

Tentative Course Plan and Syllabus
CSI 2520: Interactive Web System

Instructor: Dr. Shital Joshi
Class Schedule: Tuesday, Thursday (1:00 PM to 2:47 PM)
Class Venue: Engineering Center 550
Email: ShitalJoshi@oakland.edu
Office: 130DH
Office Hours: Tuesday, Thursday (3:00 PM to 4:00 PM)

TA: Sara Sutton (smsutton2@oakland.edu)

Credit: 4.00

Course Description:

This course introduces the fundamentals of interactive multimedia in context of web technologies. Topics covered include use of modern web development tools, Markup Languages, server-side processing, and client-side processing using languages such as JavaScript. Students will use these tools to create interactive and dynamic web sites. Satisfies the university general education requirement in the knowledge applications integration area.

Prerequisite: CSI 2300

Course Objective:

After successful completion of the course, the students will be able to:

- Understand the structure and major building blocks of the Internet
- Create interactive web sites with HTML/CSS and JavaScript
- Design and develop PHP scripts to support the business logic of the Web applications
- Integrate and use MySQL for data management

Text Book:

Scobey “*Web Programming and Internet Technologies*”, 2nd edition, Jones & Bartlett.

ISBN: 9781284070682

Home works:

There will be around 5 -7 home works assigned throughout the semester.

Course Project:

Project has to be done individually. Project topic will be assigned on 1st February 2018. Due date will be 5th April, 2018 (11.59 PM EST). A report (**along with codes**) must be submitted through moodle. Each of the student has to present (in the form of ppt) the presentation to the TA by 10th April 2018 (5:00 PM EST). It is the student's responsibility to arrange presentation time with the TA. Failure to present will deduct 50% marks from the total project grade.

Course Grade Criteria:

Home works	30% (300 points)
Project	20% (200 points)
Midterm Exam	20% (200 points)
Final Exam	30% (300 points)
Total	100% (1000 points)

Points Earned	Grade
975 – 1000	4.0
950 – 975	3.9
925-949	3.8
900-924	3.7
875-899	3.6
850-874	3.5
825-849	3.4
800-824	3.3
775-799	3.2
750-774	3.1
725-749	3.0
700-724	2.9
675-699	2.8
650-674	2.7
625-649	2.6
600-624	2.5
500-599	2.0-2.4
Less than 500	0.0

Course and Class regulations:

If you are having trouble understanding a concept, please contact me inside the class or in my office during office hours. Please feel free to make suggestions, complaints, etc., at any time including making comments anonymously.

I encourage, and reward, individual efforts to build a community of active learners. Efforts to participate in class will be awarded **bonus points or extra credits** in the class.

- Deadlines are final and must be met. It is your responsibility to allocate time accordingly. All assignments must be turned in before 23:59 (EST) on due dates listed. Absolutely NO excuses will be accepted like computer crashes. Ensure that you have enough backups to allow for the worst-case scenarios, such as loss of your homework or project.
- Exams: No make-up exams will be given unless (1) I am notified 2 weeks prior to the official exam's administration that you will miss the exam, and (2) an acceptable University-approved excuse is provided promptly. Exams will be closed books and notes with no crib sheet. Calculators that can store texts and diagrams will not be allowed.
- Mid Semester Evaluations: A mid semester evaluation will be conducted for all students registered in this course. For those students who are not achieving satisfactory progress (2.0) in this course at that point, an unsatisfactory grade (U) will be entered on SAIL.
- Students with disabilities who may require reasonable accommodations should contact Oakland University's Disability Support Services office for assistance. DSS office is located at 121 NFH, and their contact information is as follows. Phone: (248) 370-3266; TTY: (248) 370-3268; Fax: (248) 370-4989; E-mail: dss@oakland.edu.

Academic Conduct Policy: Students are expected to comply with the Academic Conduct Policy of the Oakland University. Suspected breaches of academic honesty will be taken before the Academic Conduct Committee. Academic misconduct includes—but not limited to—cheating in quizzes and exams, unauthorized collaborations in assignments, and plagiarizing the work of others. Students found guilty of academic misconduct in this course will receive a grade 0.0 for the course in addition to any penalties imposed by the conduct committee. Please refer to the undergraduate catalog as well as on-line Academic Conduct Regulations from <http://www.oakland.edu/deanofstudents> for details. Violations of classroom policy will be reported to the Dean of Students.

A course website is located at <https://moodle.oakland.edu/moodle>. This website will include notes and schedules (including exam dates) for our course. Lecture notes, home assignments will be available for download from this site.

Attendance: Attendance is very important for this class. Late arrival and side talking are strongly discouraged. Students are responsible for knowing all the verbal (announcement) and written information provided by the instructor during class, including those are posted on the course web page.

Home work/Report Submissions rules and best practices :

- 1) All home assignments/reports will be submitted **ONLY** through Moodle.
- 2) When naming your home assignments you **MUST** use the naming convention below:
 - a. All files should be collected under one folder and zipped, before submitting on Moodle.
 - b. The folder should be named as: Report/HW_**-Student_Name_XX. (**where ** means homework number and XX means last two digits of your Grizzly id.**)
 Example: **HW01-S.Mike_52**

Failure to submit in this order will automatically results in 10 points deduction.

- 3) You are encouraged to review the assignments when assigned (even if you don't have time to work on them right then). This way you can plan out your week and get your questions answered early.

Class behavior contract:

- I. Please adhere to professional behavior in class. Refrain from side conversations, surfing the internet on personal devices, answering phones/ texting, etc.
- II. All digital devices such as: Personal laptops, Cell phones, tablets, mp3 players... etc need to be put out of sight and must be set to silent, no head phones are allowed.
- III. Student can ask questions during any time of the lecture. I prefer students to ask questions, immediately as it arises and not wait till the end of the class. If you feel not satisfied with the answer, you can come and discuss with me after class or at any other time.

When and Where

Please visit <http://www.oakland.edu/important-dates> for many important dates of the semester.

Advice for performing well in this class

- Attend the class, bringing the required textbook to work on the exercises.
- Keep up with the weekly assignments, since many of the concepts build upon each other.
- Review the assignments when assigned (even if you don't have time to work on them right then). This way you can plan out your week and get your questions answered early. Don't wait until the last minute to work on an assignment at home.
- Read ahead in the book. Many of the questions you encounter in the homework and exams can be found in the reading.
- If you are working on your homework at the university and forget your flash drive, you can save your files to the following OU website: <http://files.oakland.edu>. You just need to use the same login that you do for Moodle.
- Check Moodle website of this session at <https://moodle.oakland.edu/moodle> often for updates. This website will contain notes, assignments, supplementary materials, assignment due dates, exam dates, etc.
- Class announcements and reminders through Moodle will go to your OU email. If you don't check OU email very often, forward it to your primary email account.
- Last but not least, if you have trouble understanding a concept, please contact me right away. Best way to catch me is by email.

Tentative Course Schedule:

Class	Date	Topics	Chapter
1	Jan 4	Setting the Scene	Chapter 1
2	Jan 9	Establishing a Web Presence	Chapter 2
3	Jan 11	HTML for Content Structure	Chapter 3
4	Jan 16	HTML for Content Structure	Chapter 3 (Lab)
5	Jan 18	HTML for Content Structure	Chapter 3 (Lab) (HW 01)
6	Jan 23	CSS for Content Presentation	Chapter 4
7	Jan 25	CSS for Content Presentation	Chapter 4 (Lab)
8	Jan 30	CSS for Content Presentation	Chapter 4 (Lab)
9	Feb 1	CSS for Content Presentation	Chapter 4 (Lab) (HW 02)
10	Feb 6	HTML Forms for Data Collection	Chapter 5
11	Feb 8	HTML Forms for Data Collection	Chapter 5 (Lab) (HW 03)
12	Feb 13	JavaScript for Client-Side Computation	Chapter 6
13	Feb 15	JavaScript for Client-Side Computation	Chapter 6 (Lab)
	Feb 17	Winter recess	
	Feb 26	Winter recess	
14	Feb 27	JavaScript for Client-Side Computation	Chapter 6 (Lab)
15	Mar 1	Revision	
16	Mar 6	1 st Mid Term	
17	Mar 8	JavaScript for Client-Side Computation	Chapter 6 (Lab) (HW 04)
18	Mar 13	JavaScript for Client-Side Content Behavior	Chapter 7
19	Mar 15	JavaScript for Client-Side Content Behavior	Chapter 7 (Lab)
20	Mar 20	PHP for Server-Side Preprocessing	Chapter 8
21	Mar 22	PHP for Server-Side Preprocessing	Chapter 8 (Lab) (HW 05)
22	Mar 27	PHP for Server-Side Preprocessing	Chapter 8 (Lab)
23	Mar 29	MySQL for Server-Side Data Storage	Chapter 9
24	Apr 3	MySQL for Server-Side Data Storage	Chapter 9 (Lab)
25	Apr 5	MySQL for Server-Side Data Storage	Chapter 9 (Lab) (HW 06)
26	Apr 10	PHP and MySQL for Client-Server Database Interaction	Chapter 10 (Lab)
27	Apr 12	Revision	
Apr 24		Noon – 3:00 PM (Engineering Center 550)	
Note: <ul style="list-style-type: none"> This is just a tentative course schedule. It may evolve throughout the semester. 			