

Common Course Outline

CINS 155

Internet Principles

3 Semester Hours

The Community College of Baltimore County

Description

Internet Principles

Introduces techniques for searching the Internet and evaluating online information. Covers Internet components, terminology, history, and ethical and security issues. Includes the creation and publication of web pages using HTML.

3 credits: 3 lecture hours (this course is delivered in a combination lecture and hands-on format).

Prerequisite: ENGL 051 or LVE1 or (ESOL 051 or LVE 1) RDNG 051 or LVR1.

Overall Course Objectives

Upon successfully completing the course students will be able to:

1. identify important events and people in the history of the Internet.
2. define the term computer and the parts of a microcomputer system.
3. describe and use computer operating system and file management, application software and information retrieval tools.
4. identify the major technology components behind the Internet.
5. explain basic concepts of how the Internet works, define terminology associated with the Internet
6. identify available sources of information, and evaluate information on the World Wide Web for timeliness, accuracy, authority, validity and completeness.
7. use the Internet as an information retrieval tool; collect, analyze, and use data for reports.
8. use the Internet for communications
9. create a web site using HTML tags
10. discuss ethical issues related to the Internet.
11. describe the uses and importance of data security.
12. apply team concepts to utilize diverse skills
13. identify web design techniques and critique web sites.

Major Topics

I. Basic Computer Concepts

A. Components

B. Software

1. System

- 2. Application
 - C. Hardware
 - D. Multimedia
 - E. Operating Systems
 - F. History and Development
 - G. User Interfaces

- II. What is the Internet and the World Wide Web
 - A. History of the Internet
 - B. Structure, organization, management of the Internet and WWW
 - C. Using a browser

- III. Search Tools and Methods
 - A. Using directories and search engines
 - B. Evaluating information found
 - C. Citing information found including web and Internet resources

- IV. Communication Tools

- V. Creating a web page
 - A. Basic HTML tags
 - B. HTML Editors

- VI. Issues Related to the Internet
 - A. Social Impact
 - 1. Privacy
 - 2. Data Security
 - 3. Personal Rights
 - 4. Freedom
 - 5. Ethics
 - B. Copyrights, security
 - C. E-Commerce
 - D. Future of the Internet

- VII. Challenges to Further Growth
 - A. Bandwidth
 - B. Digital Divide
 - C. Technology Lag

Course Requirements

Grading: Grading procedures will be determined by the individual faculty member, will be provided the first week of class, and will include the following:

1. Written Paper: The student will use the Internet, library, and other sources of information to write a paper on a topic of his/her interest, as approved by the instructor. References will be cited according to guidelines.

2. Web Site: Each student will be required to design, create, and publish a web site.
3. Tests/Exams: The course will include a comprehensive final exam and at least one test.
4. Final Grades: Grades will be determined by individual faculty members.

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.