FOOTHILL COLLEGE
Stand-Alone Course Approval Request

Course #: **C S 49** **Division:** **PSME**

Course Title: Foundations of Computer Programming

Catalog Description:

This course is an introduction to basic computer programming concepts using an object-oriented language. It is intended for students who may wish to take CS 1A or CS 2A, but would like a more gradual entry to computing foundations prior to taking those faster-paced courses. Coding topics include hands-on practice with software engineering tools, simple programs, variables, control structures, functions, and input /output. Concept topics include the comprehension of specifications, adherence to style guidelines, and the importance of testing to ensure that programs are usable, robust and modifiable.

Explain briefly how the proposed course satisfies the following five criteria:

Criteria A. -- Appropriateness to Mission

1. The objectives of this course, as defined in the course outline, are consistent with the mission of the California Community Colleges as established by Education Code 66010.4, especially in that this course:

Teaches critical thinking and basic ICT employment skills.

2. *"A well-educated population being essential to sustaining and enhancing a democratic society, Foothill College commits itself to providing access to outstanding educational opportunities for all of our students. Whether through basic skills, career preparation, lifelong learning, or transfer, the members of the Foothill College community are dedicated to the achievement of learning and to the success of our students. We affirm that our unwavering dedication to this mission is critical to the prosperity of our community, our state, our nation, and the global community to which all people are members." Adopted June 24, 2009*

This course is congruent with the Foothill College mission statement in that it:

Assists students in further training in software development.

Criteria B. -- Need (Explain)

This course is a gradual introduction to computer science, meant to help students succeed in future, university transferrable courses.

Criteria C. -- Curriculum Standards (please initial as appropriate)

x_____ The outline of record for this course has been approved the Division Curriculum Committee and meets the requirements of Title 5.

_____ This course is not either degree-applicable or transferable as an articulated lower division major preparation requirement. ("55805.5. Types of Courses Appropriate to the Associate Degree" criteria does not apply.)

Criteria D. -- Adequate Resources (please initial as appropriate)

x_____ This course will be administered in the same manner as existing courses in terms of funding, faculty, facilities and equipment.

Criteria E. – Compliance (please initial as appropriate)

x_____ The design of the course is not in conflict with any law particularly in regard to enrollment restrictions and licensing or accreditation standards.

Faculty Requestor: Elaine Haight _____ Date: 27 June 2012
Division Curriculum Representative: Marc Knobel_____ Date: 29 June 2012
College Curriculum Co-Chairman: _____ Date: _____