E-mail: wolk@fordham.edu  Office Hours  Rose Hill  Tue  11AM - 1PM Thursday 4PM-6PM jmh 303

***** COURSE AGENDA *****

Class Meets  M, T, W, R 1:00PM-4:00 PM

REQUIRED:


Hardcopy version is in bookstore

RECOMMENDED:

1) Robin Nixon, " Learning PHP, MySql, Javascript,CSS- A Step-By Step Guide to Creating Dynamic Web Pages

2)Also a set of slides from Stanford University for the Javascript and CSS  for more in depth development

Both 1) and 2) above recommended items Available in pdf downloadable version

I will be using a series of powerpoint slides based upon the detailed material the University of Washington, and also from time-to-time the STanford University slides. I have also created my own original applications which substantially extend and supplement the text and slide material.

COURSE OBJECTIVES

This course provides an introduction to the concepts of web programming,interactive processing , web designing and database management integrating different tools such as HTML, CSS, JavaScript, PHP and MySQL. Students will learn how to develop and manage an interactive and dynamic websites and pages stand-alone and interactive using PC based resources and web browsers, dedicated client server embedded connections. The principal development and design lecture demonstration and interactive student participation will include: Design static web pages and interactive dynamic web based interfaces using HTML and CSS, javascript and php. Design ,create ,manage and manipulate database using MySQL. and maintain and create an interactive website using PHP.

HANDS-ON CLASS PARTICIPATION

Course content will evolve from a demonstration of web-based fundamentals which will gradually develop the material, and there will be problems within the demos which will be assigned for homework. The objective is to build from the slides and use the text as a cook- book style reference for more in-depth development and other problem assignments.

The course assumes no prior detailed background in programming, systems programming, operating systems and web and network fundamentals- only a very elementary working knowledge of how to use a PC. The techniques of interactive web design, client-server connections, network fundamentals , web operating environments , database connectivity and web page based scripting for interactive web object manipulation will be covered assuming no prior background in these subjects.
COURSE CONTENT
Each item will be covered in one daily three hour class session

Introduction to the Internet and WWW.
- History of the Internet
- Infrastructures of Internet
- Web Server
- Protocols
- Web Pages

HyperTexts Markup Language (HTML)
- Basic elements
- Attributes
- Headings
- Paragraphs
- Formatting
- font
- Links
- Images
- List, Tables, Tabs, div tags

HTML (Continuation)
- Frame
- Forms
- Text
- Select/Option
- Button
- Textarea
- Checkbox
- Radiobutton
- Submit/Reset

HTML Web Projects

Cascading Style Sheet (CSS)
- Introduction to CSS
- Inline CSS
- Internal CSS
- External CSS
- Syntax format
- CSS Classes
- CSS ID
- Style properties
- Background
- Text Properties

CSS (Continuation)
- Style Properties
- More Div Properties
- Div Position/Layout
- Border
- Margins
- Padding
- Animation/Effects
- all of the class options, div tag options, id options

JAVASCRIPT
- Introduction
- Statements and Comments
- Basic Syntax
- Variables
- Operators
- Comparisons
- If..Else statement
- Switch Statement

JavaScript (Continuation)
- Alert and Prompt
- Functions
- Objects
- For Loop
- While Loop
- Break Loops
- Event Handlers

JavaScript (Continuation)
- Working with Forms
- Working with Images and Links
- Document Objects
- Array
- Math, Numbers and Date object
- Document Object Model
- file processing, string processing

JavaScript Web Project
- Aliasing and Linking HTML elements with javascript, variable scope

PHP (PHP Hypertext Preprocessor)
- Introduction
- Installation
- Syntax
- Variables
- Strings
- Operators

PHP (Continuation)
- If..Else statement
- Switch
- Arrays
- While Loop
- For Loop
- Functions
- Forms
- $_GET
- $_POST
- file processing, interactive processing, embedded html, object-oriented processing, embedded php within HTML, all of the form elements and posting form elements to active php pages

MySQL Database
- Introduction to MySQL
- Installation
- Manage User
- Creating Database
- Creating Tables
- Creating Queries

MySQL Database (Continuation)
- NaviCat, MySQL GUI
- More sql commands
- Insert
- Update
- Delete
- Joins
- Unions
- More sql functions

PHP Database
- Introduction
- MySQL connect
- MySQL create
- MySQL Insert
- MySQL select
- MySQL where
- MySQL order by
- MySQL update
- MySQL delete

Web Page Templates
CISC-2350 -- Summer 2018 Information and Web Programming  Professor Larry Wolk, page 3

- Introduction to templates
- Creating web page templates
- Downloading of Templates from the Internet
- Modifying the templates cookies

Domain and Hosting
- Introduction to Domains and Hosting
- Search for free domain
- Register domain
- Upload website
- Manage web pages
- Security

Determination Of Course Grade:
LAB-WORK/HOMWORK, PROJECT/ ATTENDANCE 30% /5 % respectively
MID-TERM Exam – 30 %
FINAL EXAM – 35% Same format as Mid-Term, Comprehensive

Attendance and Class Participations Taken Into Consideration in Borderline Cases.

Academic Integrity Policy and Procedures:
Students are required to conform with Fordham University’s Academic Integrity Requirements regarding appropriate student conduct in pursuit of academic objectives in the classroom, conducting research in preparation of papers, development of original work, proper quotation of external sources of research in all prepared writings and problem solutions, class attendance and professionalism.

Statement of Academic Integrity:
“As a student of Fordham University, I recognize that I am part of a community dedicated to the disciplined and rigorous pursuit of knowledge and communication of truth. I therefore commit myself to the University Code of Conduct and upholding the highest standards of academic integrity. Any work that I claim to be my own will be my own; I will give appropriate credit where credit is due; I will be fair and honest in all of my interactions with members of the Fordham community.”

Attendance Policy: In accordance with Federal Law, attendance must be accurately recorded and monitored. Class attendance will be taken during each period. Leaving after the break shall be treated as ½ attendance. More than 2 full sessions of absence will have a major negative impact on your grade.

Final Exam Date: Will be announced during the semester. No alternate arrangements are permitted in accordance with University regulations.