**Basic Course Information:** CS 5990

Course Title: Special Topics for Graduate Students

Units: 1-3 units

CS number: C-2

Component: Lecture

Instructional Mode: Face-to-Face and web-assisted

Grading Basis: Graded only

Repeated Basis: May be taken multiple times only with different topics

Cross listed Course:

Dual-listed Course: N/A

Major course/Service course/GE course: Major course

Date Prepared: Apr. 1, 2015

Prepared by: Daisy Tang

# I. Catalog Description

Group study of a selected topic, the title to be specified in advance.

**II. Required Coursework and Background**

Pre-requisite(s): consent of instructor.

# III. Expected Outcomes

Students are expected to study the selected topic and gain minimum proficiency in that area.

Outcomes of this course will build student capacity in each of the following areas as defined by programmatic objectives for the computer science major.

P-SLO 4. A breadth of advanced knowledge and skills in applied areas of computer science.

# IV. Instructional Materials

**Required text**:

Dependent on different selected topic.

**Reference**:

N/A

# V. Minimum Student Material

Textbook and class handouts

# VI. Minimum College Facilities

A classroom with a projection system, whiteboard, and a computer lab.

# VII. Course Outline

Topics may vary with instructor and over time.

# VIII. Instructional Methods

May include the following:

* Lecture
* Problem-solving/Discussion
* In-class exercises
* Student presentation
* Programming projects

# IX. Evaluation of Outcomes

A. Student Assessment may include:

1. Homework/Project assignments

2. Midterm exam

3. Final exam

4. Presentation

B. Meaningful Writing Assignment

* Students shall produce written solutions or proofs or programs to problems that are assigned as homework and/or programming projects and explain their reasoning.
* Short answer essay questions on exams will require students to explain and justify their response in writing.

C. A Matrix of Course Student Learning Outcomes vs Methods of Assessment

If the course is being evaluated for accreditation purposes, approved department accreditation assessment tools will additionally be utilized.

|  |  |  |  |
| --- | --- | --- | --- |
| Course Learning Outcomes | Methods of Assessment | | |
| Homework/Programming Projects | Exams | Presentations |
| Students are expected to study the selected topic and gain minimum proficiency in that area. | x | x | x |