Global Learning Semesters
Course Syllabus
Course: COMP-324 Programming the Internet
Department: Computer Science
Host Institution: University of Nicosia, Nicosia, Cyprus

Course Summary		
Course Code	**Course Title**	**Recommended Credit Hours**
COMP-324	Programming the Internet	3
Semester Offered	**Contact Hours**	**Prerequisites**
Please contact us	42-45	None
Department	**Level of Course**	**Language of Instruction**
Computer Science	Upper Division	English

Course Description

The course is designed to help students obtain the knowledge and necessary skills to design and set up Internet/Intranet applications and develop interactive Internet/Intranet WEB based applications as well. ASP and ASP.NET have been chosen as the development platforms. The course covers such topics as introduction to TCP/IP, configuring secure Windows 2000 hosts; Domain Name System, Name server configuration and management, WEB server configuration and management, ASP scripting and ASP.NET.

Prerequisites

None

Topic Areas

1. Networking Protocols. OSI model. TCP/IP. Addressing. Routing. TCP/IP Networking and sub-networks. TCP/IP Services (DNS, DHCP, FTP, WWW, telnet)
2. Domain Name System. Name servers. WWW. WEB servers. Apache WEB server. Microsoft IIS.
3. Basic HTML: Text formatting, headings, tables, frames. Forms and CGI
4. Client-Server technology. Microsoft Active Server Pages (ASP).
5. Database connectivity, ODBC, OLEDB, ADO.NET
6. Microsoft .Net platform. ASP.NET scripting. ADO.NET
7. Web Site Administration. Content Management Systems. MS Content Management Server
8. WWW Prospects: XML and custom mark-up languages; Content Languages (CURL)

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.

Recommended Readings
- Deitel, M, Deitel P.J and Nieto T. R E-Business & E-Commerce, Prentice Hall, 2000, ISBN: 0-13-028419-X.
- Low, D, and Hall, W. Hypermedia & the Web, John Wiley, 1999.