Web Programming **Fall 2010**

Course number: M&IS 24065
Section: 002
CRN: 13569
Location: BSA 205 **Meeting day:** TR **Meeting Time:** 12:30-1:45

Instructor Name: Professor Janet Formichelli, MS
E-mail: jformich@kent.edu
Office location: BSA A410
Office hours: M 5:00-6:00, TR 2:30-4:00, W 4:15-5:15
Office phone: 330-672-1159 (e-mail preferred)

Course description
An introduction to programming, Web design, systems analysis and databases using XHTML, CSS, PHP and MySQL

Prerequisite: **M&IS 24053, Computer Applications**
Students attending the course who do not have the proper prerequisite risk being deregistered from the class.

Enrollment:
Students have responsibility to ensure they are properly enrolled in classes. You are advised to review your official class schedule (using Student Tools/Flashfast) during the first two weeks of the semester to ensure you are properly enrolled in this class and section. Should you find an error in your class schedule, you have until Sunday, September 12, 2010 to correct the error with your advising office. If registration errors are not corrected by this date and you continue to attend and participate in classes for which you are not officially enrolled, you are advised now that you **will not** receive a grade at the conclusion of the semester for any class in which you are not properly registered.

Course Goals:
- Learn about how systems analysis is used to discover organizational needs and how to propose and design information system solutions.
- Learn about the principles of visual design as applied to Web site interface development.
- Learn the basics of programming and relational databases.
- Learn how to develop a Web-based database-driven interactive information system.

Summary of key components of the course:

Fundamentals

- World Wide Web
- Web browsers
- Web servers
- URLs
- Internet mail extensions
- HTTP

XHTML

- XHTML and HTML
- Basic formatting elements
- Lists
- Links
- Images
- Tables
- Forms
- Cascading Style Sheets

Systems Analysis

- Process of system development
- Systems analysis approaches
- Automated tools
- Project management
- Phases of systems analysis

Relational Databases

- Tables
- Relationships
- Referential integrity
- Schema
- Normalization

SQL

- SELECT
- WHERE
- ORDER BY
- INSERT
- UPDATE
- DELETE

PHP

- Variables and operators
- Controlling program flow
- Arrays
- Functions
- Working with databases and SQL

Textbook

Vaswani, Vikram, PHP: A Beginner's Guide, McGraw Hill, 2009.
ISBN: 978-0-07-154901-1

Other helpful books can be found on Safari, a Web site where many technology books are available in their entirety. As a KSU student, you have access to this site. But from your own computer at home you have to have the KSU VPN installed and turned on. If you do not already have this software on your computer, go to "Instructions for Use of the Server" on Vista.

Two books on Safari that might be helpful for you in this course are:
Robbins, Jennifer Niederst, Web Design in a Nutshell, Third Edition.
and
Williams, Robin. The Non-Designer's Design Book. Third Edition.

Software

As mentioned above, go to Vista and find the file "Instructions for Use of the Server". Besides directions for obtaining the KSU VPN, you will also find instructions for downloading and using the SSH Client software which you will need for this course.

Vista 8.0

The Vista (formerly WebCT) site, http://vista8.kent.edu, will basically manage the course. The syllabus, assignments, Power Point slides, and other course information will be found there. If you need help with Vista 8, there should be some training material on the site after you log on.

Course Requirements

5 assignments: (35 points each)	175 points
3 exams: (50 points each)	150 points
Final project and presentation:	25 points
	350 points

Grading Scale
This scale is followed closely. There is no rounding up if you are close.
There is no extra credit.

A (4.0) 93-100
A- (3.7) 90-92
B+ (3.3) 87-89
B (3.0) 83-86
B- (2.7) 80-82
C+ (2.3) 77-79
C (2.0) 73-76
C- (1.7) 70-72
D+ (1.3) 67-69
D (1.0) 60-66
F (0.0) 0-59

Labs
There will be a lab the last half hour of class on most Thursdays, during which you can work on assignments and also get help from the instructor. The labs will take place in BSA 224. If you elect not to attend labs, please do not expect me to help you during office hours. If you do go to labs and need more help, feel free to come to my office. But I have many students and I am making time for you during class, so please use this time if you need it.

E-mail
When there are schedule changes or other announcements, the instructor will e-mail you using your KSU e-mail address. Check this frequently. If you commonly use another address, forward your Kent e-mail to that address. In your Google e-mail, go to Settings and then Forwarding and POP/IMAP.

Attendance
Missing class is not an excuse for failure to understand material or complete assignments. Material covered in class will not be covered again outside of class. It is up to you to read the material and get notes from another student if you miss class Do not expect any help during office hours or by e-mail if you do not attend class regularly.

Homework Assignments
Assignments are to be submitted to Vista8. Absence from class is not an excuse for not having submitted the assignment. You may re-submit assignments up to the time the assignment is due with no penalty. After that, late assignments will be penalized 10%

per day (not per class session). *Assignments can not be submitted after one week beyond the due date.*

Make-up Exams
Make-up exams are given only under extraordinary circumstances. Inform the instructor as soon as possible (ideally before the exam). Some form of written excuse for absence from an exam is required.

Academic Honesty
University Policy: Cheating means to misrepresent the source, nature, or other conditions of your academic work (e.g., tests, papers, projects, assignments) so as to get undeserved credit. The use of the intellectual property of others without giving them appropriate credit is a serious academic offense. It is the University's policy that cheating or plagiarism result in receiving a failing grade for the work or course. Repeat offenses result in dismissal from the University.

Course Policy: Academic honesty is expected and required. HELPING fellow students is acceptable, and is actually a very good way to learn the material (particularly with debugging programs). COPYING is NOT acceptable, and will result in loss of credit for the assignment, and possibly failure of the course for all students involved. Follow these guidelines: All work on the design and basic coding phase of a program should be your own. That is, sitting in a group writing a program together is considered to be copying. If you receive help with debugging part of an assignment, then you must acknowledge that help in the documentation of that section (your grade will not be affected). If you give help to another student, then it is your responsibility to make sure that they fully understand the concepts. You may help them to debug the program, but you may not give them code. If copying programs is suspected, both (or all) students involved willreceive zeros for that assignment at the least, and possibly a failure for the course. DO NOT GIVE OTHERS YOUR CODE. If they ask you for it, ask to see theirs instead and help them debug.

Students with Disabilities
University policy 3342-3-18 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 the Student Accessibility Services (contact 330-672-3391 or visit www.kent.edu/sas for more information on registration procedures).

Graduation

It is your responsibility to apply for graduation before the set deadline. If you apply after the deadline you will be assessed a $200 late fee. Please see your academic advisor as soon as possible if you are uncertain as to your progress toward graduation. The graduation application deadlines are follows:

Graduation Application Deadlines:

May Graduation: Apply before September 15th

August Graduation: Apply before December 15th

December Graduation: Apply before March 15th

To apply for graduation complete the following steps:

1. Log onto your Flashline account
2. Click on the Student Tools tab
3. Look in the Graduation Planning Tool Box
4. Click on Application for Graduation

**If an error message appears, you must contact your advisor.

See Tentative Schedule Below

Web Programming **Tentative Schedule Fall 2010**

Week 1	Tuesday	Aug. 31	XHTML Fundamentals	
	Thursday	Sept. 2	XHTML Fundamentals XHTML and HTML	
Week 2	Tuesday	Sept. 7	XHTML Basics	
	Thursday	Sept. 9	XHTML Basics; SSH	lab
Week 3	Tuesday	Sept. 14	XHTML Images, Tables	
	Thursday	Sept. 16	XHTML Accessibility	lab
	Friday	Sept. 17	11:59 PM	**Assignment 1**
Week 4	Tuesday	Sept. 21	XHTML CSS	
	Thursday	Sept. 23	XHTML CSS	lab
Week 5	Tuesday	Sept. 28	XHTML CSS, XHTML Forms	
	Thursday	Sept. 30	XHTML Forms	lab
Week 6	Tuesday	Oct. 5	XHTML Forms	lab
	Thursday	Oct. 7		**Exam 1--XHTML**
Week 7	Tuesday	Oct. 12	PHP1	
	Thursday	Oct. 14	PHP2	lab
	Friday	Oct. 15	11:59 PM	**Assignment 2**
Week 8	Tuesday	Oct. 19	PHP3	
	Thursday	Oct. 21	PHP3	lab
Week 9	Tuesday	Oct. 26	PHP3	
	Thursday	Oct. 28	PHP3	lab
	Friday	Oct. 29	11:59 PM	**Assignment 3**
Week 10	Tuesday	Nov. 2	PHP4	
	Thursday	Nov. 4	PHP4	lab
	Sunday	Nov. 7	*Last Day to Withdraw*	
Week 11	Tuesday	Nov. 9	MySQL	
	Thursday	Nov. 11	*NO CLASS--VETERAN'S DAY*	lab
	Friday	Nov. 12	11:59 PM	**Assignment 4**
Week 12	Tuesday	Nov. 16		**Exam 2--PHP & MySQL**
	Thursday	Nov. 18	Database	lab
Week 13	Tuesday	Nov. 23	Database; Info Sys Developme	lab
	Thursday	Nov. 25	*NO CLASS--THANKSGIVING*	
Week 14	Tuesday	Nov. 30	Project Management	
	Thursday	Dec. 2	Systems Analysis	lab

Week 13	Tuesday	Nov. 23	Database; Info Sys Developme	lab
	Thursday	Nov. 25	*NO CLASS--THANKSGIVING*	
Week 14	Tuesday	Nov. 30	Project Management	
	Thursday	Dec. 2	Systems Analysis	lab
	Friday	Dec. 3	11:59 PM	**Assignment 5**
Week 15	Tuesday	Dec. 7	Systems Analysis	
	Thursday	Dec. 9	Course Evaluation	**Exam 3--Sytems Analysis**
Week 16	Thursday	Dec. 16	12:45 - 3:00 PM	**Presentations**