

ECT 310 Syllabus (Fall 2016)

Internet Application Development

Time	Tuesdays 5:45 pm to 9:00 pm <i>*See schedule for exceptions</i>
Location	Lewis 1516
Instructor	Anthony Zoko
Office	CDM 612
Phone	(312) 362-8819
Fax	(312) 362-6116 (Not recommended)
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Office Hours: See CDM website for times and exceptions:
<http://www.cdm.depaul.edu/People/Pages/facultyinfo.aspx?fid=971>

Course Description:

Development of Internet-based applications using client and server-side scripting. Students will design and build an Internet application that accesses a database. PREREQUISITE(S): CSC 211 or IT 231 or CSC 241 (See CDM website for official description:
<http://www.cdm.depaul.edu/academics/pages/courseinfo.aspx?Subject=ECT&CatalogNbr=310>)

Desirable background for the course:

1. Previous experience developing Web pages (HTML, some JavaScript preferred).
2. Experience writing programs. The specific programming language is not important but some programming experience is. This course is not a good first programming course.
3. Knowledge of Microsoft Access databases (structure, creation, access).

Course Objectives:

By the end of the course, each student will understand and be able to apply the central concepts listed in the learning objectives column of the lecture schedule.

Textbooks

Status	Author	Title	Publisher	Date	Availability
Required	Gaylord et al.	Professional ASP.NET 4.5 in C# and VB	Wrox Press	2013	Books 24x7 and Book Store

Lecture Schedule:

Note: Topic order subject to change

Date	Lecture Topic and Textbook Chapter	Learning Objectives	Assignments (See D2L for Exact Due Dates)
Week 1, September 15th	Syllabus ASP.NET Basics	<ul style="list-style-type: none"> • How the course is structured and graded • Basics about .NET Runtime • ASP.NET 	No assignment due this week. Look over the Final Project Requirements
Week 2, September 22nd	Introduction to C# and Visual Studio	<ul style="list-style-type: none"> • Introduction to C# • Visual Studio Basics 	Assignment #1 Due September 23rd
Week 3, September 29th	Event-driven programming 2-ASP.NET HTML Controls	<ul style="list-style-type: none"> • Event-driven programming • HTML controls 	Assignment #2. Due September 31st Project Teams Assigned
Week 4, October 6th	3-ASP.NET Web Server Controls 4-Validation Server Controls	<ul style="list-style-type: none"> • ASP.NET web server controls • Validation controls 	Assignment #3 : Due October 14th Quiz #2 : Due October 19th
Week 5, October 13th	8-Data Management with ADO.NET – Connected Mode	<ul style="list-style-type: none"> • Introduction to ADO.NET 	Final Project Design Document Due October 20th
Week 6, October 20th	21-State Management	<ul style="list-style-type: none"> • Application state • Session state • Cookies • QueryString Design of a shopping cart	Assignment #4. Due October 27 th
Week 7, October 27th	5-Working with Master Pages 23-Debugging and Error Handling Techniques	<ul style="list-style-type: none"> • Design of a consistent website • Error Handling 	Assignment #5. : Due November 7th
Week 8, November 3rd	OPTIONAL CLASS: Final Project Topic Review and In Class Working session	Basic review of topics important for final project. In class project group working sessions.	
Week 9, November 10th	25 - User Controls 7-Data Binding	<ul style="list-style-type: none"> • Custom UI Controls • Data binding techniques 	Quiz 3: Due November 17th
Week 10 November 17th	Services and Security Topics	<ul style="list-style-type: none"> • Secured Passwords • Credit Card Processing 	

November 24th	No Lecture Final Presentation	<ul style="list-style-type: none"> Apply the concepts of ASP.NET to a real world retail problem 	<i>Final Project Due</i> <i>Team built retail Web site connecting to a database.</i>
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Grading Policy:

Assignments	40%
Team Project	30%
Quizzes	25%
Final Project Design Document	5%

Assignments must be turned in when assigned. I will allow one late assignment with 20% penalty if turned in within 48 hours of due date. No credit for a single assignment will be given if turned in over 48 hours.

Active class participation includes, among other things, on-time attendance, taking part in lecture discussions, asking meaningful questions, participating in the class discussion group, and bringing news articles and Web sites of interest to class.

Grade Standards:

Letter Grade	Minimum Numerical Grades	Letter Grade	Minimum Numerical Grades
A	90.00%	C	70.00%
A-	87.00%	C-	67.00%
B+	83.00%	D+	65.00%
B	80.00%	D	60.00%
B-	77.00%	F	0.00%
C+	75.00%		

Attendance

Every student in the class is required and responsible to attend every class. If a student miss a class without officially acceptable excuses such as a serious illness, the instructor has no responsibility to make up any missing lab sessions and lectures for him or her.

Plagiarism and Cheating

Students are encouraged to work together and to discuss the assignments in general terms. The following activities (but not limited to) will be considered as cheating: copying another person's work on a written assignment or exam; copying another person's program and Web page design; using any reference not authorized by the instructor in a close-book exam. When creating Web material, if you use information from another Website, you should credit that work to those people who are responsible for the work. Include a hyperlink to that Website. Otherwise you can be cited for plagiarism. According to DePaul University's policy, if proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work a report, examination paper, computer file, lab report, or other assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

Official University Academic Integrity Policy:

<http://academicintegrity.depaul.edu/AcademicIntegrityPolicy.pdf>

Incomplete

An incomplete grade is given only for an exceptional reason such as a death in the family, a serious illness, etc. Any such reason must be documented. Any incomplete request must be made at least two weeks before the final, and approved by the Dean of the College of Computing and Digital Media (CDM). Any consequences resulting from a poor grade for the course will not be considered as valid reasons for such a request.

Other Requirements

All students are responsible to check the course online page frequently for various announcements, weekly topics, assignments and the due dates.

Internet Policy

No student may transmit or make available any material on the Internet that contains profanity, vulgarity, or offensive information or images. This includes e-mail as well as documents and images on the World-Wide Web. In addition, all student Web documents may not contain links to other Websites that contain profanity, vulgarity, or offensive information or images.

Students are responsible for clearly clarifying that their Web pages are purely educational and that no one should ever treat them as real commercial Web sites and submit credit card information to them.

Students are responsible for the contents of their Web pages.