

## INF 201: Introduction to Web Technologies (9070) (3 Credits)

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**Semester:** Fall 2021

**Day/Time:** Thursdays from 6:00 – 8:50pm

**Location:** Science Library G12

**Instructor:** Professor Christopher Velez

**Contact:** cvelez@albany.edu

**Office Location and Hours:** Online through Zoom on Mondays from 7-9pm and by appointment:

<https://albany.zoom.us/j/98453681080?pwd=b1RaN0szaENHNm4rRzh5YmRVMFhDUT09>

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### Course Description:

A technique-oriented introduction to client-based Web design and development technologies, including HTML/XHTML, CSS, JavaScript, digital imaging, file formats, etc.; also the elements of UNIX and networks necessary to understand and implement basic information management and transfer. Prerequisite(s): C INF 100 or by permission of instructor.

### Course Structure and Requirements:

Through hands-on activities, assessments, and a final project, students will learn to build aesthetically pleasing websites that meet modern web development standards. Active participation in the course will ensure that you are able to understand the content. This course is cumulative in nature and new topics will stem from previously learned material. Missing too much work will result in you falling behind.

### Course Learning Objectives:

Upon completion of the course, students should be able to accomplish the following activities:

- Apply basic information management and transfer techniques
- Use current client-based Web tools to make and modify web pages
- Solve issues with webpage code that prevent them from validating according to current standards
- Produce a website that is hosted on the University at Albany server
- Implement accessibility features and basic web design principles

### Prerequisites:

C INF 100 or by permission of instructor.

### Grading:

This course is A-E graded and the grades are determined based on graded assignments:

Final Project: 50%

- Project Proposal: 10pts
- Midterm: 15pts

- Final Project Presentation: 5pts
- Final Project Submission: 20pts

Assignments: 40%

Participation: 10%

Your final grade will be based on a scale of 100 points:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
100-94	93-89	88-85	84-82	81-79	78-76	75-73	72-70	69-67	66-64	63-60	59-0

### Required Readings:

There is no assigned textbook. Most information regarding HTML, CSS, JS, etc. can be found on the web. In fact, there are many free services and videos out there which will cover the same things we do in this course.

However, I will still assign readings on a weekly basis. These readings will assist you with the material covered during that week and the next one as well. Students are expected to complete the assigned readings prior to assignments, discussions, and assessments. In addition to the readings, I will provide coded examples with comments to explain the code in further detail.

### Software Packages:

- Microsoft Word/PowerPoint (see below for alternatives)
- An FTP client such as FileZilla
- A text editor program (Brackets.io and Notepad++ are both free and solid editors)
- Image editor such as GIMP or Paint.NET
- A VPN if you work off campus (VPN GlobalProtect Client)

For this course, you will be creating some images in addition to web pages. This will require the usage of a text editor and image editor. You can use any you want, but for my examples, I will be working predominantly in Brackets.io and Paint.NET as I am most familiar with them. If you do not have access to MS Word or PowerPoint, you can also use Libre Office or Open Office and they should be able to open my documents.

### Course Format:

This course is offered in a fully in person format. The instructor will be available on Monday from 7-9pm and by appointment. Students will complete class work and assignments independently using the Blackboard Learning System (BLS). If they are not familiar with Blackboard, they may please visit the Blackboard help pages for students: <http://ondemand.blackboard.com/students.htm> and [https://help.blackboard.com/en-us/Learn/9.1 SP 12 and SP 13/Student](https://help.blackboard.com/en-us/Learn/9.1_SP_12_and_SP_13/Student)

## Course Outline:

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An asterisk indicates that a major part of the Final Project is due. A red x indicates that there will be no class held during that week.

Week #	Date	Class Topic
1	8/26	Intro to Course/What is Web Development?
2	9/2	Website Planning
3	9/9	Introduction to HTML
4	9/16	HTML II
5	9/23	HTML III
6*	9/30	Introduction to CSS (Project Proposal Due)
7	10/7	CSS II
8	10/14	CSS III
9	10/21	Introduction to JavaScript
10*	10/28	JavaScript II (Midterm Due)
11	11/4	JavaScript III
12	11/11	JavaScript IV/JQuery
13	11/18	Special Topic (Responsive Web Design)
X	11/25	THANKSGIVING BREAK
14*	12/2	Final Project Presentation Due
*	12/14	Final Project Submission Due

## Course Policies:

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**Attendance Policy:** It is your responsibility to make it to class on time each week. You have a 5-minute grace window to show up late to the course. Multiple instances of late arrival will result in a deduction to your participation grade. If you feel you cannot make it on time regularly, please send me an email in advance and I will try to work something out with you.

**Absence Due to Religious Observance:** New York State Education Law (Section 224-a) - Campuses are required to excuse, without penalty, individual students absent because of religious beliefs, and to provide equivalent opportunities for make-up examinations, study, or work requirements missed because of such absences. Faculty should work directly with students to accommodate religious observances. Students should notify the instructor of record in a timely manner.

**Missed Exams and Assignments:** Assignments are typically due about a week after they are given to you. If you submit your assignment by the deadline, you are permitted unlimited resubmissions for up to half of the credit that was lost. If your assignment is submitted after the deadline, you lose the ability to resubmit your work and must accept the grade given. If you feel you will not have enough time to complete an assignment, you must reach out to me at least 48 hours before the deadline to request an extension. There are no late penalties for your work, so you can submit it whenever you want. However, it is the most beneficial to submit it on time, so you can resubmit it for more credit.

**Final Project Policy:** The submissions for the different parts of the final project can be late but will be subject to a 5% late penalty per day. The Proposal and Midterm can be resubmitted for up to half of the credit that was lost if they are submitted by the deadline. Midterms, Final Project Reviews, and the Final Project Submission will not be accepted without an approved Project Proposal first.

**Disability Policy:** Reasonable accommodations will be provided for students with documented physical, sensory, systemic, medical, cognitive, learning and mental health (psychiatric) disabilities. If you believe you have a disability requiring accommodation in this class, please notify the Disability Resource Center (518- 442-5490; drc@albany.edu). Upon verification and after the registration process is complete, the DRC will provide you with a letter that informs the course instructor that you are a student with a disability registered with the DRC and list the recommended reasonable accommodations.

**Extra Credit:** Extra credit can be earned in a number of ways. All require consultation with the instructor before they are commenced. All extra-credit opportunities are capped at no more than 5 points (5%) of your overall grade.

*Community:* CEHC sponsors several events throughout the semester. Any student who attends one or more of those events may receive extra credit.

Other extra credit opportunities may be available. Details to follow.

**Withdrawal from the Course:** The drop date for the Fall 2021 semester is November 1 for undergraduate students. That is the last date you can drop a course and receive a 'W'. It is your responsibility to take action by this date if you wish to drop the course. In particular, grades of "incomplete" will not be awarded to students because they missed the drop deadline.

**Cell phones & laptops:** Please make sure your electronic devices are turned off before entering the classroom unless we are doing a class exercise where they are helpful. Use of phones, tablets, computers, etc. for non-class purposes during class will count against you in your class participation grade. While you may be using computers in class, texting, using Facebook, *etc.*, are not appropriate uses of class time and your instructor-evaluated grade will suffer for it.

**I/Incomplete:** No graduation credit. A temporary grade requested by the student and assigned by the instructor ONLY when the student has nearly completed the course requirements but because of circumstances beyond the student's control, the work is not completed. The incomplete should

only be assigned on the basis of an agreement between the instructor and the student specifying the work to be completed and establishing a general timeline in which the work will be completed. **Incompletes may NOT be resolved by auditing or registering again for a subsequent offering of the course.** The date for the completion of the work may not be longer than one month before the end of the semester following that in which the incomplete is received. Once the work is completed, the instructor assigns the appropriate academic grade.

The instructor may extend an incomplete for a maximum of one semester beyond the original deadline providing that the student has made contact with the instructor to request the extension. Additional extensions are NOT permitted.

Any grade of I existing after the stated deadline shall be automatically changed to E or U according to whether or not the student is enrolled for A–E or S/U grading. Except for extenuating circumstances approved by the Office of the Vice Provost for Undergraduate Education, these converted grades may not be later changed.

*Important:* Incompletes will not be given to students who have not fulfilled their classwork obligations, and who, at the end of the semester, are looking to avoid failing the course. This is asking for special treatment.

**Academic Integrity:** It is every student's responsibility to become familiar with the standards of academic integrity at the University. Claims of ignorance, of unintentional error, or of academic or personal pressures are not sufficient reasons for violations of academic integrity. See [http://www.albany.edu/undergraduate\\_bulletin/regulations.html](http://www.albany.edu/undergraduate_bulletin/regulations.html)

Course work and examinations are considered individual exercises. Copying the work of others is a violation of university rules on academic integrity. Individual course work is also key to your being prepared and performing well on tests and exams. Forming study groups and discussing assignments and techniques in general terms is encouraged, but the final work must be your own work. For example, two or more people may not create an assignment together and submit it for credit. If you have specific questions about this or any other policy, please ask.

The following is a list of the types of behaviors that are defined as examples of academic dishonesty and are therefore unacceptable. Attempts to commit such acts also fall under the term academic dishonesty and are subject to penalty. No set of guidelines can, of course, define all possible types or degrees of academic dishonesty; thus, the following descriptions should be understood as examples of infractions rather than an exhaustive list.

- Plagiarism
- Allowing other students to see or copy your assignments or exams
- Examining or copying another student's assignments or exams
- Lying to the professor about issues of academic integrity
- Submitting the same work for multiple assignments/classes without prior consent from the instructor(s)
- Getting answers or help from people, or other sources (*e.g.* research papers, web sites) without acknowledging them.

- Forgery
- Sabotage
- Unauthorized Collaboration (just check first!)
- Falsification
- Bribery
- Theft, Damage, or Misuse of Library or Computer Resources

Any incident of academic dishonesty in this course, no matter how "minor" will result in

- No credit for the affected assignment.
- A written report will be sent to the appropriate University authorities (e.g. the Dean of Undergraduate Studies)
- One of -
  - A final mark reduction by *at least* one-half letter grade (e.g. B → B-, C- → D+),
  - A Failing mark (E) in the course, and referral of the matter to the University Judicial System for disposition.

All course material and documents developed by the instructor are copyrighted and may not be reproduced or distributed without express written permission.

**Responsible Use of Information Technology:**

<https://wiki.albany.edu/display/public/askit/Responsible+Use+of+Information+Technology+Policy>

**Style Manuals and Guidelines:** Written assignments and papers should be word-processed and double-spaced in Microsoft Word. Students are required to cite sources, if any are used in their written reports, according to the American Psychological Association (APA) or Turabian style manual (not both).

- American Psychological Association. 2001. *Publication manual of the American Psychological Association*, 5th Edition. Washington, DC: American Psychological Association.
- Turabian, K. L. (2013). *A manual for writers of research papers, theses, and dissertations: Chicago Style for students and researchers* (8th Ed.). Chicago: University of Chicago Press.

Style manuals are available in the reference sections of many mainstream bookstores and reserve sections of University Libraries, including the Dewey Library.

**Time Management:** For every credit hour that a course meets, students should expect to work 2 additional hours outside of class every week (3 x 2= 6). For a three-credit course you should expect to work 6 hours outside of class every week. Manage your time effectively to complete readings, assignments, and projects.

Note carefully the intermittent nature of the workload in this course. You will be expected to complete an entire sections' reading before the first class, when you will be tested both individually and as a team on it. Outside assignments will then be relatively light until the next

section begins. Each section also culminates with an individual assignment which draws together the material from that section. This assignment is due before the next section begins. Thus, after the first section, you will have both reading for the new section AND an assignment for the prior section due on the same day—the first class in the new section.

**Instructor Availability:** The instructor will be available for student consultation during office hours, by appointment, and online in Blackboard. Students are expected to check Blackboard messages (internal) at least once every day to see whether the instructor is trying to reach them. Students should not assume that instructor is online 24 hours a day, 7 days a week, to answer your questions immediately (even though the instructor will try to do so as much as possible).

**Courtesy** In class (online) discussions the instructor and students are expected to demonstrate professional behavior. This means cooperating and interacting in a courteous, supportive, and tactful manner based on mutual respect for each other's ideas.

**Students and professor should be professional at all time. Faculty should be addressed as Prof. XXX or Dr. XXX. Emails should be addressed “Dear...” and end with a “Thank you.”**  
*Disrespect in any form in any CEHC class will not be tolerated.*

**Respect for Diversity:** It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students’ learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.<sup>1</sup>

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<sup>1</sup> Respect for Diversity statement from <https://www.brown.edu/sheridan/teaching-learning-resources/inclusive-teaching/statements>