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:

| R01 | 74734 | MWF | 11:00am-11:10am | Zoom: [https://umontana.zoom.us/j/92261152107](https://umontana.zoom.us/j/92261152107) |

Office hours: By appt or Monday, 1pm-1:50pm on Zoom: [https://umontana.zoom.us/j/92969246502](https://umontana.zoom.us/j/92969246502)

Required Textbook: I will discuss in class.

The Bookstore **strongly recommends** students place textbook orders online at [montanabookstore.com](http://montanabookstore.com). Students can choose “in-store pickup” or have the books shipped to them. Orders over $49 ship free.

Corequisite: CSCI 152

Website: Moodle [http://umonline.umt.edu](http://umonline.umt.edu)

Where to find the latest information on UM’s response to coronavirus

The [UM Coronavirus website](http://umcoronavirus.umt.edu) and UM’s email newsletter, [UMToday](http://umtoday.umt.edu), should be your main sources for updates and information related to UM’s response to coronavirus throughout the fall semester.

UM’s Health Advisory Group Academic Safety sub-committee shared this guidance for instructors.

- If the class is being recorded, instructors must notify students of the recording.
• Mask use is required within the classroom. View UM’s face covering policy.
• Each student is provided with a Healthy Griz kit. We expect students to clean their personal work space when they arrive for class, and before they leave the classroom.
• Refill stations for cleaning supplies/hand sanitizer will be set up around campus - please learn where they are and use them.
• Classrooms may have one-way entrances / exits to minimize crowding.
• Students are discouraged from congregating outside the classroom before and after class. In the case of 3 hour-long classes, instructors should stagger breaks for small groups of students.
• Instructors should assign seating to ensure social distancing and take attendance to support contact tracing efforts.
• Instructors should not allow more students in their classrooms at any time, for any reason, than the maximum approved capacity.
• Additional seating should not be added to classrooms.
• Drinking liquids and eating food (which requires mask removal) is strongly discouraged within the classroom.
• There is high demand for spaces on campus to accommodate students with inadequate WiFi in their homes or quick turnarounds between face-to-face and remote classes. A list of remote learning spaces with the days and times available for student use will be posted on the Keep on Learning website. There will be signs posted outside of these buildings and rooms to indicate their availability.
• Stay home and contact the Curry Health Center at (406) 243-4330 if you feel sick and/or if exhibiting COVID-19 symptoms.
• If you are diagnosed with COVID-19, follow instructions for quarantine and contact your advisor so they can help you stay on track academically.
• Students, please remain vigilant outside the classroom and help mitigate the spread of COVID-19.

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.

**Recording of Class**

The class will be recorded with Zoom.

**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](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.