

COURSE OUTLINE OF RECORD

Dept., Number	CSC 2184	Course Title	Internet Lab
Semester Hours	1		
Year	2006	URL (if any):	

Current Catalog Description:

This course introduces students to basic tools used to access various resources on the Internet.
Prerequisites: CSC 1311

Textbook:

“Exploring the Internet with Microsoft Internet Explorer 5.0 and FrontPage 2000”, 2000; Gretchen Marx, Prentice Hall

Course Goal:

To teach students to use Internet tools to understand and use the Internet resources such as search engines, multimedia, E-commerce, and web page development tools.

Prerequisite by Topic:

Computer Programming II

Major Topics Covered in the Course (number of weeks):

- Cyberspace: The Internet and the World Wide Web(1,5)
- Search Engines: Search and Retrieval on the Web (1,5)
- Outlook Express: Global Communication with Mail and News (1,5)
- Cyberspace: Multimedia and E-Commerce(1,5)
- Future of the Internet: Advanced Search Techniques(1,5)
- Beyond the Web: Traditional Internet Services(1,5)
- Creating A Home Page: Introduction to FrontPage(1,5)
- Creating A Web Site: Advanced FrontPage Features(1,5)

Laboratory Projects:

8 Project assignments (1 week for each assignment)

Estimate Curriculum Category Content (Semester hours)

Area	Core	Advanced	Area	Core	Advanced
Algorithms			Data Structures		
Software Design			Prog. Languages		
Comp. Arch.			Software Engineering	1	

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Oral and Written Communication:

Every student is required to submit at least 1 written report (not including exams, tests, quizzes, or commented programs) of typically 8 pages and to make 1 oral presentation of typically 10-15 minutes in duration.

Social and Ethical Issues:

Students are required to read at least two different articles for class review and discussion. Open class discussion is lead by instructor and all students are required to give input.

Theoretical Content:

Analog and digital signaling concepts, data Encoding techniques, circuit multiplexing methods, circuit and packet switching concepts, network systems and data routing, protocols and architectures.

Problem Analysis:

Students are asked to analyze the differences between asynchronous and synchronous communication models, circuit and packet switching systems, data encoding methods, error detection and correction methods, protocols, transmission media, and basic computer network technology.

Open-Ended Design:

None is required for this course.