 1. Evaluation of topics in women's studies which reflect an understanding of the roles of women within a historical or other context. SLO 2. Analysis of gender and its impact on societal norms and expectations.
WMN 35	DEPARTMENT HONORS PROJECTS IN WOMEN'S STUDIES	

SLO 1. Evaluation of topics in women's studies which reflect an understanding of the roles of women within a historical or other context.

SLO 2. Analysis of gender and its impact on societal norms and expectations.

WMN 36 SPECIAL PROJECTS IN WOMEN'S STUDIES

SLO 1. Evaluation of topics in women's studies which reflect an understanding of the roles of women within a historical or other context.

SLO 2. Analysis of gender and its impact on societal norms and expectations.

WMN 36X SPECIAL PROJECTS IN WOMEN'S STUDIES

SLO 1. Evaluation of topics in women's studies which reflect an understanding of the roles of women within a historical or other context.

SLO 2. Analysis of gender and its impact on societal norms and expectations.

WMN 36Y SPECIAL PROJECTS IN WOMEN'S STUDIES

SLO 1. Evaluation of topics in women's studies which reflect an understanding of the roles of women within a historical or other context.

SLO 2. Analysis of gender and its impact on societal norms and expectations.

WMN 36Z SPECIAL PROJECTS IN WOMEN'S STUDIES

SLO 1. Evaluation of topics in women's studies which reflect an understanding of the roles of women within a historical or other context.

SLO 2. Analysis of gender and its impact on societal norms and expectations.

Totals: 2117 of 2209 (95.84%) Course ID have Student Learning Outcomes defined.

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