

# CSCI 202: Dynamic Web Pages

## Syllabus, Spring, 2017

**Instructor:** Geoffrey Matthews

*Email:* geoffrey dot matthews at wwu dot edu

*Office hours:* MTWF 10:00-10:50, CF 469

**Lectures:** MWF 9:00-9:50, CF 227

**Catalog copy:** Principles and technologies required to produce and distribute Internet (World Wide Web) content, with a focus on site architecture and client-side dynamic pages; an introduction to server-side processing.

**Goals:** On completion of this course, students will demonstrate basic understanding of:

- design and development of web pages using HTML and CSS
- the programming language Javascript
- the jQuery library
- the Document Object Model (DOM) for working with web pages using Javascript
- forms and regular expressions
- data represented in XML and JSON
- creating webpages on the server with PHP
- interacting dynamically with a server using AJAX

**Websites:**

- For class materials: <https://github.com/geofmatthews/csci202>
- For turning in homework and grading: <https://wwu.instructure.com/>

**Text:**

- *HTML5 and CSS3 All-In-One for Dummies*, Andy Harris.  
<http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118289382.html>
- Readings from the internet as assigned.

**Software:**

- <https://www.google.com/chrome/browser/desktop/index.html>  
For client-side programming: HTML, CSS, Javascript
- <https://www.apachefriends.org/index.html>  
For server-side programming: PHP, Ajax

**Labs:**

CRN	Time	Room	TA
20333	T 10:00-11:50am	CF 024	Tylor Graves
20334	T 2:00-3:50pm	CF 026	Ellyn Ayton

No labs the first and last week of class.

Labs must be turned in on canvas on or before midnight of the due date. Specifications must be followed exactly. No late work will be accepted. It is the student's responsibility to make sure the *correct* file is submitted by midnight of the due date.

**Project:** There will be a final project, which will be a website using most of what you have learned during the quarter.

## Exams:

**Midterm:** Friday, May 5.

**Final exam:** Wednesday, June 7, 10:30am - 12:30pm.

- Note: this class does *not* include Tuesday or Thursday for final exam scheduling purposes, even if your lab meets on one of those days.

The exams are closed book, with the exception that you may consult two pieces of paper during the exam. You may write or print whatever you wish on each side of these pieces of paper.

**Emergencies:** If you have to miss an assignment deadline or an exam because of a medical or other emergency notify me as soon as possible and we will negotiate a substitute. If you know in advance that you have to miss a deadline, let me know at least a week in advance.

**Grading:** Students will be graded on the labs, the final project, the midterm, and the final. There will also be some in-class pop quizzes (which are unscheduled and which we will solve together in class).

Grades will be assigned based on scores as shown. At the discretion of the instructor, scores may be scaled. Awarding  $\pm$  is at the discretion of the instructor.

Labs	Project	Pop quizzes	Midterm	Final
30%	20%	5%	20%	25%

%	90-100	80-89	70-79	60-69	0-60
Grade	A	B	C	D	F

**Academic dishonesty:** Please read Appendix D of WWU's Catalog on Academic Dishonesty. It is available online at <http://catalog.wwu.edu>.

Unless specified otherwise, all work for this course is meant to be done **individually**. The work that you turn in for a grade must be completely your own, or you will be guilty of academic dishonesty and could receive an F for the course.

However, it can be a valuable learning experience to discuss work with your fellow students, and this is encouraged. However, after working with a colleague, **you may not keep any paper or electronic copies of anything you produced together!** You may only keep your memories. In particular, this means that **you may not ask for or give help while sitting in front of a computer where the assignment is open!** Also, **you may not use anything a colleague has emailed to you!** Delete the email and do not save a copy.

To help understand what I mean, remember the **Long Term Memory Rule**. You may discuss, sketch, write things down, use your computers, whatever, but after you are done working with your fellow students all files must be deleted, whiteboards erased, and all papers you created must be destroyed. You should then watch a rerun of *the Simpson's*, play a game of ping-pong, take a walk, or something else for half an hour. After this you can go back to your assignment (alone) and use the knowledge you have now gained.

It is very easy for us to detect copied assignments. Please do not put us in a situation where we have to fail you for plagiarism.

**Schedule:** Topics may change slightly as the course progresses, but I hope to cover the following sections of the textbook. If we finish early we will spend class time discussing the development of your project.

Subject	Textbook	Dates
HTML	Part I	March 29 – April 5
CSS	Parts II & III	April 7 – April 14
Javascript	Part IV	April 17 – April 28
PHP	Part V	May 1 – May 12
AJAX	Part VII	May 15 – May 26