CS 596: MS Project (3 credit hour)

Prerequisite: Approval of the project committee consisting of 3 graduate faculty members of which 2 will be from Computer Science.

Instructor: Student will register the course with his/her committee chair.

Course Description: An individual study to demonstrate the ability to investigate and analyze a problem, formulate and implement a solution to the problem, and to report results. Written report and oral presentation are required. Guidelines for completing this requirement are available in the department office.

Selecting a Project: A project committee will be formed in one of three ways: (a) Professor identifies a suitable student for a project. (b) Professor has a project but has not identified a suitable candidate. A student who wishes to complete a project will submit an MS Project Request Form to the graduate program director, who will match the students to projects based on preferences of the students and professors. (c) Student proposes a project. Students may submit their own project which may or may not be accepted by a professor in that area. It should be noted that not all students who wish to do a MS project will be matched with a professor and/or approved for the project option. Refer to Project Guideline for additional information.

Project Proposal: To register for the MS Project course,, the student must submit a completed CS596 Approval Form and project proposal to the graduate program director by 5:00 PM Friday, the third week of the semester. A project proposal must include the following: (a) Descriptions of the project and expected deliverable(s) (b) Analysis of required skills and resources (c) Major project milestones, and (d) Validation plan for the deliverable products.

Project Summary: Prior to the final presentation, the student must complete a *Project Summary*, which is similar to what would appear in conference proceedings. The summary document should describe the following: (a) objective(s) of the project and its significance, (b) design and implementation, (c) summary of the product(s), and (d) conclusions and future work.

Final Presentation: Upon completion of the project, a student will be required to perform a one hour final presentation. As a general guideline, students will include the following in their final (oral) presentation: (a) introduction and background, (b) significance of the product(s) in the project, (c) descriptions of the designs of the product(s), (d) descriptions for the implementations of the product(s), (e) demonstration of the product, and (f) evidence that the delivered product(s) satisfy the requirements (or goals), with required validation and/or test results. The last 15-20 minute of the presentation will be a question-and-answer session by the project committee.

Recommend Text: There is not generally required text for this course.

Grading: Letter grades will be given. If a student does not complete the project within the semester, he/she may receive an I (Incomplete) subject to the approval of the project committee.