

Date: October 24, 2005

- I.** Course Name: Tools for the Internet User
Prefix and Number: CSC 102
Credit Hours and Contact Hours: 3 Credit Hours - 3 Contact Hours
Course Description:

This is a results oriented course designed to teach students the use of the basic tools of the Internet for research, knowledge and enjoyment. An overview of the Internet and WWW will be covered. Included in this overview will be a discussion of what it is, reasons for its tremendous growth, and connection options. A security overview and ethics will also be discussed. Other course topics for discussion and hands-on activity will include e-mail options, Web browsers, newsgroups, listservs, chat, ftp, search engines, finding people, finding a job, government and financial resources, and some elementary web page creation. (Will not carry CSC credit for A.A.S. *Information Technology*, A.S. *Info Systems*, or A.S. *Computer Science* degrees)

II. Learning Outcomes and Objectives

Learning Outcomes

Upon completion of the course the participant will be able to:

- A. describe characteristics of the internet and the WWW including a general overview, history, and growth
- B. evaluate and explain different connection options to the internet
- C. explain different services of the internet including: e-mail, browsing, ftp, chat, listserv, e-commerce
- D. discuss an internet security overview including security threats and countermeasures
- E. successfully browse and find info on the WWW using a variety of browsers and a variety of advanced search techniques and search engines
- F. successfully communicate using at least 2 different e-mail software packages
- G. upload and download files using ftp
- H. design and create an elementary web page using at least one software generator
- I. find and evaluate Internet resources and complete a research paper using reliable Internet sources and MLA format

Relationship to Academic Programs and Curriculum

This course is can be used to complete an information literacy requirement in many majors at FLCC. It is considered an introduction, and no prior knowledge of computing is required. It is not recommended for any of the computing sciences majors.

Competencies Addressed in this Course

Writing
Reading
Computer Literacy
Problem Solving and Critical Thinking
Ethics and Values
Global Concerns

III. Methods of Instruction

Types of Course Materials

1. Textbook

Methods of Instruction

Lecture, discussions, demonstrations, hands-on experiences in the computer labs

Assessment Measures

1. Student Activities: Activities will emphasize problem solving using the computer - specifically completing lab activities in WWW browsing and other web activities.

Methods of Evaluation

The demonstration of the satisfactory achievement of the above learning outcomes will be the responsibility of the student, facilitated by the instructor. Specifically, the following activities must be performed and completed for successful course completion:

- A. Written examinations after every significant part of the course as described above, in Learning Outcomes above.
- B. Assigned projects (most to be completed on a computer) that support the Learning Outcomes above. A culminating project will be assigned toward the end of the semester. It will require the student to perform some significant research on the WWW in their academic discipline. Most of the work on the projects should be completed outside of class, however some class time can be used to help the learner get started, or help with any difficulties in the labs. Demonstration by instructor should be considered for some projects, as well.

IV. General Outline of Topics Covered

I. Overview of Internet and the WWW

- A. computer networks
- B. how the internet began
- C. growth of the internet
- D. www
- E. connection options

II. Web browsers

- A. Browser basics
 1. web browsers
 2. web pages and web sites
 3. addresses on the web
 4. main elements
 5. history list
 6. printing and saving
- B. Using a browser
 1. Netscape Navigator
 2. Ms Internet Explorer

III. E-mail

- A. Evaluating e-mail alternatives
- B. Text base
- C. Browser base
- D. Mailing lists
- E. Setting up and using email
 - 1. pine
 - 2. Netscape messenger client
 - 3. ms outlook express

IV. File transfer protocol and downloading

- A. accessing an ftp server
- B. downloading files (file transfer modes, extensions, compression)
- C. uploading files

V. Searching the Web

- A. using search engines and directories effectively
- B. advanced techniques

VI. Information Resources on the Web

- A. finding, evaluating and using web information resources
- B. current info (news, weather, maps, people)
- C. multimedia resources (copyright issues, images, sounds, video)
- D. evaluating the quality of web research (how to cite a web source, etc)
- E. using MLA format to present the paper

VII. Newsgroups and listservs and chat

VIII. Designing and creating web pages with various tools.