

STANDARDIZED COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER: CST 150

COURSE TITLE: Web Design And Development I

COURSE CATALOG DESCRIPTION:

Students will learn to create HTML documents, format text, add graphics and multimedia to web pages, and create online forms. Students also learn how to work with tables, control web page layouts, design web pages, and scripting for HTML. A brief introduction to some current web authoring software tools will also be. Emphasis is on lots of hands on practice designed to produce a working HTML coded home page with features such as links, images, color and text. *Formerly listed as CIS 150, not open to students who have successfully completed CIS 150.*

LECTURE HOURS PER WEEK: 3

CREDIT HOURS: 3

LAB HOURS PER WEEK (if applicable): n/a

PREREQUISITE(S): n/a

SECTION II

A. SCOPE:

This introductory web design course will provide students with the necessary tools to plan and create a professional web site using HTML and XHTML code. Course topics include:

B. REQUIRED WORK:

Will vary by instructor. Students will be expected to do all required readings, assignments, tests, and quizzes as outlined by their instructor.

C. ATTENDANCE AND PARTICIPATION:

Regular attendance, assignment submission timeliness, promptness and class/lab participation will be expected. Instructors will include specific attendance and participation policies requirements in their class syllabi.

D. METHODS OF INSTRUCTION:

Methods may include any of the following: lecture, lecture/discussion, small group, collaborative learning, experimental/exploration, distance learning, student presentations, computer demonstrations, or use of technologies such as audio-visual materials, and computer laboratory equipment. Emphasis will be on hands-on computer exercises and problems.

E. OBJECTIVES, OUTCOMES, and ASSESSMENT

Students' grades will be based on achievement of learning the objectives and outcomes listed below as measured by the instructor's methods of assessment:

LEARNING OBJECTIVES	LEARNING OUTCOMES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:	As measured by:
Introduction to HTML and XHTML	a) Review the history of the Internet, the Web, and HTML b) Describe different HTML and XHTML standards and specifications c) Learn basic syntax of HTML code	<ul style="list-style-type: none"> • Homework/Lab assignments; • Written and Oral activities; • Quizzes and Exams; • Projects and Presentations
Basic Web Pages	a) Mark elements with one-sided and two-sided tags b) Differentiate between and use block-level and in-line elements c) Create and format lists, formatted text, horizontal lines, line breaks, and special characters and symbols	<ul style="list-style-type: none"> • Homework/Lab assignments; • Written and Oral activities; • Quizzes and Exams; • Projects and Presentations
Basic Web Sites	a) Define and create various types of hyperlinks b) Work with anchors c) Define and implement absolute and relative paths	<ul style="list-style-type: none"> • Homework/Lab assignments; • Written and Oral activities; • Quizzes and Exams; • Projects and Presentations
Web Page Design	d) Work with fonts, colors, and graphics e) Work with alignments f) Create image maps	<ul style="list-style-type: none"> • Homework/Lab assignments; • Written and Oral activities; • Quizzes and Exams; • Projects and Presentations
Tables	g) Identify and define the various parts of a table h) Create and format tables, rows, data cells, and header cells i) Insert various types of content into tables j) Use tables to create different types of web page layouts	<ul style="list-style-type: none"> • Homework/Lab assignments; • Written and Oral activities; • Quizzes and Exams; • Projects and Presentations
Frames	k) Describe the uses of frames in a web site l) Use frames to layout various web pages in a browser window m) Direct link targets to frames and various browser windows	<ul style="list-style-type: none"> • Homework/Lab assignments; • Written and Oral activities; • Quizzes and Exams; • Projects and Presentations
Forms	n) Explain how web forms can interact with server-based programs o) Create and insert a form into a web site p) Identify and use various types of form controls q) Use e-mails to gather data from a form	<ul style="list-style-type: none"> • Homework/Lab assignments; • Written and Oral activities; • Quizzes and Exams; • Projects and Presentations

F. TEXT(S) AND MATERIALS:

An appropriate introduction to Web Design I Text, such as:

Text: HTML and XHTML (*current edition*)

Author: Carey

Publisher: Course Technology

G. INFORMATION TECHNOLOGY:

This course is an information technology course and will require extensive computer lab time both for teaching and performing assignments. Students will require network accounts with access to the Internet Explorer and notepad as well as file storage space.