

**Northeastern University Online
College of Professional Studies
Course Syllabus**

ITC 2811- Advanced Application Development

Spring 2015, Full-Term Session

Class Days: 04/06/2015 to 06/27/2015

Instructor Name: Fariborz Khalaj

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Course Format: 12 weeks / Online

Recommended Text(s)/Software/Tools:

Murach's ASP.NET 4.5 Web Programming with C# 2012 (Murach: Training & Reference), ISBN-10: 1890774758, Authors: Mary Delamater & Anne Boehm

Course Prerequisites

ITC 2305, ITC 2307, or ETC 1103.

Course Description

This is an advanced application development course that utilizes the C# programming language in conjunction with the ASP.NET Web Development technologies such as Web Forms, Model-Controller-View (MVC), and mobile technologies to enable students to develop web-based applications for the desktop and mobile browsers.

Course Outcomes

Students will be given the opportunity to:

- Successfully code algorithms in C# Language
- Create ASP.NET Web Forms Applications
- Interact with SQL Databases
- Create simple ASP.NET MVC Applications
- Develop Mobile-Friendly Web Applications

Course Methodology

Each week, you will be expected to:

- Review the week's **Learning Objectives**.
- Go over the material in the **Reading** section of the week(if any)
- Study all lessons in the **Lecture Material** section of the week.
- Participate in the **Discussion Board**.
- Complete and submit (by the due date) all assignments, projects, and tests that appear in the **Assignments** section of each week.

- Visit the external links that appear under the **Web Sites** section of the course for extra links that may appear for that week.

Participation/Discussion Board

Participation in the **Discussion Board** questions, postings and other items of interest is an essential part of your learning experience. I would encourage a conversational response by each of you. When fellow students post to the **Discussion Board**, interaction by other students is desirable and if I can be helpful, I will also participate. Of course, when a student posts a question directed to me, only I will respond. Each week, when I post to the question to the **Discussion Board**, I will assign a value to the response which when graded will appear on your grade report.

Communication/Submission of Work

In order to assist each of us in communicating with one another, email addresses will be submitted by each student at enrollment and becomes part of your profile. Students are encouraged to email me regarding any course issue. I will usually respond within 24-48 hours. I also may post an announcement or send an email to students to clarify course activities and/or to privately communicate to a student about **Discussion Board** postings or **Assignment** answers.

Unless you have email approval from me for some specific reason, you must submit all assignments using the **View/Complete Assignment** link that appears beneath the instructions for each weekly assignment in the Assignments section.

Grading/Evaluation Standards

The course numeric grade will be based on the followings:

Assignments	55%
Discussion Forum Attendance	10%
Midterm Exam	15%
Final Exam	20%

Class Schedule / Topical Outline

Week	Week of	Topic	Assignments
1	4/6/2015	<ul style="list-style-type: none">• Getting Started with Visual Studio• First Web Form	Assignment 1
2	4/13/2015	<ul style="list-style-type: none">• Web Form Controls• C# Basics	Assignment 2
3	4/20/2015	<ul style="list-style-type: none">• More Web Forms Controls• C# Continued	Assignment 3
4	4/27/2015	<ul style="list-style-type: none">• C# Methods• Master Pages and menus• More on Web Forms	Assignment 4
5	5/4/2015	<ul style="list-style-type: none">• Session Management and more• C# Classes	Assignment 5
6	5/11/2015	<ul style="list-style-type: none">• Introduction to SQL	Assignment 6 Mid-Term Exam
7	5/18/2015	<ul style="list-style-type: none">• Introduction to ADO.NET• Read and display data from the database	Assignment 7
8	5/25/2015	<ul style="list-style-type: none">• Insert, Update, and Delete Database Data	Assignment 8
9	6/1/2015	<ul style="list-style-type: none">• Introduction to MVC	Assignment 9
10	6/8/2015	<ul style="list-style-type: none">• More on MVC• Mobile-Friendly Web Applications	Assignment 10
11	6/15/2015	<ul style="list-style-type: none">• More on Mobile Friendly Applications	Assignment 11
12	6/22/2015	<ul style="list-style-type: none">• Final Exam Preparation	Final Exam

Academic Honesty and Integrity Statement

The University views academic dishonesty as one of the most serious offenses that a student can commit while in college and imposes appropriate punitive sanctions on violators. Here are some examples of academic dishonesty. While this is not an all-inclusive list, we hope this will help you to understand some of the things instructors look for. The following is excerpted from the University's policy on academic honesty and integrity; the complete policy is available at

<http://www.cps.neu.edu/about-cps/policies-and-procedures>.

Cheating – intentionally using or attempting to use unauthorized materials, information or study aids in an academic exercise. This may include use of unauthorized aids (notes, texts) or copying from another student's exam, paper, computer disk, etc.

- *Fabrication* – intentional and unauthorized falsification, misrepresentation, or invention of any data, or citation in an academic exercise. Examples may include making up data for a research paper, altering the results of a lab experiment or survey, listing a citation for a source not used, or stating an opinion as a scientifically proven fact.
- *Plagiarism* – intentionally representing the words or ideas of another as one's own in any academic exercise without providing proper documentation by source by way of a footnote, endnote or intertextual note.
- *Unauthorized collaboration* – Students, each claiming sole authorship, submit separate reports, which are substantially similar to one another. While several students may have the same source material, the analysis, interpretation and reporting of the data must be each individual's.
- *Participation in academically dishonest activities* – Examples include stealing an exam, using a pre-written paper through mail order or other services, selling, loaning or otherwise distributing materials for the purpose of cheating, plagiarism, or other academically dishonest acts; alternation, theft, forgery, or destruction of the academic work of others.
- *Facilitating academic dishonesty* – Examples may include inaccurately listing someone as co-author of paper who did not contribute, sharing a take home exam, taking an exam or writing a paper for another student.

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