

Global Learning Semesters

Course Syllabus

Course: COMP-690 Project

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
COMP-690	Project	4
Semester Offered	Contact Hours	Prerequisites
Please contact us	42-45	8 MSc Courses
Department	Level of Course	Language of Instruction
Computer Science	Upper Division	English

Course Description

The course provides students with the experience of planning and bringing to fruition a major piece of individual work. The course aims to encourage and reward individual inventiveness and application of effort. It also aims to allow students:

- to investigate/explore in depth a particular field/topic of interest related to their studies;
- to combine previously acquired knowledge and techniques with newly researched ideas;
- to assimilate existing knowledge in the chosen field and extend this knowledge to a new application;
- to produce an extended piece of work covering a variety of activities related to a single theme bringing together the academic content of, and skills developed in, a range of courses;
- to acquire training in using research methods;
- to plan the various segments of the work and to adapt the plan to take into account the effects of any changes that may become necessary due to altered circumstances as the work proceeds;
- to analyse experimental and other findings and to relate them to an appropriate theoretical analysis;
- to manage the work by confining the problem within limits, which will allow useful work to be done despite the constraining effects of time and other limited resources;
- to effectively communicate the work to others by means of appropriate documentation;
- to develop new knowledge and contribute to the research of a specific Computer Science area.

Prerequisites

8 MSc Courses

Topic Areas

The project is an exercise that may take a variety of forms and can have practical or theoretical orientation. Students are expected to show that they have exercised initiative and worked independently. The scope of the project is not only to complete a well - defined piece of work in a professional manner, but also to place the work into the context of the current state of the art of the subject area.

Students are encouraged to identify a problem and are expected to propose and plan the project. The topic of the project will be chosen in consultation with the Project Supervisor, whose research area and background is related to the project to be carried out. The project supervisor will advise on the scope and viability of the project and will

provide advice, guidance and support for the duration of the project on a weekly basis. Projects may involve a personal contribution by the student, who may identify a problem and attempt to develop a solution. Developing a solution may involve innovation in the application of techniques taught in the courses or in the discovery of relevant material from sources such as libraries and the Web. The student is also expected to manage the work by confining the problem within limits, which will allow useful work to be done despite the constraining effects of time and other limited resources, and to effectively communicate the work to others.

The student will be required to prepare a thesis report (which will include introduction, methodology, results, discussion, literature). S/he will also be required to give an oral presentation in the presence of 3 faculty members-examiners of the program (including the student's supervisor). The presentation will be open to all members of the College. The examiners assess the project for merit of the overall idea, organization of the approach and clarity of presentation, and the competence of the student. Each examiner will prepare an individual evaluation report and then a consensus amongst all examiners will be reached. The consensus summary will be prepared by the student's supervisor.

Readings and Resources

Required Textbook

1. Dawson, C. W. *The Essence of Computing Projects – A Student's Guide*, Prentice Hall, 2000, ISBN: 0-13-021972-X.
2. Turabian, K. *A Manual for Writers of Term Papers, Theses and Dissertations*, The University of Chicago Press, 1996, ISBN: 0-226-81627-3.