

Web Programming

Spring 2010

Course number: M&IS 24065

Section: 001/ 002

CRN: 11441/13343

Location: BSA 205/BSA 324 **Meeting day:** TR

Meeting time: 2:15-3:30 PM/5:30-6:45 PM

Instructor Name: Professor Janet Formichelli, MS

E-mail: jformich@kent.edu

Office location: BSA A410

Office hours: TR: 12:45-2:00 PM, 4:00-5:15 PM

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, January 31, 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 you have to have the KSU VPN installed and turned on. If you do not already have this software on your computer, go to <http://www.kent.edu/is/Network/KSU-VPN-Instructions.cfm> for instructions on downloading and using the VPN. When you have it downloaded you also have to activate it to access KSU content. So after the VPN is activated, go to Flashline, <http://flashline.kent.edu> and choose the Courses tab. Scroll down and on the left you will see Safari. Put in the name of the textbook in the search text box and you can read the entire text online.

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.

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:	<u>25 points</u>
	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 most Thursdays during which you can work on assignments and also get help from the instructor. The labs will take place in BSA 224.

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 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).

See Tentative Schedule Below

Web Programming		Tentative Schedule Spring 2010		
Week 1	Tuesday	Jan. 19	XHTML Fundamentals	
	Thursday	Jan. 21	XHTML Fundamentals	
			XHTML and HTML	
Week 2	Tuesday	Jan. 26	XHTML Basics	
	Thursday	Jan. 28	XHTML Basics; SSH	lab
Week 3	Tuesday	Feb. 2	XHTML Images, Accessibility	
	Thursday	Feb. 4	XHTML CSS	lab
	Friday	Feb. 5	11:59 PM	Assignment 1
Week 4	Tuesday	Feb. 9	XHTML CSS	
	Thursday	Feb. 11	XHTML CSS	lab
Week 5	Tuesday	Feb. 16	XHTML Tables, XHTML Forms	
	Thursday	Feb. 18	PHP1	lab
Week 6	Tuesday	Feb. 23		Exam 1--XHTML
	Thursday	Feb. 25	PHP1	lab
	Friday	Feb. 26	11:59 PM	Assignment 2
Week 7	Tuesday	Mar. 2	PHP2	
	Thursday	Mar. 4	PHP3	lab
Week 8	Tuesday	Mar. 9	PHP4	
	Thursday	Mar. 11	PHP4	lab
Week 9	Tuesday	Mar. 16	PHP5; Database Concepts	
	Thursday	Mar. 18	Database Concepts	lab
	Friday	Mar. 19	11:59 PM	Assignment 3
Week 10	Tuesday	Mar. 23	MySQL	
	Thursday	Mar. 25	MySQL	lab
	Tuesday	Mar. 31	Spring Break	
	Thursday	Apr. 2	Spring Break	
	Sunday	Apr. 4	Last Day to Withdraw	
Week 11	Tuesday	Apr. 6	MySQL	
	Thursday	Apr. 8	MySQL	lab
	Friday	Apr. 9	11:59 PM	Assignment 4

Web Programming		Tentative Schedule Spring 2010		
Week 1	Tuesday	Jan. 19	XHTML Fundamentals	Non-Designer's Design--Pr
	Thursday	Jan. 21	XHTML Fundamentals	Non-Designer's Design--Ali
			XHTML and HTML	
Week 2	Tuesday	Jan. 26	XHTML Basics	Non-Designer's Design--Re
	Thursday	Jan. 28	XHTML Basics; SSH	
Week 3	Tuesday	Feb. 2	XHTML Images, Accessibility	Non-Designer's--Web Sites
	Thursday	Feb. 4	XHTML CSS	
	Friday	Feb. 5	11:59 PM	Assignment 1
Week 4	Tuesday	Feb. 9	XHTML CSS	Non-Designer's Design--Co
	Thursday	Feb. 11	XHTML CSS	
Week 5	Tuesday	Feb. 16	XHTML Tables, XHTML Forms	
	Thursday	Feb. 18	PHP1	
Week 6	Tuesday	Feb. 23		Exam 1--XHTML
	Thursday	Feb. 25	PHP1	
	Friday	Feb. 26	11:59 PM	Assignment 2
Week 7	Tuesday	Mar. 2	PHP2	
	Thursday	Mar. 4	PHP3	
Week 8	Tuesday	Mar. 9	PHP4	
	Thursday	Mar. 11	PHP4	
Week 9	Tuesday	Mar. 16	PHP5; Database Concepts	
	Thursday	Mar. 18	Database Concepts	
	Friday	Mar. 19	11:59 PM	Assignment 3
Week 10	Tuesday	Mar. 23	MySQL	
	Thursday	Mar. 25	MySQL	
	Tuesday	Mar. 31	Spring Break	
	Thursday	Apr. 2	Spring Break	
	Sunday	Apr. 4	Last Day to Withdraw	
Week 11	Tuesday	Apr. 6	MySQL	
	Thursday	Apr. 8	MySQL	
	Friday	Apr. 9	11:59 PM	Assignment 4
Week 12	Tuesday	Apr.13		Exam 2--PHP & MySQL
	Thursday	Apr. 15	Info Sys Development	
Week 13	Tuesday	Apr. 20	Info Sys Development	
	Thursday	Apr. 22	Project Management	

Week 12	Tuesday	Apr.13		Exam 2--PHP & MySQL
	Thursday	Apr. 15	Info Sys Development	
Week 13	Tuesday	Apr. 20	Info Sys Development	
	Thursday	Apr. 22	Project Management	
Week 14	Tuesday	Apr. 27	Project Management	
	Thursday	Apr. 29	Systems Analysis	
	Friday	Apr. 30	11:59 PM	Assignment 5
Week 15	Tuesday	May 4	Course Evaluation	Exam 3--Sytems Analysis
	Thursday	May 6	Go over Exam 3	
Week 16				
section 001	Wednesday	May 12	12:45 - 3:00 PM	
section 002	Tuesday	May 11	5:45 - 8:00 PM	