Web Server Programming CSCI 411 Syllabus Spring 2017

CSCI 411 Section 1
Instructor: Michael Cassens
Office: SS 411
Office Hours: MW 12:00-12:50 pm, F 11:00-11:50am or by appt
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Overview:

This class is designed to give you a good general understanding of how to program server-side code. Having knowledge of HTML, JavaScript, CSS, and other client side programming is a plus, but not a requirement. We will focus primarily on the server side and not the client side. This class is a programming class however it is assumed that you have a good understanding of programming concepts. This class focuses on C# using the .NET Framework 4.5, MVC, PHP and other Frameworks. I will try and make the concepts covered in this class generic in nature to help translate to any language/platform of your choice.

Attendance:

This course meets three times a week – MWF 10:00 – 11:10am. You are required to attend all class sessions. If you must miss, it is your responsibility to get the assignments from classmates or from me. If you miss an exam, you will not be able to make it up. Occasionally, I need to travel out of town and on those days, we will have a guest lecture or we will have class via Moodle. Class time concentrates not only on lectures, but on in-class lab time. This time will greatly benefit your overall knowledge and understanding and help you complete the assignments.

Grading:

Homework and Labs 50%
2 Exams 30%
Final Exam 20%

All Assignments will be submitted through Moodle assignments. If you have trouble with your submission, please send them to

michael.cassens@mso.umt.edu

Your subject must be CSCI 411 Assignment # (e.g CSCI 411 Assignment 1)

Please zip all your files and label your file:
"CSCI411LastNameAssignment1.zip"

Grading Scale

100-90 A, A-	79-70 C+, C, C-	59-and beyond F
89-80 B+, B, B-	69-60 D+, D, D-	

P/NP – pass/no pass, 70 or greater is passing determined by Computer Science Department policy, which is a C or better.

Late Assignments:
- Late assignments will not be accepted. Sorry for the inconvenience.

Requirements
- Optional Texts**:**
- **Pro ASP.NET 4.5 in C#, Fifth Edition** by Adam Freeman, Matthew MacDonald
- HTML and CSS: Visual QuickStart Guide (8th Edition) by Elizabeth Castro, Bruce Hyslop
- PHP and MySQL Development – Luke Welling, Laura Thomson
- Laravel: Up and Running: A Framework for Building Modern PHP Apps – Matt Stauffer

- You must have taken at least an introductory programming course CSCI 136.

Suggestions:
- It will be beneficial to read the text and ask as many questions as you can.
- Feel free to set up an appointment if you need help. I am here to help you understand and do well.

Collaboration:
- I encourage you all to work together through problems, but copying and plagiarism will not be tolerated. If you are caught cheating, I will give you an F for the course.
    - Please refer to the Student Conduct Code in how this will be dealt with: http://life.umt.edu/vpsa/student_conduct.php

Incompletes:

"Incomplete for the course is not an option to be exercised at the discretion of students. In all cases it is given at the discretion of the instructor…." Some guidelines for receiving an incomplete are listed in the catalog which include having **a passing grade up to three weeks before the end of the semester** and being in attendance. "**Negligence and indifference are not acceptable reasons**." Also note that there may be financial aid implications.

Late Drops:

The University's policy on drops after **45** days of instruction is very specific. Please refer to the Registrar's office for more details. The Computer Science Department follows this policy rigorously. There are five circumstances under which a late drop might be approved: registration errors, accident or illness, family emergency, change in work schedule, no assessment of performance in class after this deadline. Except in very unusual circumstances, I will only

approve late drops if there is documented justification for one of these circumstances.

Disabilities:

This course is accessible to and usable by otherwise qualified students with disabilities. To request reasonable program modifications, please consult with the instructor. Disability Services for Students will assist the instructor and student in the modification process. For more information, visit the Disability Services website at http://www.umt.edu/disability.

Class Etiquette:
- Be respectful of your fellow classmates.
- Call me anytime if you have a question.
- Profanity and Obscenity will not be tolerated in class or assignments.

Special Dates:

- Jan 23, 2017 Classes Begin
- Feb 20, 2017 President's Day – No Class
- March 20th-24th – Spring Break
- May 8th-12th, 2017 Finals
- **Final: May 8th, 2017 10-12 pm**

Tentative Schedule:

Week 1 Syllabus, ASP.NET Overview
Week 2 ASP.NET, Web Forms, State Management
Week 3 SQL Server, Data Access, Database Concepts, Security and Caching, AJAX
Week 4 ASP.NET MVC
Week 5 ASP.NET MVC Continued
Week 6 Exam 1 – March 1st, 2017 and Review on Feb 27th
Week 7 PHP Overview and MySQL
Week 8 PHP Continued
Week 9 Spring Break
Week 10 PHP Continued
Week 11 Laravel Introduction
Week 12 Laravel Continued
Week 13 Lavavel Continued
Week 14 Exam 2 April 26th, Review on April 24th
Week 15 Presentations
Week 16 Final Tuesday May 8th, 2017 11:55 pm

Project Assignment:

Week 2 – Milestone 1 (Project Idea) Due Jan 30, 2017
Week 3 – Milestone 2 (Specifications) Due Feb 6, 2017
Week 4 – Milestone 3 (Design) Due Feb 13, 2017

Week 5 – Milestone 4 (Progress Report) Due Feb 20, 2017
Week 6 – Milestone 5 (Progress Report) Due Feb 27, 2017
Week 7 – Milestone 6 (Progress Report) Due March 6, 2017
Week 8 – Milestone 7 (Progress Report) Due March 13, 2017
Week 9 – Milestone 8 (Progress Report) Due March 20, 2017
Week 10 – Milestone 9 (Progress Report) Due March 27, 2017
Week 11 – Milestone 10 (Progress Report) Due April 3, 2017
Week 12 - Milestone 5 (Progress Report on Implementation) Due April 10, 2017
Week 13 – Milestone 12 (Progress Report) Due April 17, 2017
Week 14 – Milestone 13 (Progress Report) Due April 24, 2017
Week 15 - Presentations
Week 16 –Final Projects Turned in May 8th, 2017