

Global Learning Semesters

Course Syllabus

Course: COMP-470 Internet Technologies

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
COMP-470	Internet Technologies	3
Semester Offered	Contact Hours	Prerequisites
As needed	42	COMP-358 Networks and Data Communications
Department	Level of Course	Language of Instruction
Computer Science	Upper Division	English

Course Description

The course covers: TCP/IP protocol suite, TCP/IP socket programming fundamentals, internet services and protocols with an emphasis on HTTP. Also course covers various WEB related technologies, development principles and methodologies, as well as programming and scripting languages and tools. In the conclusion students will be offered a critical study of current research and developments related to the www.

Instructor

Dr Charalambos Christou

Course Aims and Objectives

To provide a theoretical understanding of modern Internet Technologies.

Teaching Methods

The course is delivered through a mixture of lectures and assignments.

Course Teaching Hours

42 hours. The course may be scheduled for either the fall or spring semester in 14-weeks (3 hours/week).

Evaluation and Grading

Homework/Attendance/Participation:	5%
Quizzes/ Projects/Assignments:	10%
Tests:	35%
Final Exam:	50%

Readings and Resources

Required Textbook

Deitel, M. and Deitel, P.J. Internet and World Wide Web – How to Program, Prentice Hall, 2000, ISBN: 0-13-016143-8.

Krishnamurthy, B. and Rexford, J. Web: Protocols and Practice, Addison Wesley, 2001, ISBN: 0-20-171088-9

Recommended Reading

Sebesta, W.R, Programming the World Wide Web, Addison Wesley, 2002, ISBN: 0-201-70484-6

Hall, M. and Brown, L., Core Web Programming, Prentice Hall, 2001, ISBN: 0-13-089793-0

Low, D, and Hall, W. Hypermedia & the Web, John Wiley, 1999.

McLaughlin, B. and Loukides, M. Java and XML, O'Reilly Associates, 2000, ISBN: 0596000162.