

APC 490: Capstone Project Preparation – Course Syllabus

IMPORTANT: This course syllabus document contains basic information about the course. A final syllabus with detailed guidelines, instructor information, project information, rubrics, course/university policies, and other course-related information will be provided to students upon course enrollment

Course Description and Objectives

The purpose of this course is for students to choose a capstone project, create an initial plan with specific deliverables identified, and receive approval. This course covers review of key concepts necessary for success in the Capstone (APC 495) course, including software engineering practices, project management techniques, systems analysis, and communicating with technical or non-technical audiences (CTO, IT staff, etc.). May include additional topics specific to anticipated capstone projects.

By the end of this course, students should be able to:

- Develop a successful project plan that includes the appropriate systems analysis and design to ensure a viable project.
- Have an understanding of an appropriate set of engineering practices and project management techniques to begin their capstone project.
- Establish a development environment geared specifically toward successful completion of their capstone project.

Prerequisites

- **Concurrent Course: APC 460** (Students may take this course after completing APC 460 or they can take the two courses at the same time.)
- APC 380 – Project Management Techniques

Grading

Evaluation Methods

Item(s)	Points
Sprint Planning	10
Draft Project Proposal	20
Final Project Proposal	50
Status Reports	20
Total Points	100

Grading Scale

The following grading scale is used to evaluate all course requirements and determine your final grade:

90–100%	A
80–89%	B

70–79%	C
60–69%	D
0–59%	F

Workload

Students should expect to spend 144 credit hours per semester to complete the activities and assignments in this course. In a fall or spring semester, the time to dedicate per credit will range between 7-10 hours per week and in summer semester between 10-13 hours.