| **CS 4790** | **ASP.NET Web Development with MVC4 and C#**
| Fall Semester 2014 (Preliminary) |
| **Instructor** | Rob Hilton | **Office Hours:** | Tu - Th 8:30am - 9:30am |
| | Office: TE110G | Thu 11:30am - 12:30pm |
| | Email: cs.rbhilton@gmail.com | Thu 1:30pm - 2:30pm |
| | Web: [http://rbhilton.com/wsucs](http://rbhilton.com/wsucs) | |
| **Classroom** | TE109C |
| **Days** | T, Th |
| **Time** | 9:30am – 11:30pm |
| **Texts** | No required text |
| | Various assigned Internet readings and videos |
| | **Recommended:** |
| | **Optional** |
| **Goal** | This course is designed to teach sound concepts in ASP.NET Web Application Development using MVC and/or N-Tier methodologies. Students will develop large-scale web applications in a team environment using Agile, RAD and Test-Driven Development techniques. Representative skills mastered in this course will include: ASP.NET and the .NET Framework, C#, MVC, ADO.NET and Entity Frameworks, RAZOR, HTML5, Javascript, jQuery, Agile, Scrum and Design Patterns. |
| | Prerequisite: CS 3280, CS 3750. |
| **Class** | Class will consist of some lecture and discussion on topics related to the study guide. Questions and comments during class time are encouraged. |
| | The majority of class time during the semester will be devoted to learning and practicing programming techniques. |
| | It is expected that students will have studied the assigned reading and videos prior to the related class period. |
| | **It is also expected that students will spend at least 5 hours in outside programming and/or study for every hour spent in class.** |
| **Quizzes & Presentation** | Occasional quizzes may be given to determine whether students are learning the material. If quizzes are given they will generally be used as a part of grade determination. |
| | Oral presentations may also be given during class. These will be on topics assigned by the instructor. If given, these will contribute approximately 10% of the final grade. |
| **Exams** | One midterm will be given. It will constitute approximately 20% of the final grade. This exam will be given during class time. |
| **Projects** | There will be weekly programming assignments given during the first half of the semester. In the second half, large-scale team projects will be assigned. These projects combined will contribute to approximately 60% of the final grade. |
| **Attendance** | **Attendance in class during the project section of the course is mandatory** and will contribute toward approximately 20% of the final grade. Students will be expected to clock in each day via the attendance web page. |
**Accommodations for disabilities**

Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Service Center. SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary.

**Grading**

The final grade will be given based on points accumulated through projects, attendance, exams, quizzes and presentations. Standard percentage grading will apply: 90+ A; 80-89 B; 70-79 C; 60-69 D; 59 and below E

**Policies**

Exams and quizzes can only be taken on the day given unless arrangements are made to take them ahead of time. Exams and quizzes may not be taken after the scheduled date.

Projects and Presentations may be turned in late, but will receive lesser credit (1st late 75%, 2nd late 50%, 0% thereafter).

**Cheating**

Cheating on programs, assignments or exams will not be tolerated. A separate statement on cheating policies for this course will be handed out to students.

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**Class Schedule & Study Guide** (subject to change)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Chapters</th>
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</table>
| 1    | Course Introduction  
Web Technologies Review  
The MVC Concept | Syllabus  
Online Resources |
| 2    | Visual Studio / MVC4  
C# Introduction | Online Resources |
| 3    | Controllers | Online Resources |
| 4    | Views | Online Resources |
| 5    | Models | Online Resources |
| 6    | Data Validation  
Database / Entity Framework | Online Resources |
| 7    | Ajax and jQuery | Online Resources |
| 8    | Routing  
**Midterm Exam** | Online Resources |
| 9    | Team Project(s) | Online Resources |
| 10   | Team Project(s) | Online Resources |
| 11   | Team Project(s) | Online Resources |
| 12   | Team Project(s) | Online Resources |
| 13   | Team Project(s) | Online Resources |
| 14   | Team Project(s)  
Project Review | Online Resources |