COURSE INFORMATION FORM

DISCIPLINE
Computer Science & Information Systems

COURSE TITLE
Web Development

CR.HR 3  LECT HR. 2  LAB HR. 2  CLIN/INTERN HR.  CLOCK HR. 

CATALOG DESCRIPTION
An in-depth introduction to the creation of Web pages using XHTML. Create individual Web pages that use basic components, and then build a Web site that follows good design and navigation principles. Interactive and multimedia features will be added to the site. Issues concerning the Internet will be discussed.

PREREQUISITES
CSIS 110 or CSIS 115

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Describe the World Wide Web and analyze its effect on society.
2. Describe and use the major components of a Web site.
3. Demonstrate effective use of browsers and search engines.
4. Define and incorporate human-computer interaction factors relevant to the design of a Web site.
5. Create and maintain a simple Web site that contains image, audio, and multimedia files.
6. Use rudimentary scripting to enhance the capabilities of a Web page.
7. Describe and evaluate issues regarding the Internet.
8. Evaluate a Web site.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes ESO

2. Critical Thinking
   B. Define, analyze, and evaluate information, materials and data
      3. Unambiguously define problems with issues (7)
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Use industry specific software and/or apply troubleshooting skills to solve problems.
2. Create and defend solutions to real life business challenges.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Hands-on projects (1-8)
2. Quizzes/Exams (1-8)
3. Class Discussion (1-8)
COURSE OUTLINE FORM

DISCIPLINE

Computer Science & Information Systems

COURSE TITLE: Web Development

Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Internet and the World Wide Web
   A. History
   B. Security issues
   C. Website content validity
   D. Current topics and future trends

II. Coding a web page
   A. Common HTML tags
   B. Image maps
   C. Tables
   D. Frames
   E. Simple forms
   F. Cascading style sheets

III. Scripting
   A. Dynamic content
   B. Client-side form processing

IV. Multimedia components
   A. Audio objects
   B. Video/animation objects

V. Design issues
   A. Design and development – overview
   B. Screen design strategies - color combinations
   C. Navigation issues and strategies