WEB 3400 - Advanced Web Frameworks

Instructor's Information

- **Name:** Garth Tuck
- **Department:** Computer Science
- **Office Location:** Elizabeth Hall 371
- **Office Hours:** Monday-Thursday - 9:30 AM–10:45 AM
- **Office Phone:** 801-626-7958
- **E-mail:** gtuck@weber.edu

Communication (outside of class):

If you have any questions about the course or need assistance, please contact me in person or by telephone during office hours; or via WSU Online at any time: or E-mail.

Course Website

Supplementary information for the course is available on WSU Online. The Web site contains class notes, PowerPoint slides, class announcements, the course syllabus, exams, quizzes and other information for the course.

Meeting place & times

- **Classroom location:** Tech Ed Room 108
- **Meeting Times:** Tuesday & Thursdayday 8:00–9:20 AM

Textbook (optional)

Learning PHP, MySQL & JavaScript, 4th Edition
By: Robin Nixon
Publisher: O'Reilly Media, Inc.

Pub. Date: December 11, 2014
Print ISBN-13: 978-1-4919-1866-1

Course Description

With a foundation in client-side web design, development, and databases, students will explore server-side web frameworks and content management systems. Using these server-side technologies student will plan, design, and build dynamic web applications and websites. Students will also gain a better understanding of HTML, CSS, web usability, and visual design.

Learning Outcomes

At the conclusion of this course students will be able to create or have an understanding of the following:

- HTML Documents
- CSS Documents
- PHP Scripts
- PHP Syntax
- PHP Variables
- PHP Functions
- PHP Forms
- Common Programming Techniques
- Concepts of SQL and the MySQL RDBMS
- Connections to MySQL from PHP
- Manipulate Information in a Database using PHP
- How to Structure a Dynamic Web Application
- Control Information and Program Flow

Tools

- Codeanywhere Cloud-Based IDE & PHP/MySQL Server (Free Account)
- ATOM (text editor)

- Brackets (text editor)

Final Project

The final project will be 30% of your grade and is worth 300pts. It will encompass components from all of the assignments. More information about the project is forthcoming.

Grade Scheme

100 - 95	A	76 - 73	C
94 - 90	A-	72 - 70	C-
89 - 87	B+	69 - 67	D+
86 - 83	B	66 - 63	D
82 - 80	B-	62 - 60	D-
79 - 77	C+	59 - 0	E

Allocated Time

You should anticipate spending two to three hours of study per week for each credit hour of a university course. Computer and programming classes typically require time in the upper range.

Policies

Exams can only be taken on the days given unless arrangements are made to take them ahead of time.

Course Honesty policy

School of Computing policy dictates that any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in:

1. An automatic failing grade for the class

2. A report to the Dean of Students that will include the student's name and a description of the student's dishonest conduct

Further disciplinary action may be taken by the University as it deems appropriate. You can find more information about academic honesty in the Weber State Policies and Procedures Manual.
http://www.weber.edu/ppm/Policies/6-22_StudentCode.html

If you are not sure whether or not you might violate one of these stipulations, check with your instructor prior to submitting any assignments with questionable content. Refrain from the urge to copy and paste content from the web or anywhere else. A poor grade on a single assignment is much better than a failing grade for the course.

Emergency Closure

In the event of an emergency or campus closure, please check Canvas for more information. You may want to sign up for Weber State's Code Purple if you haven't done so already to be alerted when these types of things happen. (https://www.weber.edu/codepurple)

Course Fee Statement:

Course fees for the Computer Science major are designed to cover the costs of lab equipment maintenance and replacement including desktop and server computer systems and software; consumable materials and supplies; and support for lab aides, student tutors, and online instructional resources.

Students with Disabilities:

Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Services Center. SSD can also arrange to provide course materials (including the syllabus) in alternative formats if necessary.

For more information about the SSD contact them at 801-626-6413, ssd@weber.edu, or http://departments.weber.edu/ssd