GAVILAN COLLEGE
5055 Santa Teresa Blvd
Gilroy, CA 95023

Course Outline

COURSE: DM 6 DIVISION: 50 ALSO LISTED AS: CSIS 6

TERM EFFECTIVE: Fall 2021 CURRICULUM APPROVAL DATE: 12/14/2021

SHORT TITLE: WEBPAGE AUTHORING

LONG TITLE: Webpage Authoring

Units	Number of Weeks	Type	Contact Hours/Week	Total Contact Hours
3	18	Lecture:	3	54
		Lab:	0	0
		Other:	0	0
		Total:	3	54

Out of Class Hrs:	108.00
Total Learning Hrs:	162.00

COURSE DESCRIPTION:

An introduction to using HTML to create web pages which can be uploaded and displayed on the World Wide Web. Students will create web pages with text in various sizes and colors, links to other sites, lists, background color or patterns, graphics, tables and email links. This course has the option of a letter grade or pass/no pass. Also listed as CSIS 6. ADVISORY: CSIS 1 or CSIS 2 or CSIS 3/LIB 3.

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES
- L - Standard Letter Grade
- P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:
- 02 - Lecture and/or discussion
- 05 - Hybrid
- 71 - Dist. Ed Internet Simultaneous
- 72 - Dist. Ed Internet Delayed

STUDENT LEARNING OUTCOMES:

By the end of this course, a student should:

1. Create web pages with different font sizes, types, and faces; considering usability and aesthetic impact.
2. Create web pages with lists, tables, simple forms, links, and anchors.
3. Design a personal website with multiple pages; all with a coherent look and style.

COURSE OBJECTIVE:

By the end of this course, a student should:

1. Design and implement websites using HTML Basic tags, attributes, lists, links, images and tables.
2. Design and implement websites using Cascading Style Sheets and survey forms.
3. Use JavaScript to add functionality to your website.
4. Utilize images, audio and video to enhance your webpages.

COURSE CONTENT:

Curriculum Approval Date: 12/14/2021

9 Hours:

Lecture: HTML syntax overview. Ten basic HTML tags including opening and closing html, head and body tags, lists (ordered, unordered and definition), header tags, image tags, interior and exterior anchor tags. Attributes including alignment, color, type face and size, type and start attributes for lists. Upload pages to a host site. Short quiz on html basic tags.

9 Hours:

Lecture: More Image coding: borders, links, background tiles. Introduction to ables - u for tabular information and as a design tool. Images, lists, links, headers in table cells. Table and cell background colors and tiles, cell padding and spacing. Design issues such as color blindness, ADA compliance, readability to consider when designing a website. Take a short quiz on basic design and color issues to consider in the development of a website.

9 Hours:

Lecture: Cascading Style Sheets. Embedded, inline and external. Navigation and content divisions. Body margins, background, text color codes. Header font weight, color, size, leading. Individual tag styles vs class styles. Image and text floating elements. HTML coding to use the styles, link to stylesheets. The box model and floating elements vs tedious table tags. Take a short quiz on CSS basics.

9 Hours:

Lecture: Validation of HTML through W3Schools. Presentation of student websites, midterm exam. Adding metatags to the site. Forms - as questionaire, survey, feedback from readers. Radio questions, checkboxes, submit and reset buttons, text fields and text areas.

9 Hours:

Lecture: Introduction to JavaScript. Using JavaScript variables, decision statements, and loops. Use JS to do initial form processing and error checking. Using JS to manage events. Take a short quiz on JavaScript.

7 Hours:

Lecture: How to use a stylesheet to read the dimensions of a reader's device and arrange the display to fit those dimensions. How to use jQuery to create simple animation for websites. Prepare to present final project and take the final exam.

2 Hours:

Final Project presentations and the final exam.

METHODS OF INSTRUCTION:

Lecture, Computer Demonstrations, Web Page and Web Searches

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours 18

Assignment Description

HOMEWORK: Read the lecture material. Using the material covered in class set up some web pages. Use physical and logical commands for controlling text. Upload HTML documents and image files to a host site. Short quiz on HTML basic tags.

Required Outside Hours 18

Assignment Description

HOMEWORK: Read the lecture material. Using the material covered, add more images to a webpage, images that have borders, link to other sites. Create another html document with a table containing images, background tiles, headers, lists, and plain text. Take a short quiz on basic design and color issues to consider in the development of a website.

Required Outside Hours 18

Assignment Description

HOMEWORK: Read the lecture material. Use storyboarding or flowcharts to map out your site organization. Create a separate CSS document with body, header, link styles, plus two divisions for navigation and content areas. Set up a front page of your project using the CSS document. Create a second page that uses the same CSS document, same navigation panel. Upload all new documents and image files created. Take a short quiz on CSS basics.

Required Outside Hours 18

Assignment Description

HOMEWORK: Present website, study for and take a midterm quiz. Read the lecture material. Validate individual files with the W3Schools.com site. Add metatags to the front page of the website. Add another webpage to the site called survey.html that solicits information from the readers, including radio and checkbox questions, text boxes and text areas. Upload any new pages or images to the host site.

Required Outside Hours 18

Assignment Description

HOMEWORK: Read the lecture material. Create a web page that uses JS to check for form input errors. Create a web page that does calculations using user input. Create a web page that uses JS to manage events. Take a short quiz on JavaScript.

Required Outside Hours 18

Assignment Description

HOMEWORK: Read the lecture material. Create a style to read the dimensions of a reader's device and arrange the display to fit those dimensions. Add simple animation using jQuery. Prepare to present final project and take the final exam.

METHODS OF EVALUATION:
Writing assignments
Evaluation Percent 10
Evaluation Description
Writing assignments: 10% - 20%
Written Homework

Problem-solving assignments
Evaluation Percent 30
Evaluation Description
Problem-solving demonstrations: 20% - 40%
Homework Problems,
Practice Assignments,
Quizzes,
Exams

Skill demonstrations
Evaluation Percent 50
Evaluation Description
Skill demonstrations: 40% - 70%
Practice Assignments,
Website Project

Objective examinations
Evaluation Percent 10
Evaluation Description
Objective examinations: 10% - 30%
Multiple Choice,
True/False,
Matching Items,
Completion

REPRESENTATIVE TEXTBOOKS:
New Perspectives on HTML5 and CSS: Comprehensive, 8th Edition, Patrick M. Carey, Cengage Learning, 2021.
ISBN: 9780357698365
12th Grade Verified by: MS Word

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:
GAV E2
CSU GE:
IGETC:
CSU TRANSFER:
Transferable CSU
UC TRANSFER:
Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N
Classification: Y
Noncredit Category: Y
Cooperative Education:
Program Status: 1 Program Applicable
Special Class Status: N
Prior to College Level: Y
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: N
Occupational Course: C
Course Control Number: CCC000568974
Sports/Physical Education Course: N
Taxonomy of Program: 061430