Faculty of Computer Science
Goldberg CS Building, 6050 University Ave.

DALHOUSIE UNIVERSITY

Course Title: Introduction to Web Development
Semester: Summer 2019
Class Time: 1:30 to 4 pm
Credit Value: Pass/Fail
Instructor: Elham Etemad
Email: e.etemad@dal.ca

Class Day: Mon/Wed/Thur
Class Location: Dunn 301 B

Office Location: Goldberg 4th floor

TA: Balaji Dhakshinamoorthy (bl977277@dal.ca)

COURSE DESCRIPTION

This class introduces students to key web concepts and skills for creating and maintaining websites. Topics include, but are not limited to, introduction to the Web, hypertext markup languages such as HTML5, style sheets, and client-side programming.

Goals

By the end of this class you will:

- Be familiar with the software necessary to construct a basic website
- Have a working understanding of the HTML, CSS, and JavaScript languages - the basic computer languages required to construct a website
- Possess basic problem-solving skills relatable to programming

TEXTBOOK AND READINGS

These sources have been selected as textbooks for this course. The corresponding chapters are elaborated in Table 1.

1. *Internet & World Wide Web: How to Program*, 5th Edition, Deitel, Pearson, 2012
2. *HTML and CSS: Design and Build Websites*, Jon Duckett, Wiley, 2011
3. *JAVASCRIPT & JQUERY, Interactive Front-End Web Development*, Jon Duckett, Wiley, 2014

Extra resource:

- www.w3schools.com

EXAMINATION REQUIREMENTS

In each session of the course, the students must submit all their codes using Brightspace. They must do a self-assessment in each session measuring their progress. Final deliverables of this course are a project and its showcase that are due August 15th, 2019.

PROJECT WORK

The course project is aimed at helping you conceptualize, design and develop a website, based on a set of requirements. This is a way to test your ability to apply the concepts you have learned in the course, and by yourself, in designing effective websites. This will also help you in being able to develop websites in the workplace, be it for your own personal / research purposes, or for a client.
The projects should be done individually and during the class time. The students can work on their projects outside the class, but they are encouraged not to do so. Students' deliverables may be used by Dalhousie university and a consent form will be provided for the students before starting their projects.

SHOWCASE PRESENTATION

In the showcase presentation, the students must prepare for 7-10 minutes presentation of their work. This presentation should contain the student's theme of project, general design components, and the way they designed their websites. If students utilized something unique in their design, they must present the way they have done that.

Table 1. TENTATIVE CLASS SCHEDULE

Weeks	Sessions	Overall	Contents
Week 1 (22-26 July)	22 July	Introduction	• Student, instructor introduction • Introduction to Course • Make tools ready • Test proficiency level • Edit and validation • Heading
	24 July	HTML5 Book 1, Chapter 2	• Linking • Images • Lists • Tables
	25 July	HTML5 Book 1, Chapters 2,3	• Forms • Auto complete Attribute • Page structure elements
Week 2 (29 July – 2 August)	29 July	CSS3 Book 2, Chapter 10, 11	• Introduction to CSS • Color
	31 July	CSS3 Book 2, Chapter 12, 13	• Text • Boxes
	1 August	CSS3 Book 2, Chapter 16, 14	• Images • Lists, Tables, Forms
Week 3 (6-9 August)	7 August	CSS3 Book 2, Chapter 15	• Layout • Responsive design
	8 August	JavaScript Book 1, Chapters 9, 12	• Functions • DOM • Dynamic Style
Week 4 (12-16 August)	12 August	JavaScript Book 1, Chapter 13	• Events
	14 August	Final Session	• Project Completion
	15 August	Project Demo and Presentations	

COURSE COMMUNICATIONS

The course communication would be in class, or through Brightspace. Any announcement would be uploaded to the Brightspace and it's the student's responsibility to regularly check the website.

GRADING SCHEME

This course is a pass/fail course where the decision will be made by considering the student's engagement during the class, their self-assessments for each session, their progress in each session, quality of their delivered project, and the showcase presentation. The creativity on designing the website is encouraged and will be valued.

ACADEMIC INTEGRITY

At Dalhousie University, we respect the values of academic integrity: honesty, trust, fairness, responsibility and respect. As a student, adherence to the values of academic integrity and related policies is a requirement of being part of the academic community at Dalhousie University.

What does academic integrity mean?

At university, we advance knowledge by building on the work of other people. Academic integrity means that we are honest and accurate in creating and communicating all academic products. Acknowledgement of other people's work must be done in a way that does not leave the reader in any doubt as to whose work it is. Academic integrity means trustworthy conduct such as not cheating on examinations and not misrepresenting information. It is the student's responsibility to seek assistance to ensure that these standards are met.

How can you achieve academic integrity?

- Make sure you understand Dalhousie's policies on academic integrity (see http://academicintegrity.dal.ca/Policies/)
- Give appropriate credit to the sources used in your written or oral work. This includes computer codes/programs, artistic or architectural works, scientific projects, performances, Webpage designs, graphical representations, diagrams, videos, and images
- When you use the ideas of other people (by paraphrasing), make sure to acknowledge the source
- Do not use the work of another from the Internet or any other source and submit it as your own
- Do not submit work that has been completed through collaboration or previously submitted for another assignment without permission from your instructor
- Do not cheat in examinations or write an exam or test for someone else
- Do not falsify data or lab results
- (These examples should be considered only as a guide and not an exhaustive list.)

What will happen if an allegation of an academic offense is made against you?

I am required to report a suspected offense. The full process is outlined in the Discipline flow chart, which can be found at https://www.dal.ca/content/dam/dalhousie/pdf/dept/university_secretariat/FDPflowchartSEpt2016.pdf and includes the following:

- Each Faculty has an Academic Integrity Officer (AIO) who receives allegations from instructors.
- The AIO decides whether to proceed with the allegation and you will be notified of the process.
- If the case proceeds, you will receive an INC (incomplete) grade until the matter is resolved.
- If you are found guilty of an academic offense, a penalty will be assigned ranging from a warning to a suspension or expulsion from the University and can include a notation on your transcript, failure of the assignment or failure of the course. All penalties are academic in nature.

Where can you turn for help?

- If you are ever unsure about ANYTHING, contact me.
- The Dalhousie Academic Integrity website has links to policies, definitions, Online tutorials, tips on citing and paraphrasing.
- The Writing Center provides assistance with proofreading, writing styles, citations.
- Dalhousie Libraries have workshops, tutorials, citation guides, Assignment Calculator, RefWorks, etc.
- The Dalhousie Student Advocacy Service assists students with academic appeals and student discipline procedures.

- The Senate Office (http://www.senate.dal.ca) provides links to a list of Academic Integrity Officers, discipline flow chart, and Senate Discipline Committee.

RESPONSIBLE COMPUTING POLICY

Usage of all computing resources in the Faculty of Computer Science must be within the Dalhousie Acceptable Use Policies (www.dal.ca/content/dam/dalhousie/pdf/dept/university_secretariat/policy-repository/AcceptableUsePolicy.pdf) and the Faculty of Computer Science Responsible Computing Policy (https://www.cs.dal.ca/downloads/fcs_policy_local.pdf).

CULTURE OF RESPECT

Every person has a right to be respected and safe. We believe inclusiveness is fundamental to education and learning. Misogyny and disrespectful behavior in our classrooms, on our campus, on social media, and in our community, is unacceptable. We stand for equality. We hold ourselves to a higher standard.

What we all need to do:

- Be ready: promise yourself to not remain silent, know that it will happen again, summon your courage whatever it takes. Practice things to say, open ended is good: "Why did you say that?" or "How did you develop that belief?"
- Identify the behavior: Use reflective listening, avoid labeling, name-calling or blame. Describe the behavior, don't label the person: "Kim, what I hear you saying is that …"
- Appeal to principles: this works well if the person is known to you like a friend, sibling, co-worker etc. "Joe, I have always thought of you as a fair-minded person, so it shocks me when I hear you say something like that."
- Set limits: you cannot control another person, but you can control what happens in your space. "Please don't tell racist jokes in my presence anymore" or "This classroom is not a place where I allow homophobia to occur" and then follow through.
- Find an ally/be an ally: seek out like-minded people for support or support others in their challenges. Lead by example and inspire others to do the same.
- Be vigilant: change happens slowly, but be prepared, and keep speaking up. Don't let yourself be silenced.

STUDENT ACCOMMODATION

Students may request accommodation as a result of barriers related to disability, religious obligation, or any characteristic under the Nova Scotia Human Rights Act. Students who require academic accommodation for either classroom participation or the writing of tests and exams should make their request to the Advising and Access Services Center (AASC) prior to or at the outset of the regular academic year. Please visit http://www.dal.ca/access for more information and to obtain the Request for Accommodation – Form A.

A note taker may be required as part of a student's accommodation. There is an honorarium of \$75/course/term (with some exceptions). If you are interested, please contact AASC at 494-2836 for more information.

Please note that your classroom may contain specialized accessible furniture and equipment. It is important that these items remain in the classroom, untouched, so that students who require their usage will be able to participate in the class.