COMPUTER SCIENCE 460/461/462

SENIOR PROJECT

I. Introduction

    A. Catalog Description

    A practical computer software development experience to incorporate topics learned in advanced computer science courses with the tools and techniques for software development studied in the software engineering class. Students may enroll in either the one-semester one-unit 460 or the two-semester 0.5 unit per semester sequence, but not both. Satisfies a writing requirement in major contracts. *Prerequisites: CSCI 340, with at least one upper division computer science course in an area related to the project.*

    B. Learning Objectives

    Graduating students who enter the computer profession will likely be assigned to work on large team software development projects. In addition to possessing the necessary technical abilities, the students will be required to discuss workable computer solutions with colleagues who have varying technical backgrounds. The primary purpose of this course is to give the student a practical opportunity to work with other students on a substantial software project for clients either within or outside the University.

    C. Credit Allocation

    Students will be given the option of enrolling in the course for one unit in one semester, or for half a unit in each of two successive semesters. It is not necessary that each member of a team select the same option.

    D. Prerequisites

    The software engineering course, CSCI 340, with at least one upper division computer science course in an area related to the project.

II. Project Selection and Approval

The students are responsible for selecting a topic and a project committee of three faculty members (one of whom may be from outside the Department). The students will then make a formal proposal to the committee for approval. The proposal will include a clear specification of the project and its goals, a project development plan, and a discussion of the relationship between the proposed project and the background and academic interests of the participants. If the project is approved, the students will implement the project, submit progress reports, and make a formal written and oral presentation before the Department of the completed work. The project committee will monitor student progress and evaluate the final version.