



# PLANNING & RESOURCE COUNCIL

## AGENDA

**March 16, 2011**

Purpose: **Participatory Governance Leaders Meeting**  
Location: **PRESIDENT'S CONFERENCE ROOM**  
Time: **1<sup>st</sup> & 3<sup>rd</sup> Wednesday - 1:30 p.m. to 3:00 p.m.**

<b>DATE March 16</b>	<b>AGENDA TOPIC</b>	<b>DISCUSSION LEADER</b>	<b>EXPECTED OUTCOME</b>
1:30 - 1:35	Introduction of Guests	Miner	
1:35 - 1:40	Approval of Minutes for <b>February 16, 2011*</b>	Miner	Approval
1:40- 1:45	Accreditation Self Study Update	Hueg	Information/Discussion
1:45 - 1:55 1:55 - 2:05 2:05 - 2:15 2:15 - 2:25 2:25 - 2:35	•Division Plans Business and Social Sciences Physical Sciences & Math Computer Information Systems Adaptive Learning Human Performance Bio & Health Division	Seyedin Murray Murray Gregorio Legarza <i>Deferred to 4/6</i>	Information/Discussion
2:35 - 3:00	•Questions/Rumors/Announcements	Miner	Information

\*ATTACHMENTS:  
Minutes 2.16.11

# Business and Social Sciences (BSS) Division

Budget Presentation for PaRC

March 16, 2011

# Departments/Programs

- Accounting\*
- Advertising
- American Studies
- Anthropology\*
- Business\*
- Business International Studies
- Child Development\*
- Economics\*
- Education
- General Studies
- Geography\*
- GIS
- History\*
- Law and Society
- Philosophy\*
- Political Science\*
- Psychology\*
- Real Estate\*
- Social Science
- Sociology\*
- Women's Studies\*

\* Requires Program Review

# BSS by the Numbers

- 21 departments/programs (13 Prog Reviews)
  - Travel Careers ended in June 2010
- 08/09 WSCH: 101,500
- 08/09 Productivity: 555
- 08/09 FTEF: 53.02
- 21 Fulltime faculty (20.08 FTEF, 38%)
  - 5 Probationary (Tenure track)
- 50-100 Part-time faculty (32.94 FTEF, 62%)
- Approx 48% of enrollment is online

# BSS Requests for 2011-12

- FTEF Positions
  - Psychology
  - Business
- B Budget
  - \$38,000 for 2010-11
  - \$35,000 for 2011-12
- Lottery - GIS Software (Perkins)

# Perkins Requests 2011-12

## **Program Request Amount Priority**

- GEOG/GIS Software \$2,700.00 **1**
- BUSI/FEC Student workers (pay/ben) \$30,600.00 **2**
- CHLD Student Advising (CARES) \$10,950.00 **3**
- GEOG/GIS Students (pay/benefits) \$5,100.00 **4**
- CHLD Conf Speaker \$9,000.00 **5**
- ACTG Student Tutors (pay/benefits) \$12,240.00 **6**
- BUSI/FEC Release Time \$26,280.00 **7**
- CHLD Conference Seed Funds \$1,500.00 **8**
- BUSI/FEC Operating Expenses \$5,000.00 **9**
- BUSI/FEC Supplies \$2,000.00 **10**
- GEOG/GIS Brochures \$1,000.00 **11**
- CHLD Brochures \$1,500.00 **12**
- BUSI/FEC Brochures \$1,000.00 **13**
- ACTG Brochures \$1,000.00 **14**
- CHLD Release Time \$23,000.00 **15**
- GEOG/GIS Release Time \$8,760.00 **16**
- GEOG/GIS Advisory Board \$700.00 **17**
- RE Curriculum Work (no full timers) \$5,475.00 **18**
- Total \$147,805.00

# BSS Long-term Requests

- Social Science Lab
  - Begin with Purchase of SPSS (Statistical Package for the Social Sciences) \$13,090
  - Annual License – each year \$4,248
  - Lab space – long term
- Student tutors
  - \$20,000 for 2011-12 for Tutorial Center
  - Input into LRC planning

# Summary

Specific Requests to be submitted for 2011-12

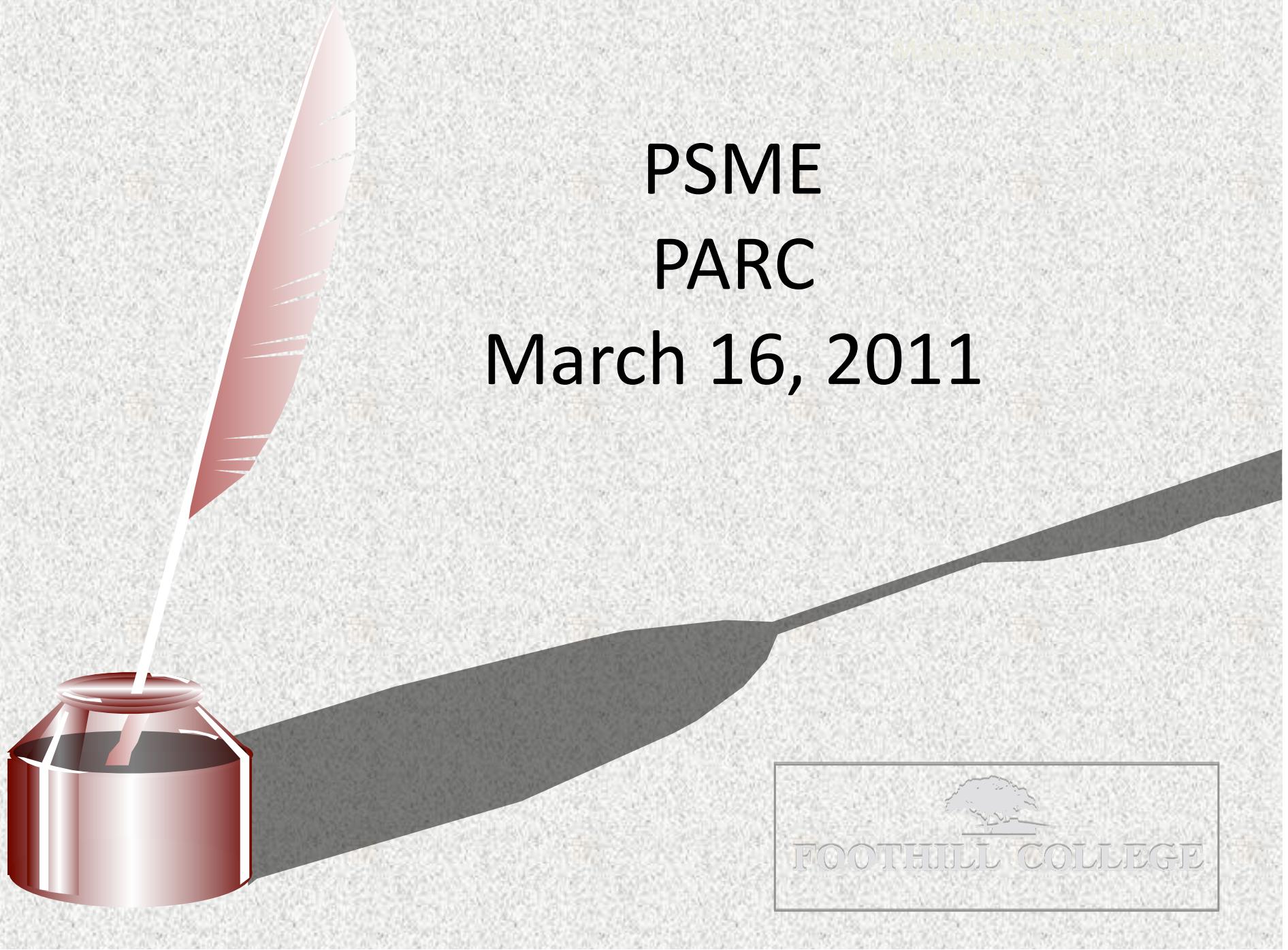
- FTEF Positions
  - Psychology
  - Business
- \$13,090 for SPSS Purchase
- \$20,000 for the Tutorial Center

Assumes B Budget, Perkins and Lottery are funded

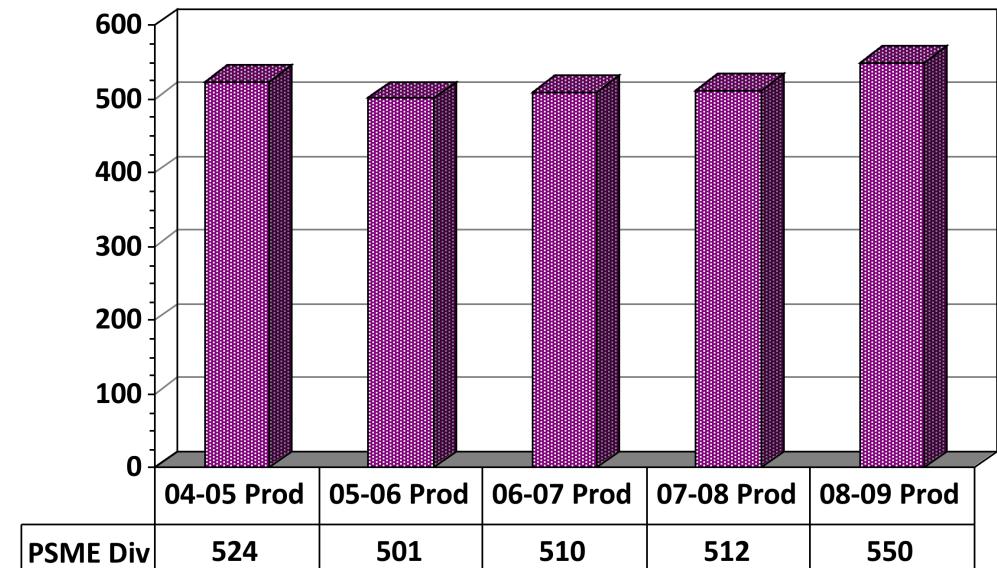
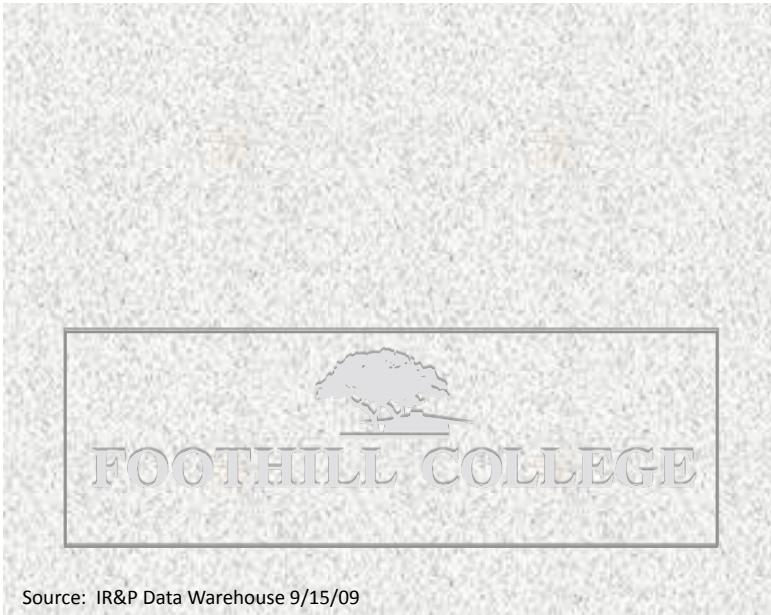
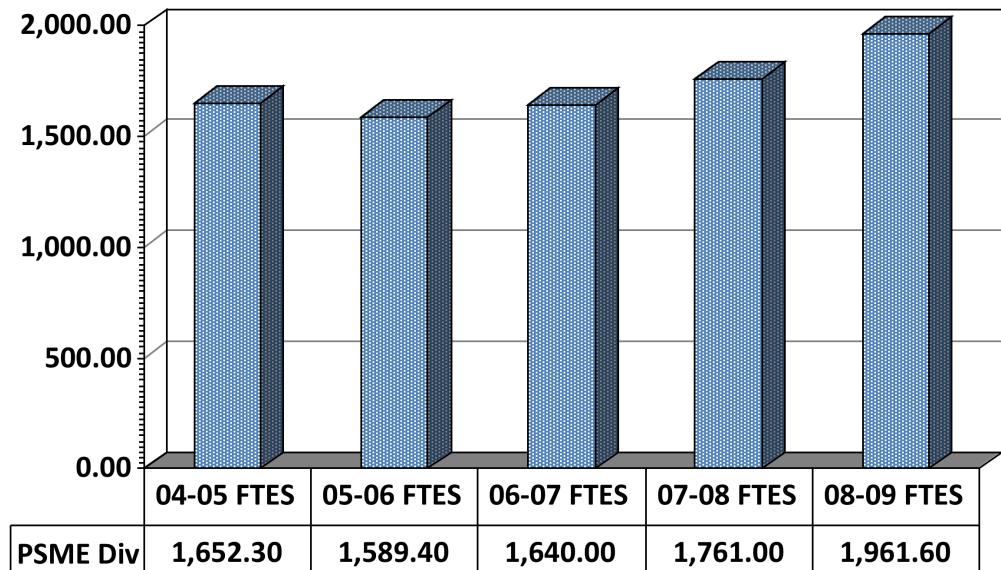
Questions  
or  
Comments

# PSME PARC

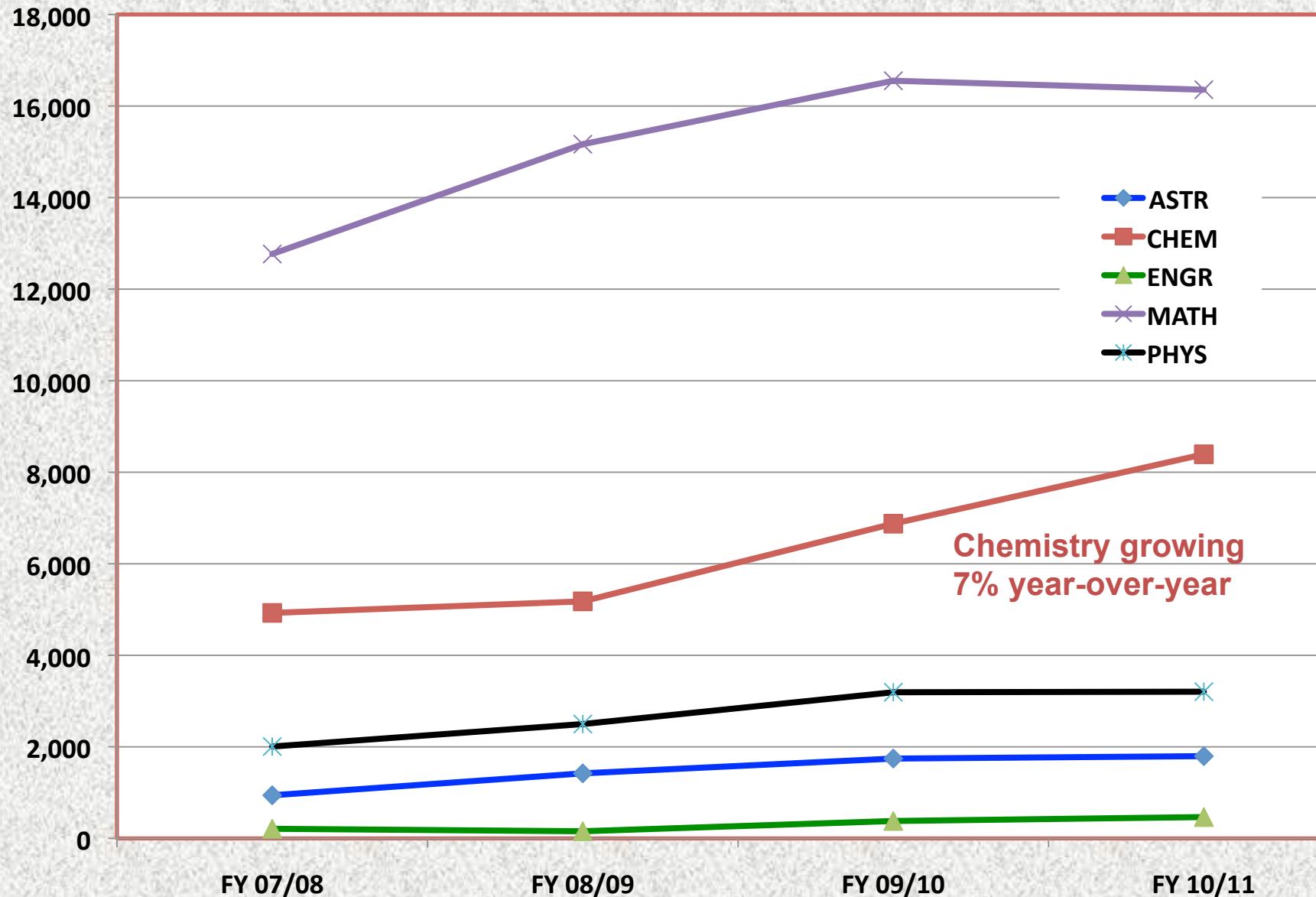
## March 16, 2011



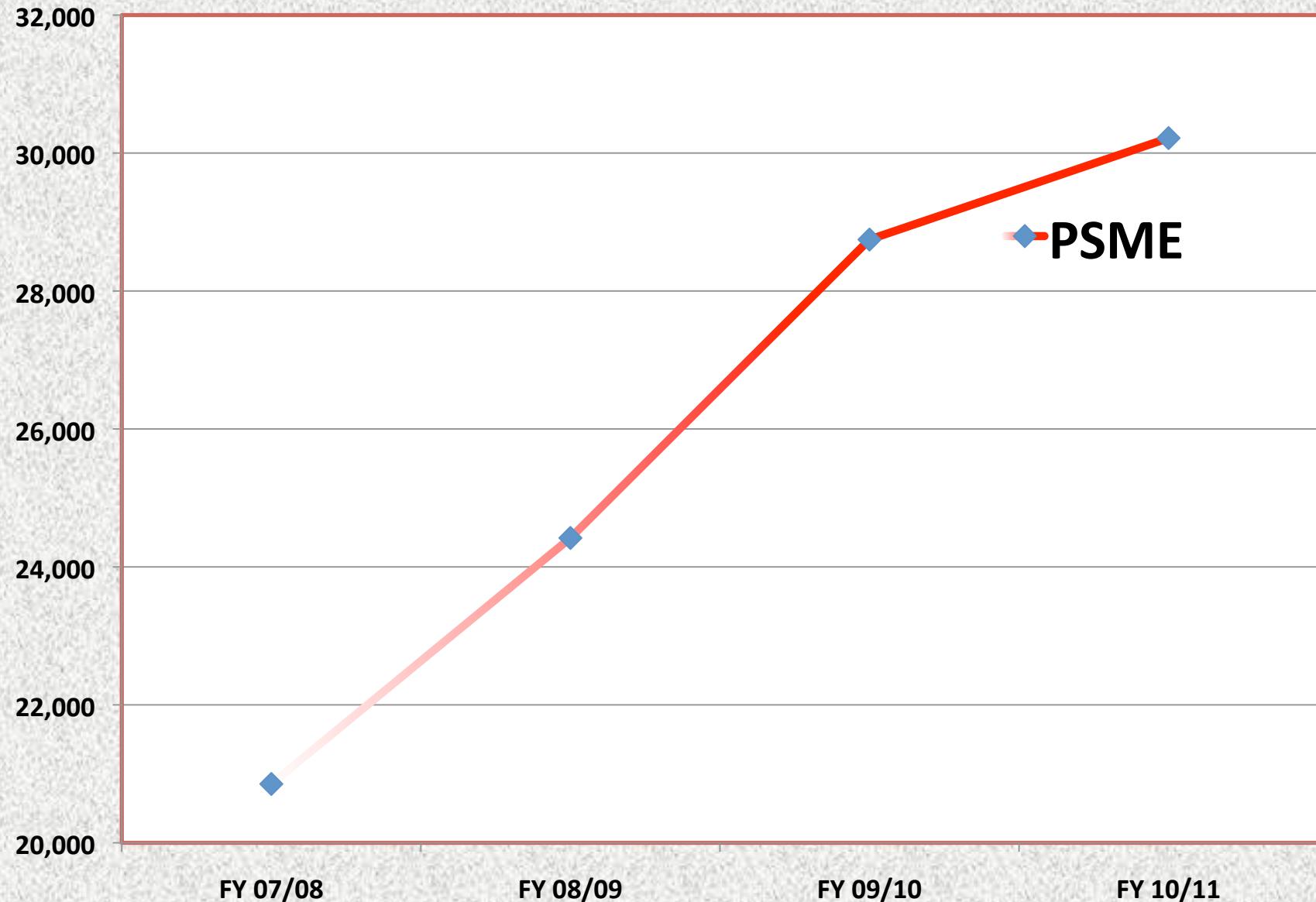
# PSME 5 Year FTES and Productivity



# PSME Winter Quarter

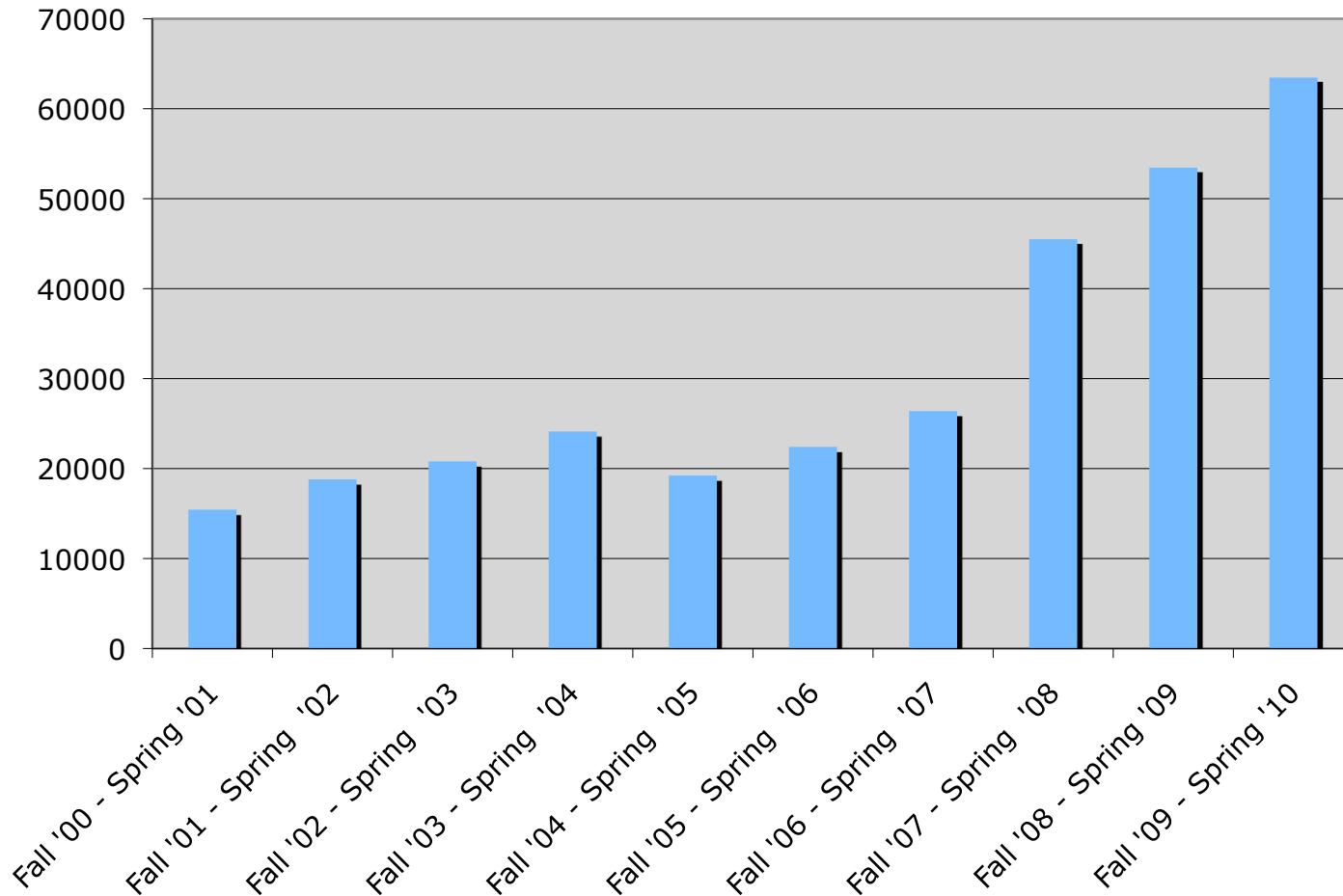


# PSME Winter Quarter



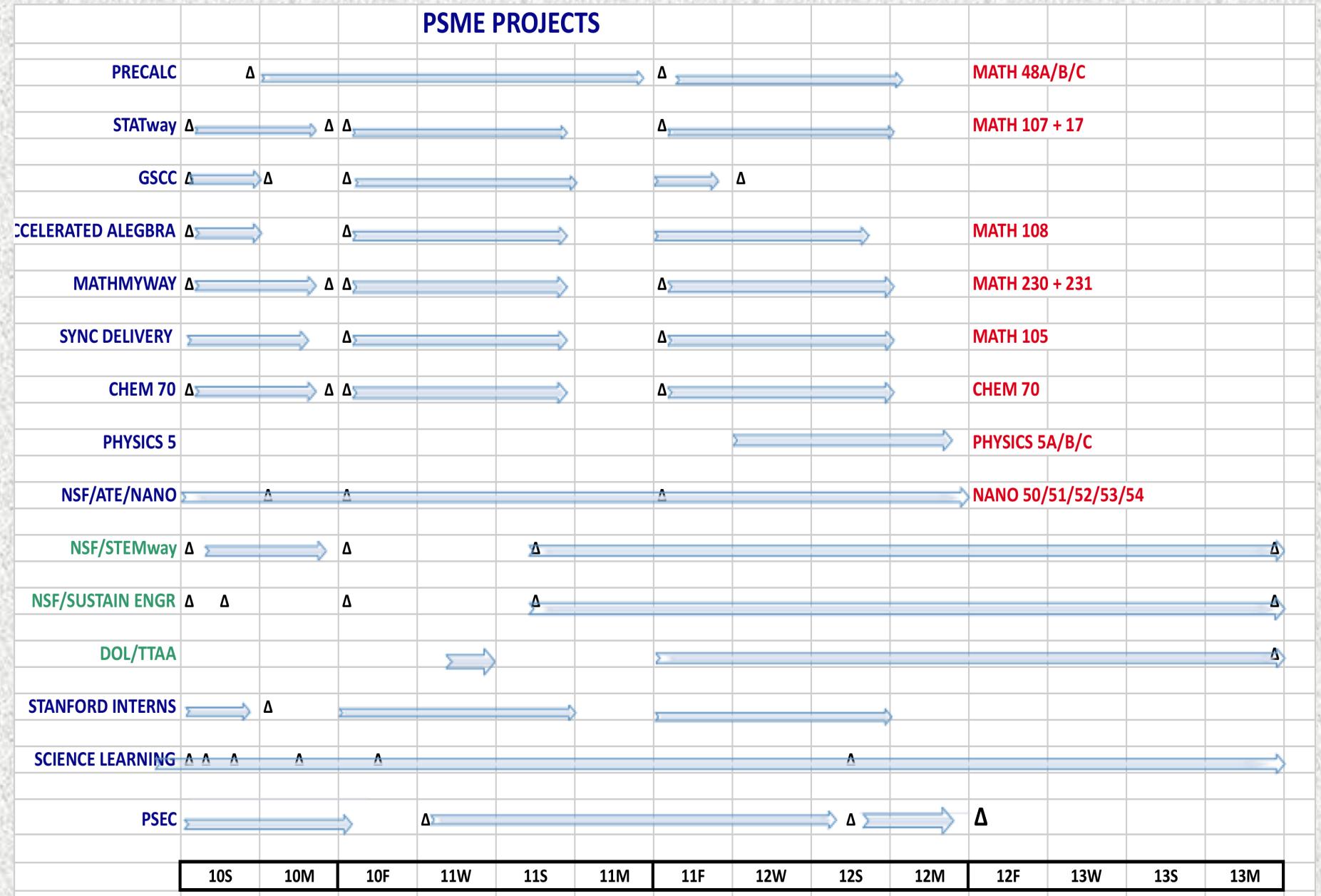
# PSME Center Year-over-Year

PSME CENTER TOTAL HOURS DATA SUMMARY

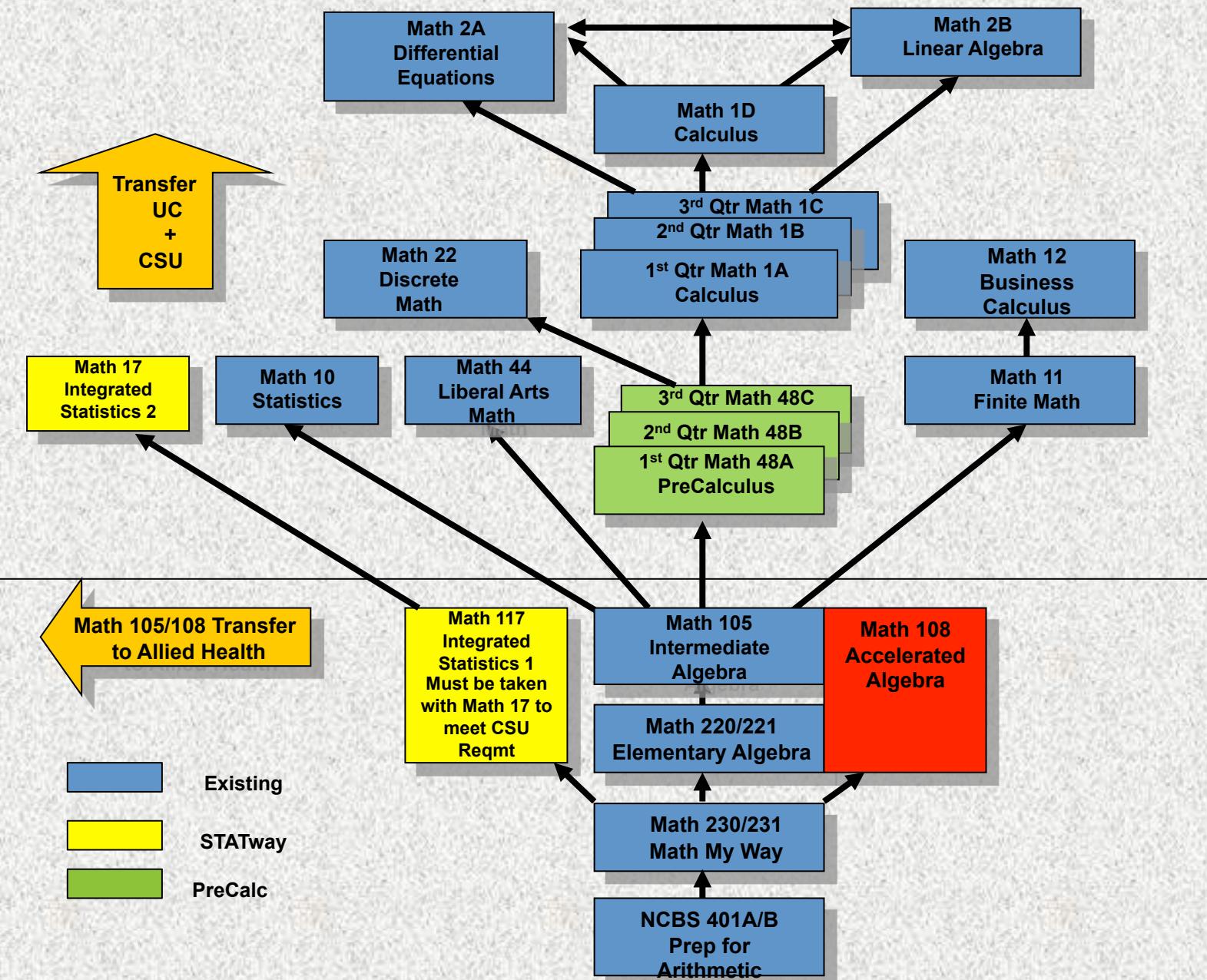


# Change based on research and evidence

## PSME PROJECTS



# Foothill College Math Sequence (2011 Fall)



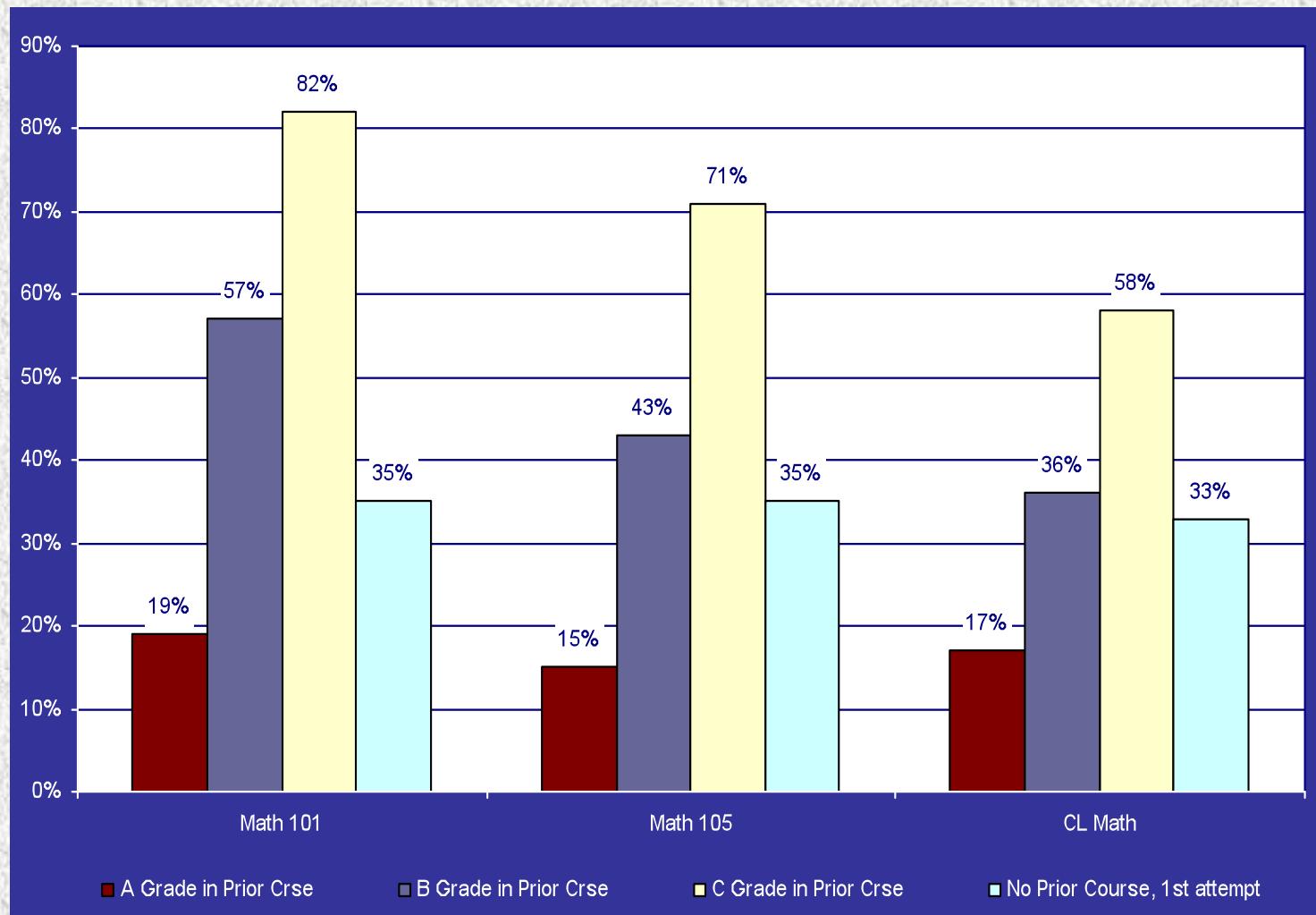
# Resource Requests

- Chemistry Evening Lab Technician
  - This request is to **replace the evening PT technician with a FT technician** that would work in the afternoons and evenings. Is required in order for the department to continue growing and meet current OSHA/HAZMAT.
- PSME Center Coordinator
  - A FT Classified (meet min quals) position is requested to restore the position that existed (Rachel Mudge) in the 1990s, funding existed for a full-time classified staff position, but due to budget cuts was eliminated.
- IF:
  - NSF STEMway: reduce B-budget \$20K for each 3 years
  - DOL Grant: reduce B-budget \$20K for each 3 years

# Backup

Does prior course grade relate  
to future course success in  
Basic Skills sequence courses?

# Prior Course Grade and Non-Success: Math



# Critical Issues Addressed

- Students Achieve Mastery of all Course Concepts
- Flexible pacing
- Acknowledge and Record Progress
- Athletic eligibility
- Financial Aid/Scholarship eligibility

# PreAlgebra & Algebra

- MathMyWay discussed later
- Elementary Algebra (Math 101 → 220/221)
  - Reallocated MMW-220-105
  - Increased contact time
  - Embedded online homework
- Intermediate Algebra
  - Under GSCC + STATway

# PreCalc Redesign

Status in Math 49	Count	Success in Math 49	Non-Success in Math 49
A in Math 51	238	79%	21%
B in Math 51	237	49%	51%
C in Math 51	203	32%	69%
Math 49 - First Math Course	1,313	72%	28%

- Similar data for Precalc to Calc
- Cut scores were aligned
- Make a 1 year sequence vs. 2 quarters
- Move trig to 3<sup>rd</sup> quarter as part of functions
- Complete redesign of COR & materials and examples
- UC accepted sequence

# STATway

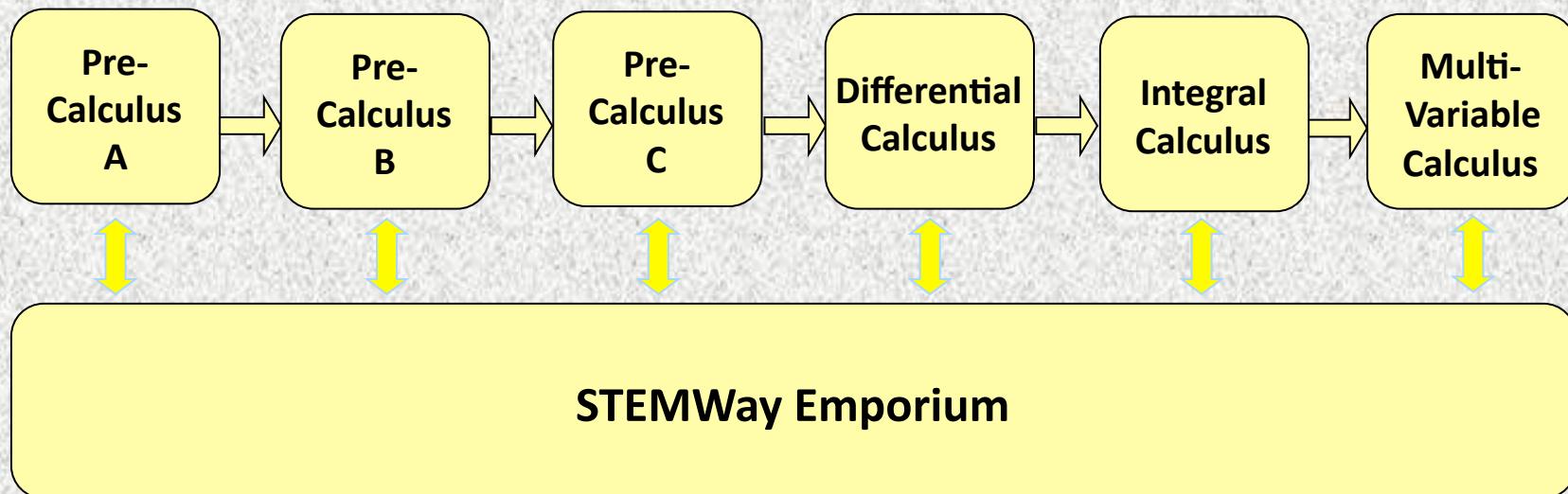
- Carnegie Foundation & Dana Center
  - Funded by Gates Foundation
  - 19 community colleges in 5 states
- Parallel pathway to college level math
- Based on research & measurable improvement cycle
- Focused on statistics, data analysis and quantitative reasoning
- Sequence of Statistics modules embedded with relevant Algebra topics
- Software (content delivery and assessment), Professional development for faculty and counseling & Student support
- 1 year development cycle and initial classes in 2011 Fall
- 4 Faculty + 2 Faculty Carnegie Fellows

# Global Skills for College Completion

- LaGuardia CC Funded by Gates Foundation
  - 16 community colleges in 14 different states
  - SRI provide data analysis
- Overall goal of the project is to document strategies that work, and "bring them to scale"
- The goal of the program is to achieve pass rates of 80 percent
- Faculty member posts on a weekly basis in an ePortfolio
  - detailed outlines of learning outcomes each week
  - "artifacts" (papers, exams, class activities)
  - reflections of assessment of what went well and poorly
- Emphasis on constantly changing the mode of learning
- Initial themes have been identified

# STEMway

- NSF STEP Proposal
  - Anticipated award in spring 2011
- Scaffolding courses with core courses
  - Gateway assessments
  - Bridge support
- Faculty/staff training for approach in scaffolding courses
- Tightly coupled classes with Emporium Model



# Synchronous Online

- Start with using CC Confer (Elluminate)
- Tablet computers used in classrooms
- Online Office Hour
  - [Marc](#)
- Homework examples
  - [Frank](#)
- Synchro Statistics
  - 2 Faculty the same material in class (12:00 & 7:00 PM)
  - Video recorded
- Demonstrations
  - [Bed Nails](#)

# New Courses

- Chem 70
  - Preparatory course for Chem 1A students
    - Study skills and inquiry based problem solving
  - 10F initial course
- Phys 5 A/B/C
  - 3Q calculus based physics series
    - Mechanics and E&M
  - Time + more inquiry based teaching
- Phys 2M
  - Math supplement for Physics 2 Series

# Nanotechnology

- First program approved by California for a Community College
- NSF/ATE 3 year funding
- 4 course series
  - Hybrid delivery
  - Online assess to characterization systems
- Associate of Sciences Degree
- 5 faculty (4 Ph.D. s)
- Developing student transfer pipeline to UC Santa Cruz and CSU San Jose
  - Access to Stanford's NanoFab Facility
- Internship at UCSC/ASL

# Sustainable Engineering

- NSF ATE Proposal this Friday
- Six course core program
  - Survey of energy today
  - Electrical power systems
  - Renewable energy technology
  - Smart energy / AMI (smart grid)
- Campus lab practicum
  - Foothill Cogen Plant and Solar Arrays
  - NASA LEED Platinum PLUS
- UCSC co-development
- Online access to materials and microgrid

# PSEC Fall 2012



# PSEC Commons



# PSEC Plaza

