Syllabus – CS 2350 – Web Development
Instructor: Leon Trappett
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Office Hours: Monday, Wednesday before and after class by arrangement

Text: Beginning HTML, XHTML, CSS, and Javascript by Jon Duckett
ISBN: 978-0-470-54070-1
Other materials will be provided as the class progresses

Course Description: This course provides an introduction to Internet programming and Web application development. Subjects covered include basic Web page design, dynamic Web page development, and an introduction to server-side scripting and database connectivity. The course will explore various technologies such as HTML, XML, CSS, Javascript, and/or PHP. Prerequisite: CS 1400. Prerequisite/Co-requisite: CS 2550.

Course Objectives: By the end of the course, students will understand the following concepts:
- Creation of HTML utilizing links, images, tables, audio, video and incorporate javascript
- Skills to be able to work as a team on a web design project
- Develop a basic knowledge of setup and hosting a web site on the internet
- Do basic server-side and database connectivity using PHP and MySQL

Students with Disabilities:
Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD). SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary). You can also call 801-626-6413 for more details.

Grading:
50% - 5 Group Web Page Assignments / Milestones
25% - Personal Web Page Assignment / Presentation / Final Assessment
15% - Attendance
10% - Quizzes

Group Assignments: A list of requirements will be given for these assignments. It will be the responsibility of the group to collaborate and complete the given requirements to receive full credit. Also with the requirements will be roles that each developer in the group will need to fulfill. Remember this is a group assignment not an individual doing the work for the group.

Personal Web Assignment: This project is for you to create a personal web page about yourself. You are selling yourself through how you can design a complete webpage by using your mad skilz. The main purpose of this web page is for you to present to future employers the work you can do. This will be a public facing web page and will be required to be built without using commercial tools or publicly available templates.
Attendance: Because half of your grade is based on group collaboration attendance will be mandatory. Class time should be set aside to listen to lecture, understanding the concepts, and working with your groups. Outside of class group collaboration will be expected depending on the assignment given.

Academic Dishonesty or Cheating:
CS Department 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 and 2) a report to the Dean of Students that will include the student's name and a description of the student's dishonest conduct.

Letter Grades:
A : 93.3% <= Total
A- : 90 <= Total < 93.3%
B+ : 86.7 <= Total < 90%
B : 83.3 <= Total < 86.7%
B- : 80 <= Total < 83.3%
C+ : 76.7 <= Total < 80%
C : 73.3 <= Total < 76.7%
C- : 70 <= Total < 73.3%
D+ : 66.7 <= Total < 70%
D : 63.3 <= Total < 66.7%
D- : 60 <= Total < 63.3%
E : Total < 60%

Schedule:
(Note that this course will be very fluid. Topics will change depending on the needs of students.)
Week 1 – Chapter 1,2,3, How are you going to store your web site? Backup your web site? Collaborate as a group?
Week 2 – Chapter 4, Working with Tables, Group Assignment #1
Week 3 – Chapter 5, Forms, Basic Database Connectivity
Week 4 – Chapter 6 Frames
Week 5 – Chapter 7, 8 Cascading Style Sheets, Group Assignment #2
Week 6 – Chapter 9, Page Layout
Week 7 – Chapter 10, Design Issues
Week 8 – Chapter 11, Learning Javascript, Group Assignment #3
Week 9 – Chapter 5,12, Javascript and Forms
Week 10 – Web page security and Javascript
Week 11 – Revisiting Page Layout and CSS, Group Assignment #4
Week 12 – Database Connectivity and PHP
Week 13 – Parameterized Queries, Group Assignment #5
Week 14 – Cross-Site Scripting, Clickjacking, SQL Injection
Week 15 – Wrap-up, Presentation of Personal Web Sites Developed throughout the semester