

CPCS-498 Syllabus

Catalog Description

CPCS-498 Senior Project (I)

Credit: 1 (Theory: 1, Lab: 0, Practical: 0)

Prerequisite: None

Classification: Department Required

This course is the first part of a sequence of two courses that constitute the BSc graduation capstone project. In this part, the student is expected to propose, analyze, and design a software system or conduct a thorough investigation of a particular CS-related problem for research-based projects. The student will deliver oral presentations and written reports.

Class Schedule

Meet 50 minutes 3 times/week or 80 minutes 2 times/week

Meet 60 minutes 1 times/week

Textbook

Christian W. Dawson, , "Projects in Computing and Information Systems", Addison-Wesley Professional; 2 edition (2009)

ISBN-13 9780273721314

ISBN-10 0273721313

Grade Distribution

Week	Assessment	Grade %
14	Supervisor	30
14	Committee	40
14	Coordinator	30

Topics Coverage Durations

Topics	Weeks
To enable student to demonstrate their theoretical knowledge and professional skills	0
It enables instructors to evaluate the outcomes and capabilities of the program	0
It enables to evaluate the outcomes of the course of "Communication Skills"	0
Producing a proposal, writing a final report (writing skills) and making a presentation (presentation skills)	0

Last Articulated

Relationship to Student Outcomes

a	b	c	d	e	f	g	h	i	j	k
			x			x	x			

Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. The student will be able to identify a CS-related problem.
2. The student will be able to analyze the problem and develop an initial solution.
3. The student will demonstrate his ability to work independently and as part of a team with colleagues and advisors utilizing good work dynamics.
4. The student will be able to plan effectively for the various project lifecycle activities.
5. The student will have experience conducting an effective literature survey and be able to contrast and critique related work.
6. The student will generate and articulate functional requirements and a preliminary design of the system/project.
7. The student will demonstrate a level of effectiveness expected by employers when he produces written documents, delivers oral presentations, and develops, prepares and interprets visual information.
8. The student will produce an academic proposal.

Coordinator(s)

Dr. Lamiaa Elrefaei, Associate Professor

Mr. Muhammad S. Qureshi, Lecturer