

M&IS 24065 - 001

Web Programming

Fall 2015

CRN: 15778

Instructor Dr. Natalia Dragan ndragan at kent dot edu

Office: BSA A407

Office hours: TBD

Course Location BSA 213

Course Time TR 9:15 AM – 10:30 AM

Course Description

An introduction to programming, Web design and databases using HTML, JavaScript, PHP, and MySQL

Prerequisite M&IS 24053

Students in the course who do not have the proper prerequisite risk being deregistered from the class.

Course Objectives

To learn how to create database driven interactive websites.

- To learn about and use the principles of visual design as applied to Web site interface development using HTML
- To learn the basics of programming in JavaScript and PHP, how to process Web forms and access relational databases using MySQL

Summary of Key Components

- The Internet
- HTML
- JavaScript, PHP
- Database and MySQL

- Complete Website

Learning Outcomes

You will learn how to:

- Build a user interface
- Develop a database driven interactive website
- Think about and design programming logic
- Use relational database
- Use these technologies:
 - HTML
 - JavaScript
 - PHP
 - MySQL

What You are Expected to Bring to the Table

- energy
- dogged determination
- no fear or anxiety
- interest in the subject
- willingness to ask questions
- willingness to try
- willingness to put in the time required to learn programming

NOTE: To do well in this course you must pace yourself through the semester. There are 20 homework, four quizzes, a project and a final exam. Programming cannot be learned by cramming on the due date. If you are not willing to put in the time needed to learn programming this course is not for you. If you are truly willing to apply yourself you may be amazed at what you can accomplish.

Textbook

The textbook is on the course website (e-book) and is provided by the instructor (**required**). *Programming the World Wide Web, Robert W. Sebesta, 7th Edition, Pearson Education, ISBN-10: 0-13-266581-6, ISBN-13: 978-0-13-266581-0 (optional).*

Software

You will need to install the WAMP web server (if you have a PC) or MAMP web server (if you have a Mac). Both are free and can be found at:

WAMP: <http://www.wampserver.com/en/>

MAMP: <http://www.mamp.info/en/index.html>

Five assignments plus the final project require you have a computer operating as a server. Generally the installation goes smoothly but some students have difficulties. It is suggested that you download and install WAMP or MAMP without delay. The College and University do not provide computers operating as servers; that is your responsibility. You will also need to use a text editor like NOTEPAD (PC) or TextEdit (Mac). Any text editor (not a word processor or RTF editor) you like is fine.

Course Organization

Course Website

The course website requires an access code that the instructor will provide you. Use the website (gobobgo.net) to:

- Access course material
- Learn about assignment requirements and due dates
- Submit your work
- Learn your current status and grade computation

Homework Assignments

Computer programs either work or they do not. Therefore no partial credit is given for individual programs. The weight and due date of each assignment/project/final exam will be given on the course website (gobongo.net).

Each assignment includes multiple programs or HTML segments so each is scored as 0% or 100%. The weighted average of all parts determines the assignment's grade. All assignments are due at 11:59 PM on the date given.

Complete and test all of your work on your computer before submitting it for grading. Remember, there is no partial credit for individual programs. Get it right before turning it in.

The assignments are scheduled in this order:

HTML A - GETTING STARTED
HTML B - STYLE, IMAGE, HYPERLINK
HTML C - STYLE, CLASSES, TABLE
HTML D - FORMS AND DATA OBJECTS
HTML QUIZ

JAVASCRIPT A - GETTING STARTED
JAVASCRIPT B - ARITHMETIC AND LOGIC, FUNCTIONS
JAVASCRIPT C - ARRAYS, FORM DATA, LOCAL STORAGE
JAVASCRIPT D - STRINGS, ARRAYS, LOGIC, FUNCTIONS
JAVASCRIPT E - ARRAY, LOGIC, LOCAL STORAGE

JAVASCRIPT F - ARRAY, LOGIC, LOCAL STORAGE
JAVASCRIPT G - ARRAYS, LOCAL STORAGE, FUNCTIONS
JAVASCRIPT QUIZ

PHP A - SERVER TEST
PHP B - GETTING STARTED
PHP C - LOGIC AND LOOPS, FUNCTIONS

PHP D - ARRAYS
PHP E - PHP ON YOUR SERVER
PHP F - STRINGS
PHP G - FILE OPERATIONS
PHP H - FILE OPERATIONS AND LOGIC
PHP QUIZ

MYSQL A - SQL / DML
MYSQL B - GETTING STARTED
MYSQL C - SELECT AND UPDATE RECORDS
MYSQL D - MYSQL ON YOUR SERVER #1
MYSQL E - INSERT A RECORD AND DATA ANALYSIS
MYSQL F - MYSQL ON YOUR SERVER #2
MYSQL G - MYSQL ON YOUR SERVER #3
MYSQL QUIZ

FINAL EXAM
FINAL PROJECT

Quizzes

There will be 4 quizzes – one for each general topic. The quizzes are similar to the assignments/examples and cover topics from the e-book chapters.

Final Project

You will create a database and HTML/PHP pages. More details will be given on the course website.

Final Exam

There will be one final exam during the course. There will be several functions for you to write. You will need to create a test database and test records. More details will be given before the exam on the course website.

Labs/Practice

There will be a lab/practice the last fifteen minutes/half hour of class most weeks, during which you can work on examples and also get help from the instructor and your classmates. There will be a few scheduled labs that 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 work during labs time and need more help, feel free to come to my office.

Topic Schedule in Sequence

1. Introduction: The Internet
2. HTML
3. HTML/ JavaScript
4. PHP
5. Database
6. MySQLs
7. PHP/MySQL
8. Complete Website

Detailed Schedule with topics and due dates will be posted on **gobobgo.net**.

To Make Your Life Easier Do These

- Do the current assignments - do not delay
- When doing assignments do exactly as directed
- Do not read anything into the assignments that is not specified
- Go beyond what the assignments require. Experiment and try to stretch or at least certify that you understand what was presented and expected of you.

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.

Grading

Grading Scale

This scale is followed closely. Anything above .5 will be rounded up. Nothing else will be rounded up, no matter how close. There is no extra credit.

Once I have completed grading for the semester I will enter grades into Learn and on FlashLine. Per university policy, "once grades are submitted, they are final and will not be changed except in the cases of administrative error". There are no exceptions to this policy.

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

About Your Grade

Your grade is the weighted average of all assignment grades. See course website for assignment weights. Some assignments may be submitted multiple times. The number of submissions is not the same for each assignment. See course website for details. The last grade (not necessarily the highest) for each assignment is the one that counts.

Lateness

The following are the Kent State accepted excuses for absence and late submission of assignments. No other excuses are accepted.

1. sickness with medical note
2. athletic event - with coach's note
3. religious observation
4. military responsibility with documentation
5. death in family with documentation

Notice about Help

I am happy to help. The best way to get help is to email me a question.

EMAIL COMMUNICATION WITH THE INSTRUCTOR - READ CAREFULLY

Communicate with your instructor using e-mail. There are some rules that you must observe. Follow these **guidelines**:

Use the e-mail address shown at the top of this syllabus. No other e-mail addresses are used by the instructor.

Do not send attachments of your work to your instructor unless specifically invited to do so.

Make sure that your spelling and grammar are correct.

Get to the point. Do not be long-winded. No jumbled verbiage.

Be organized. Be clear.

Be honest.

Use proper English - no slang.
DO NOT TYPE IN ALL CAPS!
Be respectful.
Say who you are.
Be patient. Allow 24 - 48 hours for a reply.

The instructor will not answer email:

About an assignment on the due date for that particular assignment.
On weekends or evenings.
Written in a rude or demanding way.
That contains "ASAP".
That begins with "Hey"

Code Hygiene

To be blunt and direct: the cleanliness, clarity, and structure of your work will have a direct impact on:

- Whether or not your programs work
- Your grade

Read all documents on the course website in RESOURCES / YOU NEED TO KNOW.

Academic Honesty

College of Business 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. In addition, it is considered to be cheating when one cooperates with another in any such misrepresentation. 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 may result in dismissal from the University.

Course Policy

Collaboration

You are encouraged to discuss course material and assignments with other students. You will learn a lot more if you talk with other students. There is no better way to learn than to share what you know and ask questions of others. Do not hesitate. Please remember, however, that your work must be yours and not a 'copy and paste' of someone else's work.

HELPING fellow students is acceptable. 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 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 WORK.

Course Withdrawal

The course withdrawal deadline is Sunday, November 8, 2015.

Students with Disabilities

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).

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) 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 13, 2015 to correct the error with your advising office. If registration errors are not corrected by this date and you continue to 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.