

**UNIVERSITY OF REGINA**  
**Department of Computer Science**

**CS 215 – Web Oriented Programming**  
**Fall 2014**

Instructor: **Dr. Orland Hoerber**  
Lectures: **W/F 8:30 AM – 9:45 AM (ED-315 Luther Auditorium)**  
Webpage: **<http://www.cs.uregina.ca/~hoeber/teaching/cs215/>**  
Email: **orland.hoeber@uregina.ca**

Office Hours: **W/Th 10:00 AM – 11:45 AM (other times by appointment only)**  
Office: **CW 308.25**  
Phone: **306-585-4598**

Labs: **Lab Section 096: W 2:30 PM – 4:20 PM (CL 115) or**  
**Lab Section 097: T 2:30 PM – 4:20 PM (CL 115) or**  
**Lab Section 098: M 2:30 PM – 4:20 PM (CL 115)**

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### **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	Oct 22	20%
Final Exam	Dec 8	30%
<b>Total</b>		<b>100%</b>

**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)**

<b>Topic</b>	<b>Date</b>	<b>Topics</b>
0	September 3	<ul style="list-style-type: none"> <li>• Introduction &amp; Syllabus Review</li> </ul>
1	September 3/5	<ul style="list-style-type: none"> <li>• Readings: Ch 1</li> <li>• The Internet &amp; the Web</li> </ul>
2	September 10	<ul style="list-style-type: none"> <li>• Interface Design &amp; Sketching</li> </ul>
3	September 12/17	<ul style="list-style-type: none"> <li>• Readings: Ch 2</li> <li>• HTML/XHTML/HTML5</li> <li>• <b>Assignment 1 (Wed Sep 17)</b></li> </ul>
4	September 19/24	<ul style="list-style-type: none"> <li>• Readings: Ch 3</li> <li>• CSS</li> </ul>
5	September 26/October 1	<ul style="list-style-type: none"> <li>• Readings: Ch 4</li> <li>• JavaScript Fundamentals</li> <li>• <b>Assignment 2 (Wed Oct 1)</b></li> </ul>
6	October 3/8	<ul style="list-style-type: none"> <li>• Readings: Ch 5</li> <li>• JavaScript and HTML Documents</li> </ul>
7	October 10/15	<ul style="list-style-type: none"> <li>• Readings: Ch 6</li> <li>• JavaScript and Dynamic Documents</li> </ul>
8	October 17/22	<ul style="list-style-type: none"> <li>• Midterm Review</li> <li>• <b>Assignment 3 (Mon Oct 20)</b></li> <li>• <b>Midterm Exam (Wed Oct 22)</b></li> </ul>
9	October 24/29	<ul style="list-style-type: none"> <li>• Readings: Ch 9</li> <li>• PHP</li> </ul>
	October 31	<ul style="list-style-type: none"> <li>• Lab on Database Design</li> </ul>
10	November 5/7	<ul style="list-style-type: none"> <li>• Readings: Ch 13, Section 1–2</li> <li>• Databases &amp; SQL</li> </ul>
11	November 12/14	<ul style="list-style-type: none"> <li>• Readings: Ch 13, Section 3–5</li> <li>• MySQL &amp; PHP</li> </ul>
12	November 19/21	<ul style="list-style-type: none"> <li>• Readings: 10</li> <li>• AJAX &amp; JSON</li> <li>• <b>Assignment 4 (Wed Nov 19)</b></li> </ul>
13	November 26/28	<ul style="list-style-type: none"> <li>• Security</li> </ul>
14	December 3	<ul style="list-style-type: none"> <li>• Final Review</li> <li>• <b>Assignment 5 (Thu Dec 4)</b></li> </ul>

The **Final Exam** has been scheduled for Monday December 8, 2014 from 9:00 AM – 12:00 PM. The exam will be comprehensive, with extra weight given to the topics covered after the midterm.

Because the final exam will occur so quickly after the end of the lecture period, I have scheduled supplemental office hours from 1:00 – 4:00 PM on Sunday December 7, 2014. Students are urged to take advantage of the opportunity to seek help or clarification before the final exam.

### **Lectures and Lecture Notes**

Lectures will be held twice per week: W/F 9:30 AM – 10:45 AM in ED 315. 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 both 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.