

Web Programming Fall 2011

Course number: M&IS 24065

Section: 002

CRN: 23080

Location: BSA 110

Meeting Day: TR

Meeting Time: 12:30-1:45

Instructor Information:

Name: Professor Janet Formichelli, MS

E-mail: jformich@kent.edu

Office Location: BSA A410

Office Hours: TR 2:00-3:30, T 5:00-6:00, W 4:15-5:15

Office Phone: 330-672-1159, during office hours (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 11, 2011 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

Textbooks:

Jennifer Niederst Robbins, Web Design in a Nutshell, Third Edition, O'Reilly Media, 2006. ISBN 978-0-596-00987-8

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. Go to Flashline's Courses tab, scroll down and the link is on the left. 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.

One book on Safari that might be helpful for you in this course is: 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. Later in the course there will be instructions for downloading xampp, which will let you run PHP on your own computer.

Vista 8.0:

The Vista 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)	<u>150 points</u>
Total:	325 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. If copying programs is suspected, both (or all) students involved will receive 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:

		Tentative Schedule Fall 2011			
Week 1	Tuesday	Aug. 30	XHTML Fundamentals		
	Thursday	Sept. 1	XHTML Fundamentals		
			XHTML and HTML; SSH	lab	
Week 2	Tuesday	Sept. 6	XHTML Basics		
	Thursday	Sept. 8	XHTML Basics	lab	
Week 3	Tuesday	Sept. 13	XHTML Images, Tables		
	Thursday	Sept. 15	XHTML Accessibility	lab	
	Friday	Sept. 16		Assignment 1	
Week 4	Tuesday	Sept. 20	XHTML CSS		
	Thursday	Sept. 22	XHTML CSS	lab	
Week 5	Tuesday	Sept. 27	XHTML CSS		
	Thursday	Sept. 29	XHTML Forms	lab	
Week 6	Tuesday	Oct. 4	XHTML Forms		
	Thursday	Oct. 6	Exam 1--XHTML		
Week 7	Tuesday	Oct. 11	PHP1		
	Thursday	Oct. 13	PHP2	lab	
	Friday	Oct. 14		Assignment 2	
Week 8	Tuesday	Oct. 18	PHP3		
	Thursday	Oct. 20	PHP3	lab	
Week 9	Tuesday	Oct. 25	PHP3		
	Thursday	Oct. 27	PHP3	lab	
	Friday	Oct. 28		Assignment 3	
Week 10	Tuesday	Nov. 1	PHP4		
	Thursday	Nov. 3	PHP4	lab	
	Sunday	Nov. 6	<i>Last Day to Withdraw</i>		

Week 11	Tuesday	Nov. 8	PHP4, PHP5		
	Thursday	Nov. 10	MySQL	lab	
	Friday	Nov. 11		Assignment 4	
Week 12	Tuesday	Nov. 15	MySQL		
	Thursday	Nov. 17	Database	lab	
Week 13	Tuesday	Nov. 22	Exam 2--PHP & MySQL		
	Thursday	Nov.24	<i>NO CLASS--THANKSGIVING</i>		
Week 14	Tuesday	Nov. 29	Database		
	Thursday	Dec. 1	Info Sys Development	lab	
	Friday	Dec. 2		Assignment 5	
Week 15	Tuesday	Dec. 6	Project Management		
	Thursday	Dec. 8	Systems Analysis		
Week 16	Friday	Dec. 16	Exam 3—Systems Analysis		
		12:45-3:00 PM			