

**Endicott College
Beverly, Massachusetts
School of Arts and Sciences
Computer Science Department
Course Syllabus**

Course #: CSC 401.01
Course title: Web programming II—Interactive Web applications
Credits: 3
Pre-requisites: CSC 200, CSC 340
Semester: Spring 2014
Meeting times: Lectures T/Th 3:30–4:45pm in LSB 212
Textbook: None required
Web page: <http://hank.feild.net/courses/2014-sp/csc401>

Instructor: Henry Feild, Ph.D.
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Office hours: T/Th 2–3:30pm and by appointment

Catalog Description

An advanced examination and application of server-side web programming and client communication technologies that facilitate interactive web applications.

Learning Outcomes

At the completion of this course, students will:

- be able to implement client and server side Web applications
- have a general understanding of Web technologies such as frameworks
- have hands on experience with at least one Web framework
- understand the underlying principles of event-driven computing
- have an appreciation for social Web programming issues, such as data collection and cookie tracking

Teaching/Learning Strategies

Students will work on two projects throughout the semester: one as a group project, the other that we will develop as a class. Students will be responsible for picking their group project. Classes will be dedicated to demoing material discussed in the readings and then applying it to the class project, as well as project reviews. Extra time will be used to work on group projects.

Outline

Week	Dates	Topics	Project milestone deadlines
1	Jan. 28, 30	Client-server models; Linux/GitHub/JavaScript	
2	Feb. 4, 6	Web technologies (student presentations)	List of potential projects
3	Feb. 11, 13	Planning a project	Project and web framework chosen
4	Feb. 18, 20	Getting a project framework set up	Running framework
	<i>Feb. 25</i>	<i>No class—Faculty/student internship conference day</i>	
	Feb. 27	Exam 1	
5	March 4, 6	Planning a project code skeleton	List of stubs to create
6	March 11, 13	Add stubs to code	Stubs added to code base
	<i>March 18, 20</i>	<i>No class—Spring break</i>	
7	March 25, 27	Implementing stubs; Databases	
8	April 1, 3	Implementing stubs; Authentication	Project check up
9	April 8	Implementing stubs	
	April 10	Exam 2	
10	April 15, 17	Implementing stubs	Project check up
11	April 22, 24	Implementing stubs	
12	April 29, May 1	Wrapping up	
13	May 6, 8 May 12	Adding styling	Add style Submit project code
	FEP	Final presentations	

Grading

Exam 1	15%	Class project	30%
Exam 2	15%	Homework	20%
Final presentation	15%	Participation	5%

100–94 = A	89–87 = B+	79–77 = C+	69–67 = D+	59–0 = F
93–90 = A-	86–83 = B	76–73 = C	66–63 = D	
	82–80 = B-	72–70 = C-	62–60 = D-	

Required Texts

There are no required texts for this class. Some reading material will be supplied by the professor. The class projects will require that you use on-line resources, many of which you will need

to locate on your own.

Late Policy

There are no late days for this course. The class project will have several key milestones, and it is important that those milestones are met. The assessment of the milestones will be a mix of in-class presentations, group meetings with the professor, and code reviews.

ADA Policy

If you as a student qualify as a person with a disability as defined in Chapter 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, the Americans with Disabilities Act Amendments Act of 2008 (ADAAA), you are strongly encouraged to register with the Center for Teaching and Learning. The Center for Teaching and Learning is located in the Diane M. Halle Library room 201 and online at <http://www.endicott.edu/academicresources>. As a student registered with the Center for Teaching and Learning, it is your responsibility to present your accommodation letter to your instructor at the beginning of each semester.

Course Expectations

For each credit hour, students are expected to spend a minimum of two hours on work out-side of class each week. For this three credit course, that is a minimum of six hours each week.

Students must review the Academic Calendar published by the Registrar's Office online at: <http://www.endicott.edu/Academics/AcademicCalendar.aspx>. Class attendance is expected of all students up to and including the last day of scheduled classes in the semester. Students must plan accordingly.

Attendance/Participation

Students should attend every class. However, students may miss up to three classes excused or unexcused, without notifying the professor. In-class exercises cannot be made up for credit and office hours will not be used to cover material missed due to an absence. Participation will also be affected. **Absences beyond three classes may result in up to a 5% penalty on the final course grade per absence.** Please contact the professor in the event of extenuating circumstances resulting in the need for a prolonged absence.

Participation, which includes in-class exercises, is worth 5% of the final grade. Students who miss class, do not participate when in class, and consistently perform poorly on in-class exercises will receive an overall participation grade of 0. Students who always come to class, are eager to participate, and consistently perform well on in-class exercises will receive the full 5 participation points, **and may earn up to 5 points extra credit.**

While in class, students are expected to be fully present and engaged. Using phones or lab computers in class for any non-class purpose—e.g., texting, making calls, checking email, watching videos, etc.—is strictly forbidden. Laptops are not to be used in class unless otherwise

indicated. Side discussions, covert texting, or any other failure to pay attention will negatively impact your grade. Violators will be warned once, and asked to leave the lecture thereafter. Being asked to leave will be counted as an absence, regardless of when during the class the incident occurs. Consistent violations will result in failure of/dismissal from the class.

Academic Integrity

Students are expected to abide by the *Academic Integrity Policy* of Endicott College. Cheating will result in failure of the assignment or course or dismissal from the College. Make sure to always cite sources. You are expected to be capable of explaining any code you submit to the professor when asked. Submitting submitting code that is not your own without a reference is considered a violation of the Academic Integrity Policy.

Subject to Change

This syllabus is subject to change at the discretion of the professor. Updates will be announced and the most recent version will be available on the course website.