

Common Course Outline
CSIT 155
Internet Principles
3 Credits

The Community College of Baltimore County

Description

CSIT 155 – Internet Principles introduces techniques for searching the Internet and evaluating online information. Covers Internet components, terminology, history, and ethical and security issues. The course includes the creation and publication of web pages using HTML.

3 Credits

Prerequisites: (ENGL 051 and RDNG 051) or ACLT 052, or permission of Program Director

Overall Course Objectives

Upon completion of this 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. understand emerging Web terminology and concepts;
8. discuss current communication technologies using the Internet;
9. create a web site using HTML tags and/or HTML editor;
10. discuss ethical issues related to the Internet;
11. explain the importance of privacy and security online;
12. discuss the impact technology has had on ethics, diversity and emerging issues in our global community, in a collaborative group environment;
13. identify web design techniques and critique web sites; and
14. download and use software from the Internet.

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 procedures will be determined by the individual faculty member but will include the following:

- Labs and/or Assignments (minimum of five)
- Web Site: Each student will be required to design, create, and publish a web site.
- Comprehensive Final Exam.

Written Assignments: Students are required to use appropriate academic resources.

Other Course Information

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

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