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CSCI 291.01: Special Topics - Web Application Development

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CSCI 291

Web Application Development

Fall 2021 Syllabus

This class is designed to give students introductory exposure to client-server Web development. Students will be exposed to modern web development principles, practices and systems.

Administrative

Instructor: Trish Duce | ducepa@mso.umt.edu | Social Science 412 | 406-370-9432

Class:

01	76035	MWF	2:00pm-2:50pm
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Office hours: M 12:00-12:50pm , W 1:00-1:50pm or by appointment

Required Textbook: Django for Beginners 3.1, William S. Vincent



Corequisite: CSCI 152

Learning Outcomes

Upon successful completion of this class, students will:

1. use version control to create and manage team projects.
2. be familiar with software engineering topics.
3. understand several software development processes (Agile, Waterfall).
4. be introduced to contemporary tools and frameworks.
5. understand client-server architectures (3-Tier).
6. understand design patterns (MVC).
7. design and build a software project using a popular framework.

Grading

Web Development Glossary: (15%)

The Web Development Glossary will be a PowerPoint Presentation. You will add entries to the glossary throughout the semester. We will discuss the entries in class – you will be able to edit your entries at any time. Everyone will start with 100%. I will randomly call on students throughout the semester. If you are not in attendance or not prepared to answer/discuss the topic – 5 points will be subtracted from your grade. You will submit your presentation on Moodle at the end of the semester. This will be your study guide for the exam.

Project: (40%)

You will build your own application using the framework Django.

Quizzes and Small Assignments: (25%)

Final Exam: (20%)

Grading Scale

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

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

Late Work Policy

Late work will **NOT** be accepted.

Academic Dishonesty

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://www.umt.edu/student-affairs/community-standards/default.php>

Additional class policies and information:

- If you miss a class, you and you alone are responsible for the material covered. This includes handouts, schedule changes, and lecture notes.
- For important dates and deadlines related to classes, visit: <http://catalog.umt.edu/academics/policies-procedures>
- Also in the University catalog, review the policy on **incompletes**. In particular, note that incompletes can only be assigned when the student has “been in attendance and doing passing work up to three weeks before the end of the semester.” Incompletes will not be issued simply to prevent a failing grade.
- Students with disabilities will receive reasonable modifications in this course. Your responsibilities are to request them from me with sufficient advance notice, and to be prepared to provide verification of disability and its impact from Disability Services for Students. Please speak with me after class or during my office hours to discuss the details. For more information, visit the Disability Services for Students website at <http://www.umt.edu/disability>.