

SUFFOLK COUNTY COMMUNITY COLLEGE  
Western Campus  
Brentwood, New York

COURSE OUTLINE

COURSE TITLE: Web Site Design

CATALOG NO: CST161

INSTRUCTOR: Prof. Carl B. Struck

SEMESTER: Fall 2019

OFFICE: Nesconset Hall – Suite N1 (Room 4) (851-6288)

MESSAGES: 851-6770

Monday • 11:10 - 12:30

Tuesday • 10:30 - 11:30

Thursday • 10:30 - 11:30

Tuesday • 3:10 - 4:00

Thursday • 3:10 - 4:00

E-MAIL: [struckc@sunysuffolk.edu](mailto:struckc@sunysuffolk.edu)

WEB ADDRESS: [www.profstruck.net](http://www.profstruck.net)

TEXTBOOK:

- Ruvalcaba, Z., & Boehm, A. Murach's HTML5 and CSS3 (4<sup>th</sup> Edition). Fresno, CA: Mike Murach & Associates, Inc., 2018. (ISBN 978-1-943872-26-8)

SUPPLIES:

- A text editor such as Notepad, Notepad++, or TextWrangler, or a web development application or studio such as Aptana Studio 3, Adobe Dreamweaver, Adobe Creative Suite, Microsoft Expression Web, Microsoft Expression Studio or Microsoft Visual Studio for creating web pages (documents)
- An Internet web browser such as Internet Explorer, Firefox, Chrome, Safari and/or Opera for viewing and testing web documents
- USB flash drive (memory stick) or some other storage device for saving files.

COURSE OBJECTIVES:

At the end of this course, students will be able to:

1. Design, analyze and code HTML files.
2. Design, analyze and code Cascading Style Sheets
3. Design, analyze and code JavaScript programs
4. Utilize Internet service accesses and web browsers.
5. Edit, send and view electronic mail via web pages.
6. Perform web searches using the various available search engines.

PROCEDURES FOR ACCOMPLISHING THESE OBJECTIVES:

1. Class lectures and discussions.
2. Use of audio-visual devices and IBM compatible computers.
3. Homework review and practice problems from textbook and other sources.
4. Application problems on IBM compatible computers.

## STUDENT REQUIREMENTS FOR COMPLETION OF THE COURSE:

- Three “hands-on” in class examinations (10% each): 30%
- Web development programming assignments: 50%
- Unit quizzes: (*see below*) 20%

Do not expect to get an “A” grade for doing the base project; rather that grade is reserved for students who go beyond the requirements of the assignment. Final grade will not be more than ten (10) percentage points higher than the examination average.

Multiple-choice *unit quizzes* based upon the assigned textbook readings will be given for most chapters. Quizzes located in Blackboard consist of ten questions each and will be “open book.” All quizzes must be completed at home or in a computer lab by the due date listed in the course outline before 9:30 a.m. when class begins that day.

Students must submit all projects via Blackboard, an Internet website maintained jointly by Suffolk Community College and the SUNY Learning Network. Students who do not have Internet access from home can get access from the computer labs on campus.

NO MAKE-UP EXAMS will be given unless the instructor so decides. However, no student will be allowed to make up an examination that has been returned and discussed in class. All assignments and projects are due by the end of the day (11:59 P.M.) on the date announced unless otherwise stated. No late assignments will be accepted unless an extension date is *prearranged* with the instructor.

Although computer lab time may be scheduled each week during class time, students should be aware that additional lab time outside of class may be necessary to complete the requirements of this course. Students without their own computer at home should plan to spend an additional 3 to 6 hours per week in the Caumsett Hall room 207 computer lab.

## ATTENDANCE REQUIREMENTS:

“The College expects that each student will exercise personal responsibility with regard to class attendance. All students are expected to attend every class session of each course for which they are registered. Students are responsible for all that transpires in class whether or not they are in attendance. The College defines excessive absence or lateness as more than the equivalent of one week of class meetings during the semester. Excessive absence or lateness may lead to failure in a course or removal from the class roster.” (College Catalog)

Attendance is not a factor in the computation of the course grade but may be a factor in determining class participation. It is the student's responsibility to make his/her attendance known to the instructor if arriving late. Students who stop attending classes *without officially withdrawing* from the course will receive a failing grade (F).

SCHEDULE OF TOPICS TO BE COVERED:

Sept 3

- ✓ **Introduction to Web Development**
- ✓ Reading: Chapter 1

Sept 5

- ✓ **How to Code, Test and Validate a Web Page**
- ✓ Reading: Chapter 2
- ✓ Project 1: Exercise 2-3 (Due: Sept 12)

Sept 10 – 12

- ✓ **Structuring Web Pages with HTML**
- ✓ Reading: Chapter 3 (Unit Quiz: Sept 10)
- ✓ Project 2: Exercise 3-1 (Due: Sept 19)

Sept 17 – 19

- ✓ **Formatting Web Pages with CSS**
- ✓ Reading: Chapter 4 (Unit Quiz: Sept 17)
- ✓ Project 3: Exercise 4-1 (Due: Sept 26)

Sept 24 – 26

- ✓ **Spacing, Borders and Backgrounds using the CSS Box Model**
- ✓ Reading: Chapter 5 (Unit Quiz: Sept 24)
- ✓ Project 4: Exercises 5-1 & 5-2 (Due: Oct 3)

Oct 1 – 3

- ✓ **Web Page Layout with CSS**
- ✓ Reading: Chapter 6 (Unit Quiz: Oct 1)
- ✓ Project 5: Exercises 6-1, 6-2 & 6-3 (Due: Oct 10)

Oct 10

- ✓ **EXAM 1**

Oct 15 – 17

- ✓ **Lists and Links**
- ✓ Reading: Chapter 7 (Unit Quiz: Oct 15)
- ✓ Project 6: Exercises 7-1 & 7-2 (Due: Oct 24)

Oct 22 – 24

- ✓ **Images and Icons**
- ✓ Reading: Chapter 11 (Unit Quiz: Oct 22)
- ✓ Project 7: Exercise 8-1 (Due: Oct 31)

Oct 29 – 31

- ✓ **Tables**
- ✓ Reading: Chapter 12 (Unit Quiz: Oct 29)
- ✓ Project 8: Exercise 9-1 (Due: Nov 7)

Nov 5 – 7

- ✓ **Input Forms**
- ✓ Reading: Chapter 13 (Unit Quiz: Nov 5)
- ✓ Project 9: Exercise 10-1 (Due: Nov 14)

Nov 12

- ✓ **EXAM 2**

Nov 14 – 19

- ✓ **Audio and Video**
- ✓ Reading: Chapter 14 (Unit Quiz: Nov 14)
- ✓ Project 10: Exercises ?? (Due: Dec 3)

Nov 21 – Dec 3

- ✓ **CSS Transitions, Transforms, Animations and Filters**
- ✓ Reading: Chapter 16 (Unit Quiz: Nov 21)
- ✓ Project 11: Exercises ?? (Due: Dec 10)

Dec 5 – 17

- ✓ **Designing and Deploying a Website**
- ✓ Reading: Chapters 17 and 18 (Unit Quiz: Dec 5)
- ✓ Project 12: Comprehensive Final Exam (Due: Dec 19)

Dec 19

- ✓ **COMPREHENSIVE FINAL EXAM**