

AME 220
Programming for the Web

Term: Spring 2018

Location: Stauffer B-103

Times: M/W 10:45am-12:00pm

Faculty: Tejaswi Gowda, Ph.D

Email: tejaswi@asu.edu

Office Hours: M/W 12:00pm-1:00pm (in Stauffer B-204) and by appointment.

Final Exam:

Wednesday, May 2	9:50 - 11:40 AM
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Course Description: This course teaches the basics of client-side web technologies - HTML5, JavaScript and CSS. The course will bring students up to speed to the current industry standards in web development.

Student Learning Outcomes:

- **Students will be able to:**
 - **Make websites using HTML5, JavaScript and CSS.**
 - **Create responsive web experiences.**
 - **Make simple webapps.**
 - **Use 3rd party APIs to enhance user experience.**
 - **Create JavaScript widgets of intermediate complexity.**

Required Text:

- **No required textbook**
- **CSS / jQuery / JavaScript / HTML5 and other tutorials are listed below in course readings.**

Software/Hardware:

- **Google Chrome Browser / Inspector**
- **Simple Text Editor (example: TextMate on Mac, Notepad on Windows, VI on Unix)**
- **GitHub account (Free account)**
- **Minimal hardware requirement: Mac, Chromebook, Linux Box or Windows PC**

- **Class Repo:** <https://github.com/tejaswigowda/ame2202018>

Assignment Schedule:

1/22 - 1st Assignment Due
2/7 - 2nd Assignment Due
2/26 - 3rd Assignment Due
3/12 - 4th Assignment Due
3/21 - 5th Assignment Due
4/4 - 6th Assignment Due
4/16 - 7th Assignment Due
5/25 - 8th Assignment Due
5/2 - Final Exam

All assignments are due a 10:45am before class.

Course Readings:

CSS Tutorial

<http://www.w3schools.com/css/>

jQuery for absolute beginners -- Video series (14 parts)

<https://www.youtube.com/watch?v=loAVkjDhGel>

HTML5 Tag reference

<http://www.w3schools.com/tags/>

jQuery API Reference

<http://api.jquery.com/>

RSS Basics

<http://en.wikipedia.org/wiki/RSS>

Bootstrap JS Reference

<http://getbootstrap.com/javascript/>

JS Tutorial

<http://www.w3schools.com/js/>

Client Server Model

http://en.wikipedia.org/wiki/Client%E2%80%93server_model

CSS Animations

http://www.w3schools.com/css/css3_animations.asp

Grading and Evaluation:

All assignments will be turned in on Bitbucket and/or GitHub (8 assignments in total). More details for each assignment will be introduced in class. Assignments 1-7 are worth 12% of your grade and Assignment 8 is worth 16% of your grade.

Final Exam

The final exam will be an opportunity for 10% extra credit. You will be given a one and a half hour task similar to one a prospective employer would give you to test your skill in coding. This brings the total amount of points in the class to 110 points and gives you the possibility of getting ten points extra credit.

Course Grading Scale:

This course uses +/- grading

A+: 97-110%	A: 93-96%	A-: 90-92%
B+: 87-89%	B: 83-86%	B-: 80-82%
C+: 77-79%	C: 70-76%	
D: 60-69%		
E: 0-59%		

Attendance:

Attendance is important for your success in this class. Take advantage of time in class to ask questions and write original code.

Absences will be excused if related to religious observances/practices that are in accord with [ACD 304-04](#), "Accommodation for Religious Practices." Please inform me at the beginning of the semester of absences for religious observance/practice.

Absences will also be excused if related to university sanctioned events/activities that are in accord with [ACD 304-02](#), "Missed Classes Due to University-Sanctioned Activities." Again, please inform me at the at the beginning of the semester of absences related to university-sanctioned activities.

Academic Integrity

All necessary and appropriate sanctions will be issued to all parties involved with plagiarizing any and all course work. Plagiarism and any other form of academic dishonesty that is in violation with the Student Code of Conduct will not be tolerated. For more information, please see the ASU Student Academic Integrity Policy:

http://www.asu.edu/studentaffairs/studentlife/judicial/academic_integrity.htm

In addition to plagiarism and other forms of academic dishonesty I want to draw your attention to the following:

Due to the nature of the course, you will be submitting code for your assignments. While the use of 3rd party open-source APIs is allowed, each student must submit their own work. You are not to copy work from other students in the class or the internet.

Accommodations for students with disabilities

To request academic accommodations due to a disability, please contact the ASU Disability Resource Center (<http://www.asu.edu/studentaffairs/ed/drc/#> ; Phone: (480) 965-1234; TDD: (480) 965-9000). This is a very important step as accommodations may be difficult to make retroactively. If you have a letter from their office indicating that you have a disability which requires academic accommodations, in order to assure that you receive your accommodations in a timely manner, please present this documentation to me no later than the end of the first week of the semester so that your needs can be addressed effectively.

Disruptive, Threatening, Violent Behavior

Disruptive, Threatening, Violent Behavior will be dealt with per the Student Services Manual, [SSM 104-02](#), “Handling Disruptive, Threatening, or Violent Individuals on Campus”

Incompletes

Incompletes are awarded for the most special circumstances and are not handed out freely. Each incomplete is considered on a case by case basis to determine the extent to which they are warranted.

Footnote 18

Footnote 18 pertains to Barrett Honors College students. These contracts are formalized arrangements in which the student and faculty negotiate course requirements during the first week of classes. As with all honors courses, only courses taught by regularly appointed faculty members or by distinguished visitors are eligible to carry the footnote 18 designation. Contracts should be explicit and fully detail the expectations for both the quantity and quality of work.

