

# Global Learning Semesters

## Course Syllabus

Course: COMP-326 Web Design

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



| Course Summary    |                 |                          |
|-------------------|-----------------|--------------------------|
| Course Code       | Course Title    | Recommended Credit Hours |
| COMP-326          | Web Design      | 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

This module aims to provide students with a conceptual and practical grounding in using hypertext and hypermedia design through the application of problem-based based activities, centered on the practical introduction to the use of scripting and other tools required to design and create an effective web presence.

### Prerequisites

None

### Topic Areas

1. Hypertext and Hypermedia. The web as a hypertext information system.
2. Setting user objectives for an effective web presence.
3. Web site structure, organisation and navigation.
4. Adopting a working design strategy, and developing a sense of aesthetics
5. HTML. Versioning HTML. Programming tools for WEB design.
6. Implementing web page creation using an editor for HTML scripting.
7. Applying text listing and formatting, graphics, animation, and image-maps.
8. Applying design features using style-sheets, tables and forms.
9. Using client-side scripting for dynamic pages. HTML and DHTML extensions. Java and Jscript. VB Script. Script lets. Implementing Java Applets.
10. Data manipulation and management. Understanding XML. XML and Custom markup languages.
11. Beyond HTML: enhancing design with multimedia artifacts e.g. sound, Macromedia Flash
12. Site evaluation, monitoring and maintenance.

### Readings and Resources

#### Required Textbooks

- Practical HTML. Lee Ann Phillips. QUE 1999.
- Web Publishing with HTML. Laura Lemay. SAMS 1999.

#### Recommended Reading

- Javascript for the world wide web. Tom Negrino and Dori Smith. Peachpit Press 2001.
- Macromedia Flash for Windows. Katherine Ulrich. Peachpit Press 2000.
- Flash 5 Bible. Robert Reinhardt and Jon Warren Lentz. Hungry Minds 2000.