Syllabus for APC 440 Web Development

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, 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.

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 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.

Course Requirements/Components

- Group Project
- Quizzes
- Individual Assignments
- Labs
- Midterm Exam
- Final Individual Project
- Participation

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	Points Each	Percentage of final grade
Group Project (10 parts)	24	240
Quizzes (8)	20	160
Individual Assignments (6)	20	120
Labs (20)	5	100
Midterm Exam (1)	150	150
Final Individual Project (1)	180	180
Participation	50	50
Total Points		1000