

## APC 440: Web Development – 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

This course teaches students how to create advanced and interactive websites using technologies like HTML, CSS, JavaScript, Bootstrap, XML, web services, and database integration within the ASP.Net platform. The class also introduces principles of good user interaction design to the creation of effective web pages.

By the end of this course, you will be able to:

- Identify and explain the major components of web-based information systems, including client side and server side development.
- Explain the need for and application of web-based information systems.
- Explain the problems associated with web-based information system development and implementation
- Implement rich web-based information systems in ASP.Net that are able to access data from databases and web services
- Identify and explain the major components of web services.
- Use secure programming techniques when creating web systems.

### Prerequisites

- APC 360: Database Management I

### Grading

#### Evaluation Methods

Your final grade will be based on your performance on the following:

<b>Item(s)</b>	<b>Number of Items</b>	<b>Total Points</b>
Group Project	10 @ 24 points each	240
Quizzes	8 @ 20 points each	160
Individual Assignments	6 @ 20 points each	120
Labs	20 @ 5 points each	100
Midterm Exam	1	150
Final Individual Project	1	180
Participation		50
Total Points		1000

### 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.