CS 201: Web Technology II

- Class time: Monday and Wednesday at 4:30-5:45 pm
- Class Room: PB4-101

Instructor & Contact Information:

Instructor: James Kiley
Office: 345B-11D
Phone: 932-7543 (but I answer e-mail more often than I check my messages)
Office Hours: In CH-11 Lab: Monday 5:15-5:45 pm and Wednesday 5:15-5:45 pm
           By appointment
E-Mail: kileyj@hawaii.edu

Catalog Description:

Issues in intermediate web page authoring. Creation of web pages that present data from XML sources and use XSLT transformations. Development of an e-commerce web site that uses a standard browser to accept user input, processes the user input with business logic, and connects to a backend SQL database. Publication of Web site to a web server. Pre: CS 200 or consent of instructor.

Student Learning Outcomes:

By the end of the course, successful students will be able to:

- Construct web pages for an e-commerce environment that display data such as product descriptions and shopping cart information in a web page. Standardize pages for a consistent look and feel.

- Apply the client-server model to the components of an e-commerce site. The current configuration includes PHP pages viewed by the client, business logic on an Apache server, and backend data on a MySQL server. Also examine an alternative configuration using ASPX, IIS, and Microsoft SQL.

- Use tools to examine and change the data in the MySQL database, such as product information, prices, sizes, customer data, etc.

- Analyze and debug computer programming code to locate lexical, syntactic, and semantic errors.

- Construct XML data files and XSLT transforms to display static data on web pages without requiring a backend database. (Optional special topic.)

Textbook:

Deliverables:

Deliverables (laboratory/homework assignments) are due on the date indicated on the assignment. A deduction of 10% per class day will be made for late work, and submissions will be closed two weeks after the deadline. Deliverables will be evaluated on technical merit and agreement with specifications. Deductions may be made for unreasonable content.

Quizzes and Tests:

Quizzes and Tests will be given on the dates specified.

Grading (approximate %):

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<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
<th>Grade Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>40%</td>
<td>93% and above</td>
<td>A</td>
</tr>
<tr>
<td>Online Homework</td>
<td>10%</td>
<td>90%-92.99%</td>
<td>A-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>87%-89.99%</td>
<td>B+</td>
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<tr>
<td>Quizzes</td>
<td>20%</td>
<td>83%-86.99%</td>
<td>B</td>
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<td>Tests</td>
<td>30%</td>
<td>80%-82.99%</td>
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<td>70% to 79%</td>
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<td>60% to 69%</td>
<td>D</td>
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<td></td>
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<td>Below 60%</td>
<td>F</td>
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The letter grade scale will be:

Plus and minus grades will be assigned.

Laboratory Projects:

The course will use a laboratory approach; so much of the class time will be devoted to developing solutions to projects posed in the text material. These project solutions will be a substantial portion of the course grade.

Department Policies Concerning Course Administration

The grade of "W" (Withdrawals):

Students who feel that they cannot successfully complete a course may withdraw from that course before the published withdrawal deadline. The student is responsible for dropping the class on the MyUH system. Upon successfully dropping a course the student will receive the grade of W. DO NOT just stop attending a class without formally dropping it; this will result in the grade of F.

The grade of "I" (Incomplete):

The grade of "I" is given only when a student is unable to complete a small but important part of the course because of illness or other conditions beyond the control of the student. Negligence, indifference, or a failing grade are never acceptable reasons for giving an "I".

In order to apply for a grade of "I", the student must present to the course instructor a signed statement of the reason for the incomplete, including a detailed description of the work that is to be completed as well as a deadline
for completion, which is not to exceed the date specified in the Academic Calendar. Then the appropriate form will be completed by the student and the instructor to issue the grade of "I".

**Honesty (or lack thereof):**

All course work, including examinations, homework, and programming assignments, must be the individual work of the student who submits it. It is dishonest to submit as your own work anything that is copied, reproduced electronically (such as disk file copying) or in any other way not done completely by yourself. Incidents of dishonesty will be handled according to the University procedures governing cheating and plagiarism. The following penalties may be assessed:

- An "F" in the course for dishonesty in any assignment, examination or paper.
- Any students who are involved in group action which makes possible cheating or plagiarism shall be subject to the same penalties as if they themselves had cheated or plagiarized.

**Homework/Laboratory/Programming Assignment Guidelines:**

Naturally, homework/laboratory/programming assignments are to represent your own work. In this respect, they do not differ from examinations. However, you may obtain certain types of assistance from the instructor or from laboratory consultants. Since your work is to be your own, neither the logical design nor the actual content is to be the product of a group effort or of anyone except yourself. This rule is absolute and will be enforced. Violations will be viewed as academic dishonesty and will be treated as such. Since solutions to nontrivial assignments produced independently are invariably different, strikingly similar solutions submitted for an assignment will be suspect. Should more than coincidentally similar solutions be turned in, the students involved will be required to submit evidence that their solutions are their own work. Both handwritten evidence and computer files/printouts will be considered. The lack of such documentation will be taken to indicate that the assignment was not your own work. For your own protection (and because it represents good practice), you should save all printouts and other documents used to produce your solutions until after you have received a final grade in the course. Failure to do so is at your own risk.

**Computing Facilities Policies:**

Usage of UHH computing facilities is governed by the "Interim Policy for Responsible Computing and Network Access", University of Hawaii, Information Technology Services. A copy is posted in each laboratory.

**Open Laboratory:**

Software for this class will be available in the open lab CH-11 B (the smaller side of CH-11). The classroom (larger side of CH-11-A) may also be used when classes are not in session.

**Software:**

Students are not required to purchase software for this class. Computers are available in the open lab, and most of the software in this course is free to download on personal computers.
University Statements

Special Assistance:

Any student with a documented disability who would like to request accommodations should contact the Disability Services Office - Hale Kauanoe A Wing Lounge, 933-0816 (V), 933-3334 (TTY), uds@hawaii.edu - as early in the semester as possible.

Tutoring:

Kilohana: The Academic Success Center provides academic support opportunities for all UH Hilo students that foster their development into independent, self-motivated learners. Students who visit Kilohana have access to subject-specific and academic skills tutoring from UHH students selected for their academic achievement and dedication to helping others succeed. Kilohana is located on the lower level of the Mookini Library and on the web at http://hilo.hawaii.edu/kilohana/. The tutor for Computer Science works in CH-11B, however, not in the library. Hours are posted in CH-11B.

Advising:

Advising is a very important resource designed to help students complete the requirements of the University and their individual majors. Students should consult with their advisor at least once a semester to decide on courses, check progress towards graduation, and discuss career options and other educational opportunities provided by UH Hilo. Advising is a shared responsibility, but students have final responsibility for meeting degree requirements.