

## GENERAL INFORMATION FOR CS 217

**COURSE DESCRIPTION:** Design, implementation and deployment of applications, Web services, and components in an enterprise environment. Uses the latest tools and languages supported by the .NET framework.

**COURSE OBJECTIVES:** Upon successful completion of this course, the student should be able to:

1. Convert an existing VB or C++ program to a web service.
2. Design and implement an ASP.NET based program utilizing relational databases and SQL.
3. Use existing web controls and create new Web controls to implement a web based application.
4. Integrate a data source with a web control or Web service.
5. Work cooperatively in small groups to design, program, and deploy applications, Web services, and components.

**PREREQUISITE:** CS 115 with a minimum grade of 2.5.

**OFFICE HOURS/CONTACT:**

Office: ALD 238; phone: (425) 640-1308; e-mail: [louis.ho@email.edcc.edu](mailto:louis.ho@email.edcc.edu) .

Office Hours: 1:00 - 4:00 pm Monday & Wednesday.

**MEETINGS:** This is a hybrid course. This class meets on Wednesday from 4:00 PM-7:30 PM. in SNH 110. The starting and ending dates are 1 July 2015 – 19 August 2015. After registering for this course, connect with the course at <https://edcc.instructure.com/> in order to obtain all the documents and information about the course.

**REQUIRED TEXTBOOK:**

The textbook is available online in Edmonds Community College, Books24x7:

Beginning ASP.NET 4.5 in VB Matthew MacDonald, Apress

[http://library.books24x7.com.librarydb.edcc.edu:2048/toc.aspx?bookid=46647](http://library.books24x7.com/librarydb.edcc.edu:2048/toc.aspx?bookid=46647)

**Note:** To access the Books24x7 book below, you have to login first in

<http://librarydb.edcc.edu:2048/login?url=http://library.books24x7.com/library.asp?%5B>

**SUPPLEMENTARY TEXTBOOK:**

Pro ASP.NET 4.5 in VB, Fifth Edition Dan Mabbutt, Apress

<http://library.books24x7.com.librarydb.edcc.edu:2048/toc.aspx?bookid=46640>

Beginning ASP.NET 4.5: In C# and VB by Imar Spaanjaars, Wrox Press

<http://library.books24x7.com.librarydb.edcc.edu:2048/toc.aspx?bookid=51077>

**GRADING RULES:**

The general distribution of grades are:

1. Final Exam. 20%
2. Quizzes 20%
3. Labs, Homework and Projects. 50%
4. Discussion Participation. 10%
3. Grades - see to the right.
4. No incompletes will be given unless there are EXTRAORDINARY circumstances.
5. There are no make-up on the final, unless you provide prior notification and verifiable, written evidence for serious medical emergency.
6. The assignments must be submitted at due dates. There are penalties for late assignments.
7. As instructor, I reserve the right to change any of the above rules at any time.

Lower Bound %	Grade Point	Lower Bound %	Grade Point	Lower Bound %	Grade Point	Lower Bound %	Grade Point
95.0	4.0	86.0	3.1	77.0	2.2	68.0	1.3
94.0	3.9	85.0	3.0	76.0	2.1	67.0	1.2
93.0	3.8	84.0	2.9	75.0	2.0	66.0	1.1
92.0	3.7	83.0	2.8	74.0	1.9	65.0	1.0
91.0	3.6	82.0	2.7	73.0	1.8	64.0	0.9
90.0	3.5	81.0	2.6	72.0	1.7	63.0	0.8
89.0	3.4	80.0	2.5	71.0	1.6	62.0	0.7
88.0	3.3	79.0	2.4	70.0	1.5	60.0	0.6
87.0	3.2	78.0	2.3	69.0	1.4		

**REQUIRED MATERIALS:** For this course you will need the following products and competencies:

- A relatively fast PC with vast memory and a large hard drive (I recommend an Intel® Core™2 Duo processor, 2.2GHz or faster with at least 8 GB RAM memory, and at least 200G hard drive).
- Microsoft Windows 7, Windows 8, or Microsoft Windows 2012 Server.
- A Web browser - Internet Explorer, Mozilla Firefox or Google Chrome.
- An email account and the knowledge of how to send and receive email with attachments.
- The ability to **connect uninterruptedly** to the Internet, to navigate the Web (use a browser), and handle multiple open windows.
- The ability to zip, unzip, open, close, and save files (try 7-Zip, <http://www.7-zip.org/>).
- Familiarity with the CANVAS system (see <http://www.edcc.edu/elearning/>).
- MS Office and [Adobe Reader](http://www.adobe.com/products/acrobat/readstep2.html)—<http://www.adobe.com/products/acrobat/readstep2.html>.
- Visual Studio 2013— You can download it from Microsoft Dreamspark website, see <http://www.edcc.edu/programs/stem/cs/free-software.html>.

**RECOMMENDATIONS:**

1. Check for announcements and assignments on daily basis. Attendance is part of this course—attend class and practice daily visits to your Canvas—<https://edcc.instructure.com/> site. Allocate at least two hours per day for work on assignments—at times you might need more. It is not a good idea to do all of your studying on weekends only—it just does not work!
2. Keep a record (on your hard drive or USB Flash Disk) of your labs, projects, notes and homework assignments—their completion is imperative for success in this class.
3. Read the text, the lessons, and any other valuable sources. It is very important that you understand the structure and organization of the course as well as where to obtain all the materials immediately. Please read very carefully the early, and all other, announcements.
4. Read the textbook—they are instrumental in doing well on the exams.
5. Do the labs and the projects. .
6. Memorize important identities, definitions, and results. More importantly, learn ASP.NET by writing, writing, and writing as many programs as you can. You learn programming by doing it!
7. Copy the examples from the CD that accompanies the text and create a work folder on your hard drive.

8. There is no make up for the in-class final exam.
9. Let me repeat myself and be redundant: it is imperative that you participate in the discussion in class and during group or team project presentation.
10. Ask questions and seek help when puzzled and offer timely help to others in need. This help should not include sharing of code, however, except in group and team project. You are expected to take the quizzes and final exam on your own without any help.
11. Download and install Visual Studio 2013 on your home computer immediately.

### **MISCELLANIOUS RULES:**

1. Participation and attendance is required—10% of your grade is attributed to this participation and attendance.
2. It is your responsibility to withdraw before the appropriate deadlines, should you need to withdraw. Pay attention to important dates from the Academic Calendar—  
<http://www.edcc.edu/calendar/academic.html>.
3. Cheating, impersonation, and plagiarism are academically intolerable and a violation of standards of student conduct. For this class all the assignments except the group or team projects need be individual efforts. Algorithmic help is encouraged but sharing of code is not. The academic honesty of ECC will be strictly enforced.
4. If you have medical problems which might interfere with your class, you need to disclose it and the action you need to take if the problem occurs during class, the name and telephone number of your physician and/or names and numbers of people who can be called to take you home or to a place designated for your care.
5. If you require an accommodation for a disability, please contact Services for Students with Disabilities, WDY 114, (425) 640-1320, [ssdmail@edcc.edu](mailto:ssdmail@edcc.edu).
6. Successful completion of student responsibilities in this class requires access to Canvas via an Internet browser. You are expected to login to the Canvas classroom at least 4 times per week. Instructions for access to Canvas may be located online at the following address:  
<http://www.edcc.edu/elearning/>

### **STUDENT RESOURCES:**

1. Learning Support Center. Meadowdale Hall 260. (425) 640-1750
2. Multicultural Services Center. Mountlake Terrace Hall 122. (425) 640-1538
3. Counseling Center. Mountlake Terrace Hall 123. (425) 640-1358
4. Bookstore. Mountlake Terrace Hall, 1<sup>st</sup> floor. (425) 640-1672.
5. Campus Safety. Mountlake Terrace Hall 102. (425) 640-1501.
6. Services for Students with Disabilities. Woodway Hall 114. (425) 640-1320.
7. Student Career and Employment Services. North Campus Complex. (425) 640-1445.
8. Women's Program. Triton Union 132. (425) 640-1309.
9. Student Services on-line at [www.edcc.edu/stulife](http://www.edcc.edu/stulife).
10. Career Action Center at <http://careeractioncenter.edcc.edu>.