

COP 3813 Introduction to Internet Computing Section 002/Spring 2011

Course Description:

This course teaches students how to design and develop Web sites at the introductory to intermediate level. The course is project oriented. Students are required to finish several Internet-based projects using the tools introduced in class.

Textbook:

Internet & World Wide Web How to Program, 4th ed., Deitel & Deitel, Prentice Hall, 2008.

Reference:

Finding relevant **URL**'s by netsurfing.

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Office hours: M, W: 9:00 am – 12:00 noon; other times by appointment.

Course objectives:

To understand the essential components that underlie the Internet. Students will learn how to do Web authoring and Web programming at the introductory to intermediate level. More specifically,

1. To learn the basic concepts of the Internet.
2. To learn how to search, collect, and organize information obtained from the Internet.
3. To learn how to do Web authoring in HTML, and/or using tools.
4. To learn how to create dynamic Web pages using a programming tool.
5. To learn how to do Web programming at the introductory to intermediate level.
6. To learn how to design and implement an Internet-based, client/server systems

Prerequisites:

1. COT 3002 Foundations of Computer Science
2. COT 3002L Foundations of Computer Science Lab

Major topics:

1. Introduction
2. WWW
3. HyperText Markup Language
4. Cascading Style Sheets
5. JavaScript Language
6. Dynamic HTML

7. CGI programming
8. PHP
9. Other topics

Homework & tests:

Reading assignments will be given on a weekly basis. Exercises may be given at the end of each topic. There will be several programming projects. One of them will be your term project. There will be two exams: midterm and final. Your final is scheduled to be on May 12, 2011. Details about homework assignments and exams will be discussed in class later. There will be in-class student presentations on the current internet technologies. Presentation topics may either be assigned or chosen by students.

Grading:

Your final grade will be based on the scores you have earned from your homework assignments, term project, presentation, and exams, compared to the performance of other students in the class. The percentage of each category toward the final grade will be announced in class later.

Note:

All assignments are due at the beginning of the class on the assigned due date. No late assignment will be accepted without advance permission or a very convincing reason with relevant documentation. You may work on any system to which you have access. However, all final versions of your work must be able to run on our departmental UNIX/LINUX systems, unless otherwise specified. Submission of homework assignments will be done electronically either via the instructor's Web page or by accessing the following URL directly. Follow the screen prompts.

<http://student.cse.fau.edu/~hwsam/student/index.html>

All work in this course must be **INDIVIDUAL** effort unless otherwise specified.