SYLLABUS

Instructor Team

- Prof. Sanda Katila (Visual Communication Design)
- Prof. Paul S. Wang (Computer Science)

Prerequisites

- Web Design and Programming I
- CS, VCD and other students with equivalent background may register only after obtaining instructor permission.

Description

This 3-credit class is a joint Computer Science (CS) and Visual Communication Design (VCD) course on advanced Web techniques and multimedia Web design: Web servers, security, advanced design, Java servlets, applets, database connectivity, site maintenance, and creation of actual Web sites by teamwork.

Course Content

- Computer Science:
  - Dynamic page generation, active pages (PHP, PEAR, sessions, authentication, HTTP1.1)
  - Database connectivity, database supported webpages (SQL, MySQL, and PHP support for database access)
  - Object-oriented coding (PHP and Javascript)
  - Virtual hosting, content negotiation
  - Web servers and server configuration
  - Website access control
  - Server-side programs as web clients
Site and page search
Preparing and serving multimedia content: audio and video
Scripting for sound and animation (Actionscript for Flash)

Visual Communication:
Programming and interface design; the essential components for effective commercial sites
Organizing large volumes of information; integrating effective programming with streamlined design
Application of typography, layout and sequencing to web sites
Introduction to Audio and Video for the Web for all major platforms
Exploring options, tools and effective uses of multimedia for the Web
Why, Where and How to Design Animation for the Web
Implementing design with advanced Web technology

Course Requirements

Homework assignments 40%
Mid-term exam 30%,
Milestones and Finished team project 30%
No final exam

Team Project

Students will form Web design and implementation teams to create new sites or upgrade existing sites. The projects will put the course materials to use in realistic situations. Teams will present finished, near production, Websites and submit a joint project report in lieu of final exams. Individual team members will also submit separate written project reports on their own activities and contributions to the team project.

Textbook

An Introduction to Web Design and Programming by Paul Wang and Sanda Katila.
Book ordering information

Expectations for Students

WDP-2 builds on a solid foundation of Web Design and Programming from WDP-1. The focus of WDP-2 is to address more advanced issues of practical importance for creating and maintaining Web sites.

We are not expecting VCD students to become programmers. Although some html, php, and actionscript coding are required when that helps design and site information architecture.

We are not expecting CS students to become designers. Although understanding design concepts, use of some design tools can help the construction and maintenance of a website.

Here we list what we expect the course to teach and students to learn.

Expectations for VCD students

- VCD topics: GOLive/Dreamweaver: understanding page layouts and site architecture. Working with layouts, tables, layers, page structure, templates, rollovers, drop down menus, type and intermediate level CSS to create aesthetically pleasing, well designed websites.

  Flash Foundation: Understanding the basic concepts and logic of interactivity and motion. Creating and working with interaction, buttons, shape and mouse interactions, basic scripting in ActionScipt. Creating and applying external elements such as sound and video in Flash.

- CS topics: what is an active page, understanding PHP in order to appreciate and perhaps use PHP in HTML to organize a page templates into reusable parts, learning about PHP's support of graphics, understanding databases and how they can be applied to help a Web site, action scripting for Flash (some programming here),
including audio and video, Flash in Web pages, understanding server-side access control, user authentication, and how to make a web site fast loading through HTTP 1.1 techniques.

**Expectations for CS students**

- **VCD topics:** Design: Learning and applying basic design principles such as hierarchy, contrast, asymmetry and positive/negative space to website design through page layout homework. Developing sensitivity and appreciation for layout and type while applying newly learned skills to homework assignments.

  Flash: Understanding the basic concepts in Flash; leaning program logic and applying ActionScripting to homework and final projects. Working alongside designers and serving as programming consultants on the final projects.

- **CS topics:** PHP, MySQL, PHP interface to MySQL, Apache, Apache configuration, access control, user authentication and session control, object-oriented Javascript and PHP, ActionScript, HTTP 1.1, HTTP caching, page deflation, audio, video, Flash deployment in Web pages and Javascript control of media, PHP support of graphics, actual use of database to support website operations such as user accounts

**Registration Requirement**

The official registration deadline for this course is 09-13-2009. University policy requires all students to be officially registered in each class they are attending. Students who are not officially registered for a course by published deadlines should not be attending classes and will not receive credit or a grade for the course. Each student must confirm enrollment by checking his/her class schedule (using Student Tools in FlashFast) prior to the deadline indicated. Registration errors must be corrected
prior to the deadline.

The last day to withdraw is 11-08-2009.

**Student Accessibility Policy**

University Policy 3342-3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accessibility Services (contact 330-672-3391 or visit www.kent.edu/sas for more information on registration procedures).

**STUDENT CHEATING AND PLAGIARISM: Condensed Version**

[ For the complete policy and procedure, go to www.kent.edu/policyregister and search for policy 3342-3-01.8, or see http://www.kent.edu/policyreg/chap3/3-01-8.cfm or http://www.kent.edu/policyreg/chap3/upload/3342.3.01.8.pdf ]

Cheating and plagiarism constitute fraudulent misrepresentation for which no credit can be given and for which appropriate sanctions are warranted and will be applied. The university affirms that acts of cheating and plagiarism by students constitute a subversion of the goals of the institution, have no place in the university and are serious offenses to academic goals and objectives, as well as to the rights of fellow students.

"Cheat" means to intentionally misrepresent the source, nature, or other conditions of academic work so as to accrue undeserved credit, or to cooperate with someone else in such misrepresentation. Cheating includes, but is not limited to:

1. Obtaining or retaining partial or whole copies of examinations, tests or quizzes before these are distributed for student use;
2. Using notes, textbooks or other information in examinations, tests and quizzes, except as expressly permitted;

3. Obtaining confidential information about examinations, tests or quizzes other than that released by the instructor;

4. Securing, giving or exchanging information during examinations;

5. Presenting data or other material gathered by another person or group as one's own;

6. Falsifying experimental data or information;

7. Having another person take one's place for any academic performance without the specific knowledge and permission of the instructor;

8. Cooperating with another to do one or more of the above;

9. Using a substantial portion of a piece of work previously submitted for another course or program to meet the requirements of the present course or program without notifying the instructor to whom the work is presented; and

10. Presenting falsified information in order to postpone or avoid examinations, tests, quizzes, or other academic work. “Plagiarize” means to take and present as one’s own a material portion of the ideas or words of another or to present as one’s own an idea or work derived from an existing source without full and proper credit to the source of the ideas, words, or works. As defined, plagiarize includes, but is not limited to:

   a. The copying of words, sentences and paragraphs directly from the work of another without proper credit;

   b. The copying of illustrations, figures, photographs, drawings, models, or other visual and nonverbal materials, including recordings of another without proper credit; and

   c. The presentation of work prepared by another in final or draft form as one's own without citing the source, such as the use of purchased research papers.

**Academic Sanctions, From Section D**
The following academic sanctions are provided by this rule for offenses of cheating or plagiarism. Kent campus instructors shall notify the department chairperson and the student conduct office each time a sanction is imposed. Regional campus instructors shall notify the regional campus dean and the student conduct officer each time a sanction is imposed. Regional campus student conduct officer shall notify the Kent student conduct office each time a sanction is imposed by a regional campus Instructor. The following academic sanctions are provided by this rule for offenses of cheating or plagiarism. In those cases the instructor may:

1. Refuse to accept the work for credit; or
2. Assign a grade of "F" or zero for the project, test, paper, examination or other work in which the cheating or plagiarism took place; or
3. Assign a grade of "F" for the course in which the cheating or plagiarism took place; and/or;
4. Recommend to the department chair or regional campus dean that further action specified in the rule be taken. The department chairperson or regional campus dean shall determine whether or not to forward to the academic dean or to the vice president for the extended university a recommendation for further sanction under this rule.

**Procedures for invoking sanctions (From Section E)**

(1) Academic administrative procedures pertaining to paragraph (D)(1)(a) of this rule. In the event that an instructor determines that it is more probable than not that a student in a course or program under the instructor's supervision has presented work for university credit which involves an act of cheating, plagiarism or cooperation in either, then the instructor shall:

(a) Inform the student as soon as is practical, in person or by mail, of the belief that an act of cheating or plagiarism has occurred. If the student cannot be
reached in a reasonable period of time, the instructor may proceed with sanctions, notifying the student in writing as promptly as possible of the belief and the procedural steps the instructor has taken.

(b) Provide the student an opportunity to explain orally, in writing, or both, why the student believes the evaluation of the facts is erroneous.

(c) If the explanation is deemed by the instructor to be inadequate or if no explanation is offered, the instructor may impose one of the academic sanctions listed in paragraph (D)(1)(a) of this rule. Where appropriate, the instructor may recommend the imposition of academic sanctions listed in paragraph (D)(1)(b) of this rule. In addition, the instructor may refer the matter to the dean of the college, campus, or school in which the student is enrolled for imposition of academic sanctions listed in paragraph (D)(1)(b) of this rule.

(d) The instructor shall notify the office of judicial affairs of the circumstances and action taken. Such notification will be used as background information in the event that formal conduct charges are initiated against the student.

(e) The instructor shall inform the student in writing of the right to appeal, and the procedure to follow.

(f) The instructor shall keep the evidence of cheating or plagiarism in a secure place and provide it upon request to any appeals officer or the conduct officer. The instructor shall provide copies on request to the student at the student's expense.

(g) The instructor shall cooperate with academic and student conduct personnel in any appeal of the decision, and/or in adjudication of any disciplinary proceedings.

**Academic Appeals**

The general principle that applies to the following procedures is that an appeal is directed to the
administrative level immediately above the unit from which the appeal emanates. Appeals are limited to the following reasons:

a. The decision is arbitrary or unreasonable,

b. The decision resulted from a procedural error,

c. The decision is not in accordance with the facts presented,

d. New information is available which may suggest modification of the decision.