SYLLABUS

Catalog Description

Course Number: VCD 46053 and CS 4/57107

Prerequisite: Web Design and Programming-I (CS 4/57106 and VCD 46003), or permission from the instructor, 6K level CS credit is possible through individual studies offered by the CS instructor (Wang)

Course Description

A joint Computer Science (CS) and Visual Communication Design (VCD) project course exploring advanced aspects of web design and programming. Student may pursue individually defined projects or team projects for real clients. Creative combination and integration of art and programming are emphasized through lectures and labs. Limited enrollment (12 max).

Contents:

COMPUTER SCIENCE:

E-commerce, shopping carts, stores
Shipping, payment processing, PayPal
Object-oriented Javascript, Actionscript for Flash CS3
XML for the Web, XSL, XSLT, XLink, XPath
CSS for XML
JavaScript and DOM for XML
Defining XML markup: DTD, Schema
Web services, SOAP/REST, WSDL, RSS, PHP support for writing Web service servers and clients
Synchronized Multimedia Integration Language (SMIL), overview and examples
Scalable Vector Graphics, basics, principles, specification and usage
SVG animation, tools, applications, and advanced features
MathML: Mathematical Markup Language
Web security
Symmetric and public-key encryption, RSA and ECC
Digital signature and message digests
Digital certificates and Certificate Authorities
Secure Socket Layer, OpenSSL, server and client certificates
Apache and OpenSSL support for SSL
Firewalls

**VISUAL COMMUNICATION DESIGN:**

Separating Content And Style
Design for Usability
Dreamweaver CS3
Working with video in i-Movie
Pod Casting
Designing Product Presentations
Designing Payment Systems
How to Conduct Research
Writing Creative Briefs
The Art of Digital Branding
Flash CS3
Design for Mobile Devices

**Term Project:**

On top of performing realistic tasks related to site creation for clients, the course also encourages creativity and novel combination of design and programming.

Students are encouraged to freely express themselves and create experimental artistic/programming effects that may push the envelope. The creative results will be showcased on the course website.

**Course Requirements:**

In-class performance and midterm exam (30%), homework (30%), milestones and finished term project (40%).

**Textbooks:**
References, lecture notes and on-web literature will be used in lieu of textbooks.

Attendance in classes is very important. Team leaders will keep attendance records for each class and report missing team members to the instructors by email. Instructors may take roll calls from time to time. This is to follow new University rules for keeping track of student attendance.

Read the University Cheating and Plagiarism Policy and Help for students with disabilities.

Expectations for Students

WDP-Studio is the third course in the Web Design and Programming (WDP) sequence that includes also WDP-1 and WDP-2. Students are expected to have taken WDP-1 and WDP-2 or have equivalent background. WDP-Studio covers advanced topics and techniques for the Web. The class has different expectations for CS and VCD students as described below.

Expectations for VCD students

- VCD topics: The full list of VCD topics contained in the syllabus that are covered in the course.
- CS topics: E-commerce principles, installing and managing a Web store, creating SMIL pages, principles and Web applications of XML, producing SVG graphics, Web security principles

Expectations for CS students

- VCD topics: It is expected that students keep an open mind, welcoming new and creative design possibilities. I expect that they will turn their ideas into effective, aesthetically and technically elegant solutions for global audiences across multiple devices.
- CS topics: The full list of CS topics contained in the syllabus that are covered in the course.

Registration Requirement

The official registration deadline for this course is 09-13-2009.
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.

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