

EVALUATION:

Please provide a brief description (250 characters maximum) that details how students will be evaluated on the course outcomes.

Students will be evaluated base on their performance on in-class website design exercises, as well as implementation of external internet accessible website. Students will also be evaluated on quizzes and exams.

Common Course Number: CGS 1557C

UNITS

Unit 1 Web Server Administration

General Outcome:

1.0 The student shall: be able to discuss how to maintain and organize a web server.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1** Distinguish Internet Service Providers (ISP) from Internet Presence Providers (IPP).
- 1.2** Describe how web servers work.
- 1.3** Describe the various parts of a web server.
- 1.4** Demonstrate how to install and maintain a web server.

Common Course Number: CGS 1557C

Unit 2 Advanced Web Design and Authoring

General Outcome:

- 2.0** The student shall: be able to discuss how to design a properly laid out Web Site using software tools.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 2.1** Demonstrate how to design a Web Site.
- 2.2** Demonstrate the Basics of creating a Web Page with HTML.
- 2.3** Use advanced HTML.
- 2.4** Demonstrate how to create and use image maps, digital video, audio and images.

Common Course Number: CGS 1557C

Unit 3 Web Protocols (HTTP, Gopher, FTP, WAIS, News, Mail)

General Outcome:

- 3.0** The student shall be able to explain and demonstrate how to locate and retrieve information using the Internet.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 3.1** Define and discuss HTTP.
- 3.2** Demonstrate the use of Telnet.
- 3.3** Demonstrate the use of FTP.
- 3.4** Demonstrate the use of Gopher.
- 3.5** Demonstrate how Internet E-mail works.
- 3.6** Use standard E-mail software packages.

Common Course Number: CGS 1557C

Unit 4 Programming for the Web (such as: Perl, Java, JavaScript)

General Outcome:

- 4.0** The student shall: be able to use programming languages for the web to program a page hit counter, graphical interface tool and a running text based sign.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 4.1** Use perl to program a page hit counter.
- 4.2** Use Java to program a graphical interface tool.
- 4.3** Use JavaScript to program a running text based sign.
- 4.4** Demonstrate the use of frames.

Common Course Number: CGS 1557C

Unit 5 Web Site Management Tools

General Outcome:

- 5.0** The student shall: be able to use programming languages for the web to program a page hit counter, graphical interface tool and a running text based sign.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 5.1** Use various applications tools to enhance web sites.
- 5.2** Use financial transactions and digital cash.
- 5.3** Demonstrate acknowledge of corporate applications and internal web sites.
- 5.4** Describe real-time communication on the web.
- 5.5** Understand the future of the web.

Common Course Number: CGS 1557C

Unit 6 Internet Domain Name Registration

General Outcome:

- 6.0** The student shall: be able to understand and use InterNIC registration domain names.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 6.1** Discuss domain names
 - 6.1.1** Virtual domain names
 - 6.1.2** Non-virtual domain names
- 6.2** Demonstrate InterNIC domain listings
- 6.3** Describe registering a domain name

Common Course Number: CGS 1557C

Unit 7 Marketing on the Internet

General Outcome:

- 7.0** The student shall: be able to demonstrate a knowledge of how web sites are marketed on the Internet.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 7.1** Explain linking of domain names to key words in search engines.
- 7.2** Explain web site hits, and history logs.