CS 50A – Web Development 1
Syllabus – Section 4164, Spring 2024

Instructor: Beaury Foshée, bfoshee@santarosa.edu

Course Description

This course is intended for the beginning student who will learn how to build a simple website using HTML and CSS. Topics include: font formatting, navigation, images, layout, semantic elements, tables and forms.

Recommended Preparation: Course Completion of CS 5 OR CS 101A OR CS 105A and Course Eligibility for ENGL 1A

Whether you want to become a professional member of a web development team, or just want to create your own personal site, mastery of HTML and CSS is essential to those goals. We will work with current versions of both core client-side languages of the Web, HTML5 and CSS3, to become proficient in the creation of hand-coded static Web sites.

Student Learning Outcomes

Students will be able to:

1. Use HTML and CSS code that meets current industry standards to create a simple website.
2. Apply appropriate terminology to describe basic web development concepts.

Upon completion of the course, students will be able to:

1. Create a simple website.
2. Develop webpages that utilize the HTML elements that address the following functions: basics document structure, head elements, text markup, site navigation, images, div and span structure, semantic elements, tables, forms.
3. Develop webpages that utilize CSS to control the appearance of the site. Students will use these CSS property groups: text and font, color and background, the box model, position and display, lists, tables.
4. Develop webpages that utilize the CSS concepts of the cascade and inheritance of browser, external, embedded and inline CSS.
5. Students will correctly use the CSS elements of selectors, declarations, properties, values. Classes and id's will be stressed.
6. Summarize the following website development concepts: element, attribute, element nesting, asset path, style, rule, selector, declaration, property, and value.

Topics and Scope:

1. Basic Document Structure
2. Navigation

3. Structural Elements
4. Images
5. Cascading Style Sheets Usage
6. CSS Font / Text Properties
7. HTML Editors - download, use and review
8. CSS (Cascading Style Sheets) Box Properties
9. Webpage layout using CSS
10. Semantic Elements
11. Tables
12. Forms
13. Commercial Website

Assignments:

1. Regular textbook reading
2. Fourteen (14) assignments. All webpages must be uploaded to the class-provided hosting account on the Internet and must validate.
3. Two (2) quizzes, a midterm and final exam
4. Website critiques
5. Participation in electronic message board discussions

Instructor Contact

Beaury Foshée

Email: bfoshee@santarosa.edu
Zoom: If you need help outside of regular office hours on Fridays from 6pm - 7:30pm, make an appointment, and I will meet you in the [Zoom Room Links to an external site.](#)

Office Hours

Optional office hours

Day	Time	Location
Fridays (online)	6:00pm – 7:30pm	[ZoomLinks to an external site.](#)

Making an appointment for office hours is highly recommended. If you need help via email, I typically respond within 48 hours. I never respond on Sundays or holidays.

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Class Meetings - optional

Class meetings

Class Delivery	Day and Time	Platform
Online	Modules start on Tuesdays	Canvas shell

All class materials for each module will be released online in Canvas on Wednesdays throughout the entire semester. Live online meetings Fridays 6:00pm to 7:30pm, except on holidays. Attendance is optional.

Course Web Site

Students will use the Canvas course web site for assignment instructions, submitting assignments, viewing classmates' work, sharing resources, and viewing grades. *The Google Chrome browser is recommended for viewing the Canvas-powered course site. Internet Explorer is not recommended.*

Textbook

Head First HTML and CSS (2nd)
Elizabeth Robson, Eric Freeman
0596159900 (ISBN 10)
978-0596159900 (ISBN 13)
SRJC Libraries call number: QA76.76.H94 R636 2012Links to an external site.
Publisher site availableLinks to an external site.
Consider buying a used copy. You can locate and order textbooks online via the SRJC Bookstore.Links to an external site.

Equipment

- **A personal computer**, either at home, work or on the Santa Rosa or Petaluma campuses.

Required Software + Services

- **Internet access**
- **Web browsers** including:

- o [Google ChromeLinks to an external site.](#) recommended and typically used in instructor demos
- o [Mozilla FirefoxLinks to an external site.](#) recommended
- **Cloud hosting, version control + development environment services:**
  - o Do not apply for it now. A Repl.it IDE (Integrated Development Environment) will be required for all students, starting Module 2. We will use Repl.it to host completed class assignments in the first half of the term. Repl.it provides a text editor and file transfer support without any additional software. *Complete the hosting survey included in Week 1 to get an assigned Repl.it username and password account.*
  - o Late in the second half of the class, you will be required to set up a free account with [InfinityFreeLinks to an external site.](#) so that you may become familiar with uploading a site to a server using an ftp client such as CyberDuck.
- **Graphics and prototyping software** such as:
  - o Adobe Photoshop, part of a [Creative CloudLinks to an external site.](#) subscription
  - o [GimpLinks to an external site.](#) open source application
  - o [PixlrLinks to an external site.](#) browser-based image editor
  - o [Draw.ioLinks to an external site.](#) browser-based drawing app
  - o [FigmaLinks to an external site.](#) user interface design tool app
- **PDF display software** such as:
  - o [Adobe ReaderLinks to an external site.](#)

Optional Software

The additional software listed below is often used for Web development.

- **Additional Web browsers** including:
  - o Apple Safari (Mac OS only)
  - o Microsoft Edge (Windows 10 only)
- **Code editor** such as:
  - o [BracketsLinks to an external site.](#) (Windows, Mac OS, free license)
  - o [Microsoft Visual Studio CodeLinks to an external site.](#) (Windows, Mac OS, free license)
  - o [BBEditLinks to an external site.](#) (Mac OS only)
  - o [Sublime TextLinks to an external site.](#) (Windows, Mac OS, Linux)
- **GUI-based Git repository manager**:
  - o [GitHub DesktopLinks to an external site.](#)
- **File Transfer Protocol (FTP) software** such as:
  - o [CyberDuckLinks to an external site.](#) (Mac OS and Windows, free license)
  - o [WinSCPLinks to an external site.](#) (Windows only)

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Important Dates

Important Dates

Day Class Begins:	**Tuesday, January 16, 2024**
Day Class Ends:	Friday, May 17, 2024
Day/Time of Final Exam:	To be Arranged
Last Day to Add without instructor's approval:	Tuesday, January 23, 2024
Last Day to Add with instructor's approval:	Sunday, February 4, 2024
Last Day to Drop and be eligible for enrollment/course fee refund:	Sunday, January 28, 2024
Last Day to Drop without a 'W' symbol:	Sunday, February 4, 2024
Last Day to Drop with a 'W' symbol:	Sunday, April 21, 2024
Last Day to Opt for Pass/No Pass:	Friday, May 17, 2024
First Census Date:	Monday, February 5, 2024
Mid-Term Date:	3/25/2024 - 4/21/2024

Dropping the Class

If you decide to discontinue this course, it is your responsibility to officially drop it. A student may be dropped from any class when that student's absences exceed ten

percent (10%) of the total hours of class time. It is strongly advised that if you need to miss more than one class/homework deadline in a row that you contact the instructor to avoid being dropped from the class.

Attendance

For online courses, students who fail to participate in the first and second class modules may be dropped by the instructor.

Pass-NoPass (P/NP)

If taking Pass/No Pass, you need 70% of the total class points and to complete the midterm and final exams to pass the class. You must decide before the deadline, and add the option in your Student portal, or file the P/NP form with Admissions and Records. With a grade of C or better, you will get P.

This semester, you must file for the P/NP option by May 17, 2024. Once you decide to go for P/NP, you cannot change back to a letter grade. If you are taking this course as part of a certificate program, you can probably still take the class P/NP, but check with a counselor to be sure.

Instructor Announcements

The instructor will post announcements on the "Instructor Announcements" page in Canvas throughout the semester. Canvas notifies students according to their preferred Notification Preferences.

Late Policy

All assignments are due at 11:59pm Pacific time on **Wednesday** each week an assignment is due. Due dates will be published in Canvas. A late submission will receive a 10% penalty for each module it is late. Submissions more than two modules late are not accepted without prior arrangement.

Exams

There will be online midterm and final exams. The material comes from the textbook, class lectures and supplemental materials. If any exam is missed, a zero will be recorded as the score, unless you have made prior written arrangements with me. It is your responsibility to take the exams by the due date.

Grading Policy

Click the "Grades" link in Canvas to keep track of your grades. I grade once a week and post grades and comments in the Canvas gradebook.

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Grades will be assigned as follows:

Grading

Letter Grade	Percentage	Points Total
A	90% - 100%	900 points or more
B	80% - 89%	800 to 899 points
C	70% - 79%	700 to 799 points
D	60% - 69%	600 to 699 points
F	59% or lower	599 points or less

Grading Breakdown

Grading Breakdown

Percent	Points	Grading Category
62%	620 points	Projects + Assignments
12%	120 points	Discussions/Participation
6%	60 points	Quizzes
10%	100 points	Midterm
10%	100 points	Final Exam
100%	1000 points	1000 points possible

Standards of Conduct

Students who register in SRJC classes are required to abide by the SRJC Student Conduct Standards. Violation of the Standards is basis for referral to the Vice President of Student Services or dismissal from class or from the College. See the [Student Code of Conduct page](#).

Collaborating on or copying of tests or homework in whole or in part will be considered an act of academic dishonesty and result in a grade of 0 for that test or assignment. Students are encouraged to share information and ideas, but not their work. See these links on Plagiarism:
[SRJC Writing Center Lessons on avoiding plagiarismLinks to an external site.](#)
[SRJC's statement on Academic Integrity](#)

Special Needs

Every effort is made to conform to accessibility standards for all instructor-created materials. Students should contact their instructor as soon as possible if they find that they cannot access any course materials. Students with disabilities who believe they need accommodations in this class are encouraged to contact Disability Resources by calling (707) 527-4278 or visit online at [drd.santarosa.edu](#).

Student Health Services

Santa Rosa Junior College offers extensive health services to students. Visit Student Health Services online at [shs.santarosa.edu](#) or call them at (707) 527-4445.

Course Outline

Class Schedule Dates

Start Date	Canvas Module	Topics	Assignments
1/16	Module 1	Introduction to Web Development	Hosting Signup Survey Assignment 1: Syllabus Quiz Discussion 1: Check-in Discussion Reading: *Head First,* Ch. 1
1/23	Module 2	HTML Links + Paths	Assignment 2: First Pages Reading: *Head First,* Ch. 2

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Class Schedule Dates

Start Date	Canvas Module	Topics	Assignments
1/30	Module 3	HTML Elements	Assignment 3: An Animal Page Discussion 2: History of the Web Reading: *Head First,* Ch. 3
2/6	Module 4	HTML5 + HTTP Standards	Assignment 4: Linking + Embedding Reading: *Head First,* Chs. 4 + 6
2/13	Module 5	Media: Images, Video + Audio	Assignment 5: Adding Media Discussion 3: Web Accessibility Reading: *Head First,* Ch. 5
2/20	Module 6	Introduction to CSS + Selectors	Assignment 6: Start Styling Quiz 1 Reading: *Head First,* Ch. 7
2/27	Module 7	Typography + Web Fonts	Assignment 7: Fonts for Animals Discussion 4: Design Theory Reading: *Head First,* Ch. 8, pp. 311-339
3/5	Module 8	Web Color	Assignment 8: Midterm Project: About An Animal Reading: *Head First,* Ch. 8, pp. 340-359
3/12	Module 9	Midterm Review	Assignment 9: Midterm Exam Discussion: Midterm Project Presentations
3/19	Module 10	CSS Box Model	Assignment 10: Decorated Boxes Discussion 5: CSS Box Model Reading: *Head First,* Ch. 9
3/26	Module 11	HTML5 Semantic Structure	Assignment 11: Organizing Elements Reading: *Head First,* Chs. 10 + 12

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Class Schedule Dates

Start Date	Canvas Module	Topics	Assignments
4/2	Module 12	CSS Layout	Assignment 12: Composing Layouts Discussion 6: Responsive Design Reading: *Head First,* Ch. 11
4/9	Module 13	Responsive CSS + Media Queries	Assignment 13: Responsive Pages Quiz 2 Reading: Online article
4/16	Module 14	HTML Tables	Assignment 14: Organizing Data Discussion 7: Interaction Design Reading: *Head First,* Ch. 13
4/23	Module 15	HTML Forms	Assignment 15: Interactive Forms Reading: *Head First,* Ch. 14
4/30	Module 16	Interactive CSS + Pseudo Classes	Assignment 16: Interactive Menus Discussion 8: Future Web Reading: *Head First,* Appendix + online
5/7	Module 17	Animation + CSS Transitions	Final Project: Responsive Animal Catalog
5/17	Module 18	Final Exam Review *(does not include material from modules 16 + 17)*	Final Exam Discussion: Final Project Presentations

Note to students: the assignments listed above will become available as modules are released in sequence each module. To view course content, go to **Modules**.

Course Summary:

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Date	Details	Due
Mon Jan 22, 2024	Assignment [Assignment 1a: Get familiar with Replit](#)	due by 11:59pm
	Assignment [Assignment 1b: - Starbuzz](#)	due by 11:59pm
	Discussion Topic [Discussion 1: Check in](#)	due by 11:59pm
	Quiz [Hosting Survey](#)	due by 11:59pm
	Quiz [Quiz 0: Syllabus Quiz](#)	due by 11:59pm
Mon Jan 29, 2024	Assignment [Assignment 2a: Hyperlinking](#)	due by 11:59pm
	Assignment [Assignment 2b: Paths](#)	due by 11:59pm
Tue Feb 6, 2024	Assignment [Assignment 3: Animal Page](#)	due by 11:59pm
	Discussion Topic [Discussion 2: History of the Web](#)	due by 11:59pm
Mon Feb 12, 2024	Assignment [Assignment 4: Linking + Embedding](#)	due by 11:59pm
Mon Feb 19, 2024	Assignment [Assignment 5: Adding Media](#)	due by 11:59pm
	Discussion Topic [Discussion 3: Web Accessibility](#)	due by 11:59pm
Mon Feb 26, 2024	Assignment [Assignment 6: Styling](#)	due by 11:59pm
	Quiz [Quiz 1](#)	due by 11:59pm
Mon Mar 4, 2024	Assignment [Assignment 7: Fonts and colors](#)	due by 11:59pm
	Discussion Topic [Discussion 4: Design Theory](#)	due by 11:59pm

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Date	Details	Due
Mon Mar 11, 2024	Assignment [Midterm Project: About an Animal](#)	due by 11:59pm
Mon Mar 18, 2024	Quiz [Midterm Exam](#)	due by 11:59pm
	Discussion Topic [Midterm Project Discussion](#)	due by 11:59pm
Mon Mar 25, 2024	Assignment [Assignment 10: Decorated Boxes](#)	due by 11:59pm
	Discussion Topic [Discussion 5: CSS Box Model](#)	due by 11:59pm
Mon Apr 1, 2024	Assignment [Assignment 11: Organizing Elements](#)	due by 11:59pm
Mon Apr 8, 2024	Assignment [Assignment 12: Composing Layouts](#)	due by 11:59pm
	Discussion Topic [Discussion 6: Responsive Design](#)	due by 11:59pm
Mon Apr 15, 2024	Assignment [Assignment 13: Responsive Pages](#)	due by 11:59pm
	Quiz [Quiz 2](#)	due by 11:59pm
Sun Apr 21, 2024	Assignment [Assignment 14: Organizing Data](#)	due by 11:59pm
	Discussion Topic [Discussion 7: Interaction Design](#)	due by 11:59pm
Mon May 20, 2024	Assignment [Assignments 15: Interactive Forms](#)	due by 11:59pm
	Quiz [Final Exam](#)	due by 11:59pm
	Assignment [Final Project: You build it](#)	due by 11:59pm