Web Systems
Course Syllabus

Spring 2023 (Jan 17 to May 10) – 16 Week Semester
CS 651-02 (2465) - Web Online Asynchronous
Weekly Meetings – South Science S247 – Wednesday 2-3:15PM

Instructor

Name: Barbara Hecker, PhD
Email: barbara.hecker@csueastbay.edu
Cell Phone: (408) 429-9996
Office Location: Online via Skype or Zoom
Hours: Tu & Th 8-11am or by appointment

Course Description

Current practices and trends in software design, development, and deployment of web-based systems, with particular emphasis on e-commerce and Java application development. Projects include the latest technologies and techniques used by the Internet community. Prerequisites: CS 351, CS 401 or M.S. in Computer Science major.

Course Learning Outcomes

Upon completion of this course the student will:

*   Demonstrate advanced understanding of the mechanisms, components and architecture of current web systems.
*   Apply emerging technologies in the sector of Web Systems.
*   Plan and produce complex software applications.
*   Critique complex software systems.
*   Research and analyze current computer science literature.

Recommended (optional) Textbook

Note: Wait to get this book until the first day of class.

Steelman, Murach, Mike (2008) Murach's Java Servlets & JSP, 2nd Edition. ISBN: 9781890774448

Weekly lecture notes at: http://www.mcs.csueastbay.edu/~bhecker

Grading

Programming Assignments	35%	You will be assigned seven programming assignments throughout the quarter. Each assignment will be worth 5% of your course grade.
Midterm Exam	30%	There will be one take-home midterm exam given about halfway through the course.
Final Exam	35%	There will be one comprehensive final exam, which will count for 35% of your course grade. This will be an in-class exam.

Academic Dishonesty

By enrolling in this class, the student agrees to uphold the standards of academic integrity described in the catalog at **http://www.csueastbay.edu/ecat/current/i-120grading.html#section12**

Although collaborate study and dialogue are encouraged, students are expected to author solutions entirely on their own.

Grading Formula

A	95 – 100	C+	77 – 79
A-	90 – 94	C	73 – 76
B+	87 – 89	C-	70 – 72
B	83 – 86	D	60 – 69
B-	80 – 82	F	59 or <

Late Policy

If you are going to be late with an assignment, please notify the instructor prior to the assignment due date. Exceptions to due dates can be made per instructor approval before the posted due date.

Assignments will NOT be accepted after the last day of class (Sun 5/7).

Exses

Exams

There will be a midterm exam due **2/26** and a final exam due **5/10**. Both exams will be online using the **Respondus Lock Down** web browser.

Both exams can be taken within a 5-day window at a time that is convenient for the student. **NO webcam or other software will be required.**

Class Schedule and Assignment Due Dates

Week	Topic	Assignments	Date
1	Class Introduction HTML, JavaScript, CSS		We 1/18
2	HTML, JavaScript, CSS	Program – 1, Due **Sun 1/29**	We 1/25
3	Java Programming for web applications		We 2/1
4	Java Servlets	Program – 2, Due **Sun 2/12**	We 2/8
5	Java Servlets and MVC applications		We 2/15
6	Sessions, Cookies Using Session Data	**Midterm Exam** Due **Sun 2/26**	We 2/22
7	Passing Data between application components JSP Tags, JavaBeans		We 3/1
8	Custom JSP Tags	Program – 3, Due **Sun 3/12**	We 3/8
9	JSP Extensions		We 3/15
10	JSP Extensions	Program – 4, Due **Sun 3/26**	We 3/22
	SPRING BREAK	**NO CLASS**	**3/27 to 3/31**
11	Web application development		Wed 4/5

12	Internet Databases Using JDBC	Program – 5, Due **Sun 4/16**	We 4/12
13	Integrating database connectivity with Java Beans and other J2EE components.	Program – 6, Due **Sun 4/23**	We 4/19
14	Java Beans and other J2EE components.		We 4/26
15	Final Exam Review NO assignments will be accepted after **Sunday 5/7.**	Program – 7, Due **Sun 5/7**	We 5/3
	Final Exam Week	May 8 – 12	We 5/10

Other Policies

- Information on what to do in an emergency situation (earthquake, electrical outage, fire, extreme heat, severe storm, hazardous materials, terrorist attack) may be found at: http://www.aba.csueastbay.edu/EHS/emergency_mgnt.htm. Please be familiar with these procedures. Information on this page is updated as required. Please review the information on a regular basis.
- If you have a documented disability and wish to discuss academic accommodations, or if you would need assistance in the event of an emergency evacuation, please contact me as soon as possible. Students with disabilities needing accommodation should speak with the Accessibility Services.
- Title IX and CSU policy prohibit discrimination, harassment and retaliation, including Sex Discrimination, Sexual Harassment or Sexual Violence. CSUEB encourages anyone experiencing such behavior to report their concerns immediately. CSUEB has both confidential and non-confidential resources and reporting options available to you. Non-confidential resources include faculty and staff, who are required to report all incidents and thus cannot promise confidentiality. Faculty and staff must provide the campus Title IX coordinator and or the DHR Administrator with relevant details such as the names of those involved in an incident. For confidential services, contact the Confidential Advocate at 510-885-3700 or go to the Student Health and Counseling Center. For 24-hour crisis services call the BAWAR hotline at 510-845-7273. For more information about policies and resources or reporting options, please visit the following websites:
  - http://www.csueastbay.edu/af/departments/risk-management/investigations/registercomplaints.html

- o www.csueastbay.edu/titleix