



## Computer and Technology Programs

# Web Design Certificate Capstone Course Syllabus

### Course Summary

The Capstone seminar allows students to synthesize the skills and knowledge from the certificate courses while presenting a website they have designed, documented and built. Class activities simulate the processes of working with a client from initial interview through final project presentation.

This course is required for participants in the Web Design Certificate Program, and enrollment is limited to certificate students who have completed all the required courses.

***Student presentations make up at least 50% of the Capstone Project course.***

### Prerequisites

Before enrolling in the Capstone seminar, students need to have completed all required courses for the Web Design Certificate (electives may be taken simultaneously). The following progress should have been made on the project website: the client chosen, the client interview and audience analysis completed, and the preliminary site design in process.

*The above prerequisites are considered to be the basic skills and knowledge needed prior to taking this class. Instructors will assume your readiness for the class materials and will NOT use class time to discuss prerequisite materials.*

### Course Objectives

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

- Produce and present detailed documentation of the information gathered from the client interview and user research.
- Develop and present the detailed site organization and the design specifications.
- Document and present the site implementation plan and the usability test.
- Present the published website.

## Course Requirements

Participants must attend a minimum of 70% of class sessions and successfully complete the project website to receive a certificate of completion. Please remember that certificates are issued at the discretion of the instructor.

## Help with Canvas

The [How to: Get Started with Canvas](#) site provides instructions and links to additional resources.

## Agenda and Assignments

The agenda below lists the topics covered in this class and related activities. Some topics have related exercises and for some topics we review the information in the book. Not all topics in the lessons will be covered.

### Session 1 Seminar Orientation

- Review of project requirements
- Review of class session requirements

### Session 1 Assignments

- Lecture/Discussion

### Session 2 Project documentation – focus on the client and audience

- The identification of the client and analysis of the client's needs
- The purpose of the website including:
  - Mission Statement
  - SMART objectives
  - Success metrics
- A description of the audience including:
  - Summary of audience characteristics
  - A persona of a typical user
  - A scenario of how that user would successfully utilize the website
- A comprehensive list of potential website topics

### Session 2 Assignments

- Student presentation
- Written documentation
- Student/instructor feedback

### Session 3 Project documentation – focus on the site organization and design

- A detailed and accurate site architecture diagram
- A navigation plan based on the site architecture diagram
- The detailed page wireframes
- The design specifications
  - Fonts

- Colors
- Graphics and/or multimedia (including source)
- The page mockups

### Session 3 Assignments

- Student presentation
- Written documentation
- Student/instructor feedback

### Session 4 Project documentation – focus on implementation and usability testing

- The methods used to write and validate the HTML and CSS.
- The techniques used to meet the accessibility requirements.
- The list of keywords for site optimization
  - How they were determined.
  - How they have been implemented.
- JavaScript, jQuery or other scripting languages.
  - How they were used to present site content.
- The usability testing plan.
  - The list of tasks performed by the users.
  - The methodology for conducting the usability test.
  - The problems identified by the usability test.
  - The modifications made to the site as a result of usability testing.
- The publishing plan.
  - The domain name selected.
  - The web hosting service selected

### Session 4 Assignments

- Student presentation
- Written documentation
- Student/instructor feedback

### Session 5 Formal presentation of Capstone Project

- Presentation of project website

### Session 5 Assignments

- Student presentation
- Written documentation
- Student/instructor feedback

## **General Course Recommendations and Requirements**

Please turn off all electronic devices during class times. If it is absolutely necessary to leave a device on, please make certain it is in silent mode.

Please limit non-class computer usage to breaks as excessive/noisy keyboarding can be disturbing to the students around you.

## **Bellevue College Email and access to MyBC**

All students registered for classes at Bellevue College are entitled to a network and e-mail account. Your student network account can be used to access your student e-mail, log in to computers in labs and classrooms, connect to the BC wireless network and log in to MyBC. To create your account, go to: [Create Email](#).

BC offers a wide variety of computer and learning labs to enhance learning and student success. Find current campus locations for all student labs by visiting the [Information Technology Service Desk](#).

## **Affirmation of Inclusion**

Bellevue College is committed to maintaining an environment in which every member of the campus community feels welcome to participate in the life of the college, free from harassment and discrimination. We value our different backgrounds at Bellevue College, and students, faculty, staff members, and administrators are to treat one another with dignity and respect.

## **Religious Holidays**

Students who expect to miss classes, examinations, or any other assignments as a consequence of their religious observance should be provided with a reasonable alternative opportunity to complete such academic responsibilities. It is the obligation of students to provide faculty with reasonable notice of the dates of religious holidays on which they will be absent, preferably at the beginning of the term. Students who are absent on days of examinations or class assignments should be offered an opportunity to make up the work without penalty (if they have previously arranged to be absent), unless it can be demonstrated that a makeup opportunity would constitute an unreasonable burden on a member of the faculty. Should disagreement arise over what constitutes an unreasonable burden or any element of this policy, parties involved should consult the department chair, or Dean.

## **College Anti-Discrimination Statement**

Bellevue College does not discriminate on the basis of race or ethnicity; color; creed; national origin; sex; marital status; sexual orientation; age; religion; genetic information; the presence of any sensory, mental, or physical disability; gender identity or veteran status in educational programs and activities which it operates.

## **Confidentiality and Mandatory Reporting**

As an instructor, one of my responsibilities is to help create a safe learning environment on our campus. It is my goal that you feel able to share information related to your life experiences in classroom discussions, in your written work, and in our one-on-one meetings. I will seek to keep information you share private to the greatest extent possible. However, I am required to share with the Title IX Coordinator any and all information regarding sexual assault and other forms of sexual misconduct (e.g. dating violence, domestic violence, stalking) that may have occurred on campus or that impacts someone on campus. Students may speak to someone confidentially by contacting the BC Counseling Center at (425) 564-2212. The Title IX Office can be contacted at 425-564-2441 and more information can be found at the [Title IX web page](#).

For further information and contacts, please consult [College Anti-Discrimination Statements](#).

## Accommodation

The Disability Resource Center serves students with disabilities. A disability includes any physical or mental impairment that substantially limits one or more major life activities. Common disabilities include physical, neurological (e.g. Autism, ADD), and mental health (e.g. depression, anxiety). If you are a student who has a disability or if you think you may need accommodations in order to have equal access to programs, activities, and services, please contact the DRC.

If you require assistance in an emergency, please meet with your individual instructors to develop a safety plan for while in class and contact the DRC to develop a safety plan for while you are elsewhere on campus.

If you are a student with a documented autism spectrum disorder, there is an additional access program available to you. [Contact Autism Spectrum Navigators](#) (ASN). Email and phone number is on the web page. ASN is located in the Library Media Center in D125.

The DRC office is located in building B Room 132. You can contact the DRC by stopping by B132, calling our desk at 425-564-2498, emailing [drc@bellevuecollege.edu](mailto:drc@bellevuecollege.edu), and Deaf students can reach us by Skype (account name **DRCatBC**).

For more information about the services we offer, including our Initial Access Application, visit the [Disability Resources](#) website.

Below is a list of the long URLs used in this document:

How to: Get Started with Canvas	<a href="https://bellevuecollege.teamdynamix.com/TDClient/KB/ArticleDet?ID=23811">https://bellevuecollege.teamdynamix.com/TDClient/KB/ArticleDet?ID=23811</a>
Anti-Discrimination Statements and Title IX:	<a href="http://www.bellevuecollege.edu/titleix">http://www.bellevuecollege.edu/titleix</a>
Create your Bellevue College email:	<a href="https://www.bellevuecollege.edu/netid/">https://www.bellevuecollege.edu/netid/</a>
IT Service Desk:	<a href="http://depts.bellevuecollege.edu/helpdesk/students/">http://depts.bellevuecollege.edu/helpdesk/students/</a>
Autism Spectrum Navigators:	<a href="http://www.bellevuecollege.edu/autismspectrumnavigators">http://www.bellevuecollege.edu/autismspectrumnavigators</a>
Disability Resource Center:	<a href="http://www.bellevuecollege.edu/drc">http://www.bellevuecollege.edu/drc</a>