

## ITD 210

### Web Page Design II

### Course Syllabus

---

Instructor	Chris Jones
Sessions	Spring 2025
Meeting (A Day)	8:00 am - 9:24 am
Meeting (B Day)	11:32 am - 12:55 pm
Location	Arlington Career Center, Room TBD
Contact	cmj2310@email.vccs.edu

---

### Course Description

Incorporates advanced techniques in web site planning, design, usability, accessibility, advanced site management, and maintenance utilizing web editor software(s).

### General Course Purpose

This course builds on the web design skills learned in ITD110. It concentrates on creating professional quality webs sites. The course covers planning, design, coding and testing web sites with a focus on creating a robust and appropriate user interface. Students will move beyond the basics and work with dynamic web sites, writing scripts and understanding the importance of database integration.

### Course Prerequisites/Co-Requisites

- College level reading and writing ability

### Course Objectives

Upon completing the course, the student will be able to:

1. Expand on knowledge and implementation of basic web design concepts, features, and HTML/CSS conventions offered in Web Design I
2. Use a versatile and visual editor
3. Create web sites with existing and emerging client-side technologies such as HTML, CSS, JavaScript, jQuery and DOM
4. Use advanced techniques for producing professional quality static and dynamic web sites
5. Publish sites to a web server using various technologies, including File Transfer Protocol (FTP)

6. Employ current technology to create web sites using site administration tools, templates, scripting graphics and multimedia
7. Identify and describe current technologies for database integration1. knowledgeable in current web page creation technologies.

## Major Topics to be Included

1. Web design concepts, features, HTML5 and CSS conventions
2. The purpose of Web design
3. The Web design process
4. Defining the target audience
5. Site organization principles
6. Effective site navigation
7. Proper page design
8. Compliance with Section 508 accessibility standards
9. Validating HTML and CSS against W3C standards
10. Implementing AJAX
11. Ethical use of information on the Web, such as copyright requirements
12. Responsive design technologies

## Student Outcomes

### Web Site Management

- Describe the use of search engine optimization (SEO) techniques
- Apply search engine optimization techniques, such as meta tags
- Recognize the types and importance of site analytics
- Illustrate the proper use of file management techniques to organize projects, files and folders on the web server and local drives
- Distinguish the typical site statistics and how they are used to manage a web site

### Site Architecture

- Explain the options for site organization (hierarchical, linear, etc)
- Develop a diagram of the web project (site map / storyboard)

### JavaScript

- Utilize JavaScript including Control Structures, Functions, Objects and DOM
- Use JavaScript libraries

### Database integration technologies

- Describe current server-side frameworks
- Identify the database technologies used for backend processing

### Produce web sites

- Develop static web pages
- Develop dynamic web pages
- Develop professional quality web sites
- Use new features of HTML5 and CSS

### Publishing

- Evaluate types of Web host providers

- Use File Transfer Protocol (FTP)
- Utilize meta tags
- Manage files and folders on a web server

#### Templates / Libraries

- Demonstrate the use of templates in web design
- Choose appropriate template designs
- Incorporate CSS in template designs

#### Other Optional Content

- jQuery
- JSON
- RSS
- Database Integration
- XML
- Multimedia software authoring tools
- Graphics editing software
- Manipulation of CSS

## Time Allocation Per Topic

In order to standardize the core topics so that a course taught at one campus is equivalent to the same course taught at another campus, the following student contact hours per topic are required. Each syllabus should be created to adhere as closely as possible to these allocations. Of course, the topics cannot be followed sequentially. Many topics are taught best as an integrated whole, often revisiting the topic several times, each time at a higher level. There are normally 45 student-contact-hours per semester for a three credit course. (This includes 15 weeks of instruction and does not include the final exam week so  $15 * 3 = 45$  hours. Sections of the course that are given in alternative formats from the standard 16 week section still meet for the same number of contact hours.) The final exam time is not included in the time table. The category, Miscellaneous, leaves ample time for an instructor to tailor the course to special needs or resources.

Topic	Hours	Percentage
Web design concepts, features, HTML5 and CSS conventions	12	26.7%
Web Site Management	3	6.6%
Site Architecture	2	4.4%
JavaScript	9	20%
Database Integration Technologies	3	7%
Produce web sites	7	13.4%
Publishing	2	4.4%
Templates / Libraries	1	2.2%
Other Optional Content	6	15.6%
<b>Total</b>	<b>45</b>	<b>100%</b>

## Required Instructional Materials

- Edube Online Curriculum
- Other freely available resources as provided by instructor

## Course Credit: 3 Credits

### Policies

#### I. Expectations

- A. This Dual Enrollment class is a rigorous, college level course that will require sustained and consistent engagement from students.
- B. An average of 40 minutes of homework will be assigned for each 90 minutes in class. We will be utilizing a flipped classroom learning environment, where the lecture portion of the course material will be viewed individually at home before class meets, and class time will be used for collaborative engagement and discussion.
- C. Frequent “mini quizzes” at the beginning of class will be used to be sure homework readings and practice have been completed. To be successful in this class, students will be expected to be prepared for these quizzes when they arrive in class.
- D. Our class follows college policies. Late work is not accepted, and retakes are not provided.
- E. To ensure that students understand and are prepared for these expectations, all students are expected to complete a **DE Expectations Contract** at the beginning of the school year. For DE classes that span two semesters, a single contract at the beginning of the school year covers both.

#### II. Grading Policies

- A. Grading Scale: A= 100 - 90 B= 89 - 80 C= 79 - 70 D=69 - 60 F= 59 and below
- B. Students will receive a weekly cumulative letter grade that will incorporate daily quizzes, tests, projects, and presentations. These weekly evaluations can be challenged by the student, but only during the week immediately following when the evaluation is given.
- C. The average of the weekly evaluations will make up 60% of the final grade, with the course final exam making up 40%.
- D. In cases where district grading policies conflict with college grading policies, the high school and college grades may differ; this may include assignment/test retakes, extended assignment due dates, capped minimum grade allowed, among other such district policies.
- E. It is important that students check their final NOVA grades in SIS as soon as their course is completed.
- F. Course Grade Appeals
  - i. Students who think that a semester grade is in error should contact the instructor immediately to present their concerns. Students who wish to appeal their grade or otherwise report a grievance will need to submit Form 125-021 within 20 days of the end of the semester. The original grade will stand if the student delays in submitting their appeal.
  - ii. NOVA’s Student Grievance policy can be found here: [https://www.nvcc.edu/policies/\\_files/608-Student-Grievances.pdf](https://www.nvcc.edu/policies/_files/608-Student-Grievances.pdf)
  - iii. Form 125-021 can be found here: <https://www.nvcc.edu/forms/>

#### III. Course Policies

##### A. Student Rights and Responsibilities

- i. Students should be familiar with the college’s specific expectations concerning the conduct of its students. These expectations apply to all students, including Dual Enrollment students.
- ii. Student Rights and Responsibilities are outlined in the Student Code of Conduct, found here: <https://www.nvcc.edu/students/handbook/conduct.html>

##### B. Academic Integrity

- i. Academic integrity requires that you recognize and acknowledge information derived from others and take credit only for ideas and work that are yours. It should be the guiding principle for all that you do, from taking assessments and making presentations to writing papers. More about academic integrity at NOVA can

- be reviewed on the Student Conduct and Integrity page on the NOVA website: <https://www.nvcc.edu/students/handbook/conduct.html>.
- ii. Violating the Academic Integrity Policy will incur consequences. Your instructor may give you a failing grade for the assignment or for the course. Further, you may be referred to NOVA Cares, reported to an academic dean, or even referred to the Dean of Students for disciplinary action depending on how serious an infraction was committed.
  - iii. Please review NOVA's Academic Integrity Policy here: [https://www.nvcc.edu/policies/\\_files/224-Academic-Integrity.pdf](https://www.nvcc.edu/policies/_files/224-Academic-Integrity.pdf).
- C. Accommodations and Accessibility Services
- i. NOVA is committed to ensuring all students have an opportunity to pursue a college education regardless of the presence or absence of a disability. Information on NOVA's Accommodations and Accessibility Services, including how to reach a Accommodations and Accessibility Services counselor, can be found here: <https://www.nvcc.edu/accommodations>.
  - ii. Students must reach out to contact NOVA's Accommodations and Accessibility Services to apply for accommodations. A student with a 504 plan or IEP at their high school will still need to apply with NOVA's Accommodations and Accessibility Services – those plans do not automatically carry over to your Dual Enrollment course. If accommodations are agreed upon, students will receive a Memorandum of Accommodation (MOA) by AAS. All information is kept confidential and may increase your chances of success in the academic setting.
- D. Advocacy and Privacy of Student Records
- i. Students are expected to reach out to their instructor if they do not understand content or expectations.
  - ii. You, as a NOVA student, have a right to review your NOVA grades and other records. Your high school may share grades and other records with NOVA, and NOVA will share your post-secondary (college) grades with your high school. The grades you earn at NOVA are part of a permanent transcript, and you will be required to include your NOVA transcript as part of any future college or graduate school application. NOVA instructors and other college personnel generally may not release a student's educational records without written consent of the student. For dual enrolled students under 18, parents or guardians may generally access records and grades which are created by or shared with a student's high school. For the purposes of these privacy rules, your Dual Enrollment instructor is considered a NOVA employee.
  - iii. To grant parents or guardians direct access to NOVA records, students will be required to submit a notarized copy of NOVA Form 125-356, found here: <https://www.nvcc.edu/forms/pdf/125-356.pdf>.
  - iv. For more information about student privacy, parent limitations of access to students' educational records, and other restrictions on sharing students' personally identifiable information, please review NOVA Policy 613 (FERPA): [https://www.nvcc.edu/policies/\\_files/613-FERPA.pdf](https://www.nvcc.edu/policies/_files/613-FERPA.pdf).
- E. Campus Services
- i. Dual enrolled students have access to full NOVA campus services to include tutoring, library, and counseling services; student resources are found here: <http://www.nvcc.edu/students/index.html>.
- F. Office of Wellness and Mental Health
- i. During your time at NOVA, you may experience challenges including struggles with academics, finances, or your personal well-being. NOVA has support resources available. If you are seeking resources and support or if you are worried about a friend or classmate: <https://www.nvcc.edu/wellness/index.html>.
- G. Course Drop and Withdrawal Policy
- i. Please note two important dates related to your enrollment in a course:

- a. The “Drop” date (also known as census date) for a course is the last day to drop a course. Dropping a course before the drop date will not appear on your NOVA transcript.
- b. The “Withdrawal” date is the last day to withdraw without a grade penalty. Dropping a course after the drop date and before the withdrawal date will result in a ‘W’ grade appearing on your transcript.
- c. To identify these dates for your dual enrollment course, please see below on the ‘Course Schedule’ chart or log into your myNOVA account and SIS.
- ii. Withdrawal Process
  - a. Dual enrolled students are responsible for requesting to drop or withdraw from their DE classes, using Form 125-03, found at the following link: <https://dashboard.nvcc.edu/Forms/125-03>
  - b. Dual enrolled students will use their myNOVA credentials to access the withdrawal form and will select one or more enrolled DE classes to withdraw.
  - c. The withdrawal form is then routed to the assigned DE instructor and the Office of Dual Enrollment for review and approval.
  - d. Check your VCCS email for the status of your request.
- H. Communication
  - i. Students are required to use their VCCS email accounts (\_\_\_\_@email.vccs.edu) to communicate with college personnel and should check their email accounts regularly. Students may access their VCCS email accounts through myNOVA.
- I. Title IX
  - i. Title IX is a civil rights law that prohibits discrimination on the basis of sex in educational programs, activities, admission and employment. Complaints of sex-based discrimination, sexual violence, domestic violence, and sexual or gender-based harassment are governed by the Title IX Policy. For more information about Title IX or to make a report: <https://www.nvcc.edu/titleix/index.html>.
- IV. Additional Course Information
  - A. DE students are expected to engage in college level course contents and discussions appropriate for adult learners. Mature topics may be discussed.
- V. Course Schedule
- VI. Course Schedule
  - A. Critical Course Dates
    - Course Start Date: Monday, February 3, 2025
    - Course Drop Date: Monday, February 24, 2025
    - Course Withdrawal Date: Friday, April 25, 2025
    - Final Exam Date: Week of June 9 to 12, 2025
    - Course End Date: Thursday, June 12, 2025
  - B. Final Exam Date: The final exam will be given during the last week of class, between Monday, June 9 and Thursday, June 12.