

# Syllabus for APC 440 Web Development

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**NOTE:** This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

## Course Description

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

## Prerequisite(s)

APC 360: Database Management I

## Course Outcomes

Upon completing this course, you will be able to do the following:

- 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 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.

## Course Requirements/Components

- Quizzes
- Labs
- Discussions
- Exams
- Group Project
- Individual Project

## Grading

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

Grade	Percentage Range
A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Evaluation Methods	Percentage of final grade
Quizzes	5%
Labs	30%
Discussions	10%
Exams	15%
Group Project	20%
Individual Project	20%
Total	100%