

Global Learning Semesters

Course Syllabus

Course: COMP-471 Internet Technologies Lab

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
COMP-471	Internet Technologies Lab	1
Semester Offered	Contact Hours	Prerequisites
As needed	14	COMP-255 C++ Language Programming
Department	Level of Course	Language of Instruction
Computer Science	Upper Division	English

Course Description

Topics covered include: TCP/IP socket programming, routing, Internet Security and introduction to firewall building and configuration for various platforms. A special emphasis is given to WEB design and related technologies, covering HTML, client side scripting using JavaScript and VBScript, CGI application development using different platforms, XML, and custom markup languages. The course concludes with the analysis of popular platforms for distributed application development.

Instructor

Dr Charalambos Christou

Course Aims and Objectives

This lab accompanies COMP-470 Internet Technologies. The purpose of the lab is to allow students to get practical hands-on experience in the Internet related topic areas they are taught in class.

Teaching Methods

The course is delivered through lab presentations, lab tutorials and practical exercises and assignments.

Course Teaching Hours

14 hours. The course may be scheduled for either the Fall or Spring semester in 14-weeks (1 hour/week).

Evaluation and Grading

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

Readings and Resources

Required Textbook

There is no specific textbook for this Lab. Students will be using the books required in the co-requisite COMP470 as well as on-line resources.

Recommended Reading

Donahoo, J.M., and Calvert, K.L, TCP/IP sockets in C, Practical Guide for Programmers, Morgan Kauffman, 2001, ISBN: 1-55860-826-5