COSC 202 –WEB DEVELOPMENT 3 CREDITS
SYLLABUS

CATALOG DESCRIPTION

Introduction to HTML code. Creating and designing a web page in HTML, adding tables and using frames in web design. Use HTML to create interactive, dynamic Web pages. Implement cascading style sheets.

Prerequisites: MATH 096/APAL 040, ENGL 095/APEN 070, RDNG 113/APRD 081

Semester Offered: Fall

Common Student Learning Outcomes
Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in…

BROAD AND SPECIALIZED LEARNING
Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING
Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT
Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION
Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY
Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES
Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

Upon successful completion of the course, the student will be able to…

GENERAL LEARNING OUTCOMES:

I.   Utilize an application development methodology.
II.   Design client-side Web applications.
III.   Program client-side Web applications.
IV.   Explain and utilize object models.

SPECIFIC LEARNING OUTCOMES:

1. Explain what the structure of the World Wide Web is and what a Web document consists of.
2. Recognize the need to understand why the HTML language must be learned in today's electronic environment

3. Understand the importance of effectively designing and developing Web sites.
4. Create HTML web pages.
5. Demonstrate the ability to create effective hyperlinks.
6. Recognize the criteria behind evaluating and designing effective Web sites.
7. Apply the use of color, graphics and image maps in Web pages.
8. Design Web page tables both as a design element and means of presenting information.
9. Establish the effective use of frames, tables, and forms in Web page design and implementation.
10. Create multimedia Web pages containing audio, video, and Java applets.
11. Use JavaScript and cascading style sheets to create dynamic Web pages (DHTML).
12. Utilize various human/computer interaction theories and effectively apply them to information presentation and management.