Web Development with .Net
IS 3050
Summer 2018

INSTRUCTOR: Robert S. Rokey

OFFICE: 523 Lindner

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OFFICE HOURS: Monday and Wednesday 5:30pm to 6:00pm, and by appointment

RECOMMENDED TEXT:


COURSE DESCRIPTION:

This course is an introduction to programming and the development of the web-based applications, using Microsoft's Visual Studio and covering ASP.Net (C#.Net). Students will be expected to develop a simple web application that incorporates these technologies.

Learning Outcomes:

Upon successful completion of this course, students will be able to:
- Use HTML, CSS, Microsoft's Visual Studio, ASP.Net and the C# language to develop web-based applications.
- Build the functional and data-driven web sites.
- Do programming for both traditional (structured programming) and event-driven applications (object-oriented programming).
The class will be a combination of lectures and lab sessions. Your participation is not only requested but is necessary to provide effective class sessions. There is no such thing as a silly question, I encourage all questions!

**GRADING POLICY:**

Students will be evaluated on the following basis:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Participation</td>
<td>10%</td>
</tr>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Project(s)</td>
<td>30%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>20%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>30%</td>
</tr>
</tbody>
</table>

The grading scale is as follows:

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>94%-100%</td>
<td>A</td>
</tr>
<tr>
<td>90%-93.9%</td>
<td>A-</td>
</tr>
<tr>
<td>86%-89.9%</td>
<td>B+</td>
</tr>
<tr>
<td>83%-85.9%</td>
<td>B</td>
</tr>
<tr>
<td>80%-82.9%</td>
<td>B-</td>
</tr>
<tr>
<td>76%-79.9%</td>
<td>C+</td>
</tr>
<tr>
<td>73%-75.9%</td>
<td>C</td>
</tr>
<tr>
<td>70%-72.9%</td>
<td>C-</td>
</tr>
<tr>
<td>66%-69.9%</td>
<td>D+</td>
</tr>
<tr>
<td>63%-65.9%</td>
<td>D</td>
</tr>
<tr>
<td>60%-62.9%</td>
<td>D-</td>
</tr>
<tr>
<td>under 60%</td>
<td>F</td>
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</tbody>
</table>
Grade Revisions:

If you think an error has been made in computing your homework or exam grade, you should appeal the grade within one week after the work has been returned to you. Each week you should check the grade sheets posted on the Blackboard to see that your grades have been recorded correctly.

Missed Exam: Should you not take an exam, no makeup exam will be given; a grade of zero will be recorded unless there is an academically valid reason for missing the exam.

Incomplete Grade Policy: An "I" grade will be awarded only for truly exceptional circumstances which occur after the University deadline for dropping the course has passed.

Attendance Policy:

You are expected to attend class. If you miss a class, you still will be responsible for all the announcements made and all the material covered in that class.

Students may miss up to two classes without written justification without any repercussion to their grades. Students who miss a third class without written justification will have their grades reduced a full letter (for example, from “B+” to “C+”). Students who miss more than three classes will automatically receive an “F” as their final grade. Graded assignments will be returned in class; however, I will bring them to class just once. After that time, you may pick up graded assignments from 334 Lindner during office hours.

Classroom Etiquette:

Please turn off all cell phones, pagers and other noise generating devices. If you use a laptop/PDA/tablet PC, do not use it for any other purpose in class other than to take notes.

Assignments:

Will be due at the beginning class on the day due. Assignments turned in up to 24 hours late lose 20% of the total points. Assignments turned in 24 to 48 hours late lose 40% of the total points. Assignments will not be accepted after they are 48 hours late. All days, Saturdays, Sundays, holidays count as part of late hours! There will be additional assignments for the graduate students in the class.
PLAGIARISM/CHEATING POLICY:

You must do your own work in this course. Academic dishonesty, in any form, is a serious offense. The University Rules, including the Student Code of Conduct, and other documented policies of the department, college, and university related to academic integrity will be enforced. A single instance of cheating or plagiarism is all it takes for immediate dismissal of the concerned parties from the course with an “F” grade, and will be reported to the undergraduate office and IS department immediately. The case will be dealt with on an individual basis according to the severity of the misconduct.

We will follow all additional rule of the university found at:

http://www.uc.edu/conduct/Code_of_Conduct.html

UNAUTHORIZED USE OR ABUSE OF COMPUTER ACCOUNTS:

Use of computer: You may use any computer facilities to which you have valid access. Microcomputer labs are located in 209 Lindner and 211 Lindner.

Abuse of Privileges: You and only you are authorized to use the account assigned to you. You may not use, copy, or tamper with the programs or data files of others on the network. Unauthorized use or abuse of computer accounts, programs, or data files will be dealt with severely; both criminal and administrative penalties may be applied. Administrative penalties may include failing the course expulsion from school, and/or losing the privilege of using the College or University computing facilities.

Homework Assignments:

Most weeks a small homework assignment based on class exercises will be required. Additional details about the homework assignments will be made available on Blackboard.

Exams:

Two exams will take place during the course, with both exams evaluating student’s proficiency with web application development. In these exams students will have to create programs to perform tasks specified in the exam description. Exam 1 is worth 20% of the student final grade, while exam 2 is worth 30%.

Exams will be graded in two stages. In the first stage exams will be graded based on the functionality of the code: in other words, if the code proposed to solve a specific question actually works.
In the second stage of the grading process students will have a chance to make corrections for those programs that were not operational at the time the exam was concluded. Along with their corrections the students must submit a document that explains why they did not function and how their correction solves the problem. Students will receive up to half the original value of that question. The exam correction phase has the following rules:

1. Exam reviews that are not done within one week of the exam delivery (the time when the student receives the graded exam back from the instructor) will NOT be considered.

2. The original incorrect answers cannot be modified. Students should create copies of the incorrect answers and implement the corrections on those copies. Students who have modified the original incorrect answer will NOT have their corrections considered.

3. Students will never receive the full credit for an originally incorrect answer; only half credit (at most) will be awarded.

4. Students are allowed to consult external sources in the exam correction process.

5. The instructor will replace the original exam lines with the corrected lines. No second chances are allowed: if after the replacement the program still does not work properly the student will not have a chance to redo the correction.

Only a formal justification accompanied by the required documentation will allow a student to change the date for her/his exam. Further details about the exams will be posted on Blackboard and discussed in class.
**Project:**

The course projects will have three main deliverables. In the first deliverable, students are expected to create a database for the web system. This deliverable is worth 10% of the project grade. In the second deliverable, students are expected to create the shell of the system, with all forms operational. This deliverable is worth 30% of the project grade. In the third and final deliverable, students are expected to correct any issues from the second deliverable and complete the project. This deliverable is worth 60% of the project grade. Additional information about the project deliverables will be posted on Blackboard.
<table>
<thead>
<tr>
<th>Week</th>
<th>TOPIC</th>
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| 1    | Intro to 3050  
Problem solving  
programming in C#.Net |
| 2    | programming in C#.Net  
Classes, Programming, Structures  
Web Design html, css |
| 3    | Visual Studio and Web Development Approach  
Web Design html, css  
**EXAM 1** |
| 4    | **Memorial Day**  
Site Architecture, Master Pages and Navigation |
| 5    | Creating a Database Model and Schema  
Basic Data Controls/Basic Form Design Principles |
| 6    | Form Controls and Validation  
Authentication and Authorization |
| 7    | **Exam 2** |