

UNIVERSITY OF REGINA
Department of Computer Science

CS 215 – Web Oriented Programming
Winter 2015

Instructor: **Dr. Orland Hoerber**
Lectures: **M/W/F 11:30 AM – 12:20 PM (CL 410)**
Webpage: **<http://www.cs.uregina.ca/~hoeber/teaching/cs215/>**
Email: **orland.hoeber@uregina.ca**

Office Hours: **M/W/F 9:00 AM – 11:00 AM (other times by appointment only)**
Office: **CW 308.25**
Phone: **306-585-4598**

Labs: **Lab Section 095: T 2:30 PM – 4:20 PM (CL 115) or**
Lab Section 096: R 10:30 AM – 12:20 PM (CL 115)

Course Prerequisites

CS 210 (Data Structures and Abstractions)

Course Objectives

This courses shows how interactive client/server web applications are designed and implemented. Appropriate languages for web computing will be discussed. Human-computer interfaces, data models, and database connectivity will be explored in the context of web computing.

Textbook

Sebesta, R. W. *Programming the World Wide Web, 8th Edition*, Pearson Education Inc., 2015 (ISBN-13: 978-0-13-377598-3) [7th Edition (2013) is sufficient]

Evaluation

The final grade in the course will be determined as follows:

Assignments	5 x 7%	35%
Lab Assignments:	10 x 1.5%	15%
Midterm Exam	Feb 27	15%
Final Exam	Apr 20	35%
Total		100%

In order to pass the course, you must pass the final exam.

Your final mark may be adjusted by +/- 5%, at the instructor's discretion.

Course Schedule & Topics (Tentative)

Topic	Date	Topics
0	January 7	<ul style="list-style-type: none"> • Introduction & Syllabus Review
1	January 9/12/14	<ul style="list-style-type: none"> • Readings: Ch 1 • The Internet & the Web
2	January 16/19/21	<ul style="list-style-type: none"> • Interface Design & Sketching • Assignment 1 (Fri Jan 23)
3	January 23/26/28	<ul style="list-style-type: none"> • Readings: Ch 2, 3 • HTML5 & CSS3
4	January 30/February 2/4	<ul style="list-style-type: none"> • Readings: Ch 4 • JavaScript Fundamentals • Assignment 2 (Wed Feb 4)
5	February 6/9/11	<ul style="list-style-type: none"> • Readings: Ch 5 • JavaScript & DOM
6	February 13/23/25	<ul style="list-style-type: none"> • Readings: Ch 6 • JavaScript & Events • Midterm Break (Feb 16 – 20)
	February 27	<ul style="list-style-type: none"> • Midterm Exam (Fri Feb 27)
7	March 2/4/6	<ul style="list-style-type: none"> • Readings: Ch 9 • PHP • Assignment 3 (Mon Mar 2)
8	March 9/11/13	<ul style="list-style-type: none"> • Readings: Ch 13, Sections 1–2 • Databases & SQL
9	March 16/18/20	<ul style="list-style-type: none"> • Readings: Ch 13, Sections 3–5 • MySQL & PHP
10	March 23/25/27	<ul style="list-style-type: none"> • Readings: Ch 10 • AJAX & JSON • Assignment 4 (Mon Mar 23)
11	March 30/April 1	<ul style="list-style-type: none"> • Web Information Systems • Good Friday (Fri Apr 3)
12	April 6/8/10	<ul style="list-style-type: none"> • Web Graphics & Visualization • Assignment 5 (Fri Apr 10)

The **Final Exam** has been scheduled for Monday April 20, 2015 from 9:00 AM – 12:00 PM. The exam will be comprehensive, with extra weight given to the topics covered after the midterm.

Lectures and Lecture Notes

Lectures will be held three times per week: M/W/F 11:30 AM – 12:20 PM in CL 410. All lecture notes and assignments will be posted on UR Courses. The lecture notes should not be used as an alternative to attending the lectures. It is expected that students will attend the lectures, listen to the explanations and discussions, and take notes about the important information.

Assignments

All assignments are due at 11:55 PM of the specified dates, and must be submitted electronically via UR Courses. Late submissions will not be accepted, but the grades for missing assignments may be moved to the final exam under exceptional circumstances, and with appropriate documentation.

Labs and Lab Assignments

Students are expected to attend the labs in the lab session in which they are registered only. Attending a lab session for which you are not registered is not permitted due to space and resource limitations.

Lab attendance will be logged during each lab session; 1/3 of your lab mark is based on your attendance and active participation in the activities of the lab.

Lab assignments are due by 11:55 PM on the day of the lab session in which you are registered. For example, if you are registered in the Wednesday afternoon lab, your lab assignment will be due at 11:55 PM on that day. Late submissions will not be accepted, but the grades for missing lab assignments may be moved to the final exam under exceptional circumstances, and with appropriate documentation.

Grades

All grades will be assigned according to the Undergraduate Calendar, Section 5.9: Grading System and Descriptions:

- 90–100: An outstanding performance.
- 80–89: Very good performance.
- 70–79: Above average performance.
- 60–69: A generally satisfactory and intellectually adequate performance.
- 50–59: A barely acceptable performance.
- 0–49: An unacceptable performance.

Other Notes and Information

1. The best way to contact me is via email.
2. You should send class-related email using your University of Regina account only. This will ensure that spam filtering does not keep your email from getting to me.
3. You should check UR Courses and your University email on a regular basis. Important announcements for this class will be made on UR Courses. Other announcements and direct communication will be via email.
4. Students are expected to attend the lectures and labs. If you must skip a lecture or lab, it is your responsibility to find out from classmates what you missed.
5. Although group discussions and study groups are encouraged, all lab work and assignments are to be completed individually. Group discussions should be focused on general concepts, ideas, and lecture materials, and not the specifics of any assignment or lab.
6. Plagiarism and other forms of academic misconduct will not be tolerated. It is up to each student to understand the rules and regulations pertaining to this (Section 5.13 in the Undergraduate Calendar). Be aware that not only is the act of copying the work of another considered plagiarism, so is the act of allowing another to copy your work.