In this course you will learn five aspects of web programming that will launch you into the opportunity to become a web ninja!

This course will teach you how to develop a complete and functional website using five different technologies: HTML, CSS, JavaScript, PHP, and MySQL. You will learn basic techniques along with some advanced techniques. You will also have the opportunity to choose a project from a current leading web design magazine.

This should be an interesting and productive course that you will be able to apply to your future work as employees and managers. This course will help you engage in technology discussions with others and be able to intelligently communicate with your organization’s information systems and technology department.

You will apply the knowledge you learn in this class to the design and development of an e-commerce website. This project will allow you to gain experience with the concepts that are taught as well as provide you with evidence to recruiters that you understand web technology and that you can produce high-quality work.
Assessments
- 5 Assignments (450 pts total)
- Quizzes (100 pts)
- Midterm (200 pts)
- Final (250 pts)
- 1000 pts total

Group Policies
You may NOT communicate with any other person, server, text book, slides, or anything other than yourself.

Semester Project
For the semester you will be building a complete and fully functional website. You will do this through the five homework assignments that we do through the semester. Each homework assignment will build upon the others.

Assignment 1
Frame a Website

Homework: You may work with one other person (a total of two people) for the homework assignments. You may not copy and paste code or syntax from other people or groups. You are free to discuss methods of how to do the homework with other class members. You are also free to use the Internet as a resource, but you should not ask direct homework questions on list serves, chatrooms, forums, or other like discussion mediums. The TAs are available for questions.

Quizzes and Exams: Quizzes and exams are an assessment of what you personally have learned and you are therefore only allowed to use the knowledge you have learned.

Assignment 2
Style a Website

100 points
Due: 11:59 PM Friday, February 21st
Now it is time to style your html code. For this assignment you will create a CSS file for the entire website.

Instructor: Justin Scott Giboney
Email: giboney@email.arizona.edu
LinkedIn: http://www.linkedin.com/in/jgiboney
Office: 108 Esquire (just North-West of McClelland Hall)
Office Hours: Upon Request

TA: Dilan Jenkins
Email: djenkins1@email.arizona.edu
Office Hours: Tu/Th 1 PM - 2 PM
Office: TBD

TA: Jiankun Lu
Email: jiankunlu@email.arizona.edu
Office Hours: Tu/Th 3 PM - 4 PM
Office: TBD
Assignment 4  
Build Logic and a Database  

100 points  
Due: 11:59 PM Friday, April 11th  
For this assignment you will add functionality to your website through server-side scripting. This will allow your website to have some logic and store and retrieve information.

Assignment 5  
Do Something Awesome  

50 points  
Due: 11:59 PM Friday, May 2nd  
For this assignment you will be able to choose a project from some of my recent web designer magazines. This will give you freedom to something current and awesome.

Quizzes and Exams  

Quizzes (in class): Quizzes are worth 20 points each with the lowest quiz being dropped.  
January 30th  
February 13th  
February 27th  
March 13th  
April 8th  
April 22nd  

Midterm: March 28th  
Final: May 13th from 6PM - 8 PM  

Computer-based practical exams: We will be experimenting with a more realistic assessment of your abilities and knowledge by having you demonstrate your abilities on a real programming assignment. This will mean that you will be using your own laptop to perform the task for the quiz or exam.

So long as we don’t feel that there is cheating, we will continue to use this method of assessment.

We will be using XAMPP for the assignments. XAMPP provides an environment for developing and testing websites. You should download it and install it as soon as possible.

Research Lab

The University of Arizona is a top research institution. Because of this, faculty are constantly experimenting and need students to help them do so. You will likely be offered extra-credit for participating in some of these. I will announce studies that I can offer extra credit for.

Policies

Meeting with the Instructor

Because this is a large course, I don't have specific office hours. I want your first request to be to the TAs or other class members. If your question is something specific about the structure of the course or grades, you are free to contact me directly to set up a meeting time. I will redirect questions about homeworks to the TAs unless the TA tells me that you have met with one of them.

Requests for Accommodations

If you anticipate issues related to the format or requirements of this course, please either contact your instructor to discuss ways to ensure your full participation in the course, or self-identify through the DRC. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Resources (621-3268 or http://drc.arizona.edu). You should plan on taking your exams at the DRC if you have an exam accommodation.

Attendance Policy

Attendance is your responsibility. You are responsible for all material covered in lectures whether present or not. Lectures will not only be used to illustrate and expand on the material in the textbook, but also will include material available only during lecture that will appear on the exams and discuss your class assignments. Lectures will include material not on the PowerPoint slides. This extra material will not be posted online. Lecture presentations assume that you have read the assigned material before coming to class, and are prepared to ask questions during class. If you don’t ask questions, then it will be assumed that you understand the material. If there is a topic you do not understand, it is your responsibility to seek clarification from the instructor during lectures, from the teacher during his office hours, or from other students. If you miss a lecture, it is your responsibility to get the notes and announcements from a classmate.

Time Commitment and Planning

Any university course requires a large amount of work outside of lecture. We assume that when you register for this course you will allocate an average of at least three to six hours per week, in addition to lectures, to study the textbook, and complete the homework assignments. It is your responsibility to manage your workload. If you procrastinate starting your assignments, you may find that you don’t have enough time to complete the assignments, or that a technology problem may prevent you from completing/submitting your assignment on time. Note that not being able to access a computer or network and printer problems will not be considered an acceptable excuse for submitting your assignment late.

Classroom Behavior

Cellular telephones, pagers, PDAs, music players and other electronic devices that can distract you and other students must not be used in the classroom. Please remember to turn off the audio ringer on your cell phones before entering the classroom. Under no circumstances should you use any disruptive technology while class is in session. If your cell phone rings during class or you involved in any other form of disruptive behavior that creates a disturbance in class (such as reading a newspaper, sleeping, or having extended conversations), you may be asked to leave the classroom. Similarly, while you may use your laptop computer during class to take notes, using your laptop in any way that distracts other students around you or otherwise disrupts the class (e.g., surfing the web, reading email, or playing audio/video recordings) may result in you being asked to leave the classroom. Having moving content on your screen, such as a movie or video game, is presumed to be distracting as a matter of course and is strictly forbidden. Students who repeatedly disrupt the class...
may be subject to academic penalties and/or administratively dropped.

**Missing an In-Class Examination**

If you are traveling off-campus with a UA sponsor (e.g., Advisor, Coach, etc.) to a UA-sanctioned activity on the day of an exam, while you may NOT take an exam early, you might be allowed to take your exam on the same day as the class with an approved proctor. Note that it is your responsibility to ensure that your sponsor has contacted your instructor not less than 7 (seven) days prior to the exam to determine if you can take the exam under the supervision of a proctor.

**Academic Integrity (i.e., Cheating)**

This course has a zero tolerance policy on cheating. Cheating is unethical and harmful – not only to you, but to other students who don’t cheat. Accordingly, there will be no tolerance for cheating of any kind, and will make every effort to identify and penalize students who cheat.

Cheating includes all actions whereby you take credit for work on assignments that you did not do yourself, whether you copied your work from a solution from a prior semester or another student, had another students complete the project for you, or just copied the work from the Web. Likewise, if you allow another student to copy your assignment, both students involved will be penalized for cheating. Since assignments that are materially the same will be considered as cheating, you are responsible to make sure no one copies your work. It is YOUR RESPONSIBILITY to delete copies of your work from disks on public-use computers, not to allow another student to borrow your solution “to know where to start,” and to be sure you don’t leave printed or electronic copies of your work where other students may “find” them without your knowledge.

Of course, if you include in your assignment material obtained from other work, it is absolutely imperative that you include proper attribution of the source. Plagiarism -- deliberately copying from a book, magazine, or the Web without proper attribution and passing it off as your own -- is cheating and will be treated as such.

**Student Code of Academic Integrity**

Integrity and ethical behavior are expected of every student in all academic work. This Academic Integrity principle stands for honesty in all class work, and ethical conduct in all labs and clinical assignments. This principle is furthered by the student Code of Conduct (http://deanofstudents.arizona.edu/studentcodeofconduct) and disciplinary procedures established by ABOR Policies 5-308 through 5-404, all provisions of which apply to all University of Arizona students.

http://deanofstudents.arizona.edu/codeofacademicintegrity

**Disruptive Behavior in an Instructional Setting**

Disruptive Behavior is prohibited. “Disruptive behavior” means conduct that materially and substantially interferes with or obstructs the teaching or learning process in the context of a classroom or educational setting. Disruptive behavior includes conduct that distracts or intimidates others in a manner that interferes with instructional activities, fails to adhere to an instructor’s appropriate classroom rules or instructions, or interferes with the normal operations of the University. Students who engage in disruptive behavior may be directed by the instructor to leave the class for the remainder of the class period. If the student refuses to leave after being requested to do so, the instructor may summon the University Police. For involuntary removal for more than one class period, involuntary withdrawal from class, or more serious sanctions, the disciplinary procedures set forth in section C, must be utilized.

http://policy.arizona.edu/disruptive-behavior-instructional

**Important Dates**

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<td>30 Jan</td>
<td>Quiz 1</td>
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<td>31 Jan</td>
<td>Assignment 1</td>
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<td>13 Feb</td>
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<td>Assignment 5</td>
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<td>13 May</td>
<td>Final</td>
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**Resources**

Dropbox is an amazing tool that lets you backup and share files.

Dropbox Signup

Aptana is a decent development environment if you aren’t tied to Vim or Emacs.

aptana

http://deanofstudents.arizona.edu/studentcodeofconduct

http://policy.arizona.edu/disruptive-behavior-instructional

http://deanofstudents.arizona.edu/codeofacademicintegrity

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