DOUGLAS COLLEGE

COMMERCE AND BUSINESS ADMINISTRATION
COURSE INFORMATION AND SCHEDULE
CSIS 1280- MULTIMEDIA WEB DEVELOPMENT

Semester: Spring 2021	**Section: 003**
Course Time: Tuesday 3:30 pm- 6:20 pm	**Course Location: Online**
Instructor: Anupama Gupta	**Email:** guptaa10@douglascollege.ca
Office Hours (Online) : Monday 10:45 am – 11:30 am	**Tuesday 2:45 pm – 3:30 pm**
Thursday 11:45 am - 12:30 pm	**Friday 11:45 am - 12:30 pm**

COURSE MATERIALS REQUIRED

Textbooks:

Terry Felke-Morris, Harper. Web Development and Design Foundations with HTML5, 9/E

Dean, John, Web Programming: with HTML5, CSS and JavaScript, 2019.

ONLINE SPECIFIC GUIDELINES

The minimum requirements to attend Douglas College's online courses are published on the college's website.

Instructor could use any combination of the college's available services in order to deliver the course. The student is advised to make sure that all the hardware/software that he/she intends to use during the semester are following the college's published minimum requirements.

In order to maintain overall standards, unless agreed in advance by the instructor, the student may not use non approved hardware/software. Using non approved hardware/software may put the student in a difficult situation to complete the course assessments.

https://www.douglascollege.ca/student-services/essential-resources/online-learning/Online-Learning-Requirements

COURSE SPECIFIC TECHNICAL REQUIREMENTS

All components of the course (except the assignments/project which are take home) will require synchronous participation during the scheduled lecture and/or exam times.

Computer and Internet Connection: Students must have access to a reliable computer with high-speed internet access allowing the use of a conferencing system such as BB Collaborate Ultra and Zoom.

Other hardware: Good Quality Web Camera, Speaker, and Mic

Software: Text Editor - Visual Studio Code recommended (http://code.visualstudio.com),

Web Browser - Chrome or Firefox recommended

Operating System: All the software demo built for the course, the labs and the tests are designed in a **Windows-based operating system**. If you have a Mac OS machine, the instructor may not be able to provide significant guidance in setting up the environment and on how to do the labs, assignments and tests.

COURSE PREREQUISITES

Pre-Calculus 11 (C or better) or Foundations of Math 11 (C or better) or MATU 0410 (C or better) or approved substitute OR currently active in:

PDD Information and Communication Technology or

PDD Data Analytics or

PBD Computer and Information Systems

CALENDAR COURSE DESCRIPTION

This course covers the fundamentals of Web site development and design using HTML, CSS and JavaScript. Students will learn how to create structured websites using HTML, how to use the most up to date CSS styles to create responsive, visually-interesting pages and captivating graphical designs, and how to implement client-side script using basic concepts in JavaScript to access DOM elements and to validate web forms.

COURSE CONTENT

- Understanding fundamental concepts of client-server models, and role of client-side framework in design and creation of websites.
- Creating structured websites using HTML grouping, text-level elements, hyperlinked text.
- Working with tables and columns.
- Designing web forms.
- Enhancing a website with multimedia, animations and transitions.
- Website and graphic design with CSS.
- Designing page layout.
- Creating responsive websites using HTML and CSS.
- Getting Started with JavaScript.
- Exploring arrays, loops, and conditional statements.
- Working with Events.
- Implementing basic client-Side programming using JavaScript for accessing DOM elements and processing form data.

LEARNING OUTCOMES

At the end of this course, the successful student will be able to:

- Explain the concepts of multimedia design, preparation, and delivery over the World Wide Web;
- Describe and analyze multimedia elements such as images, sound, animation, graphics, music, and digital video;
- Create structured websites using sectioning, grouping, text-level elements in HTML

- Design responsive websites that can scale to mobile, tablet, and desktop devices using HTML and CSS;
- Use layouts, images, audio, video and other multimedia files, animations, transitions, and forms for websites;
- Understand and implement basic concepts in JavaScript;
- Use arrays, loops and conditional statements in JavaScript to access DOM elements and validate form data

METHODS OF INSTRUCTION

Online lecture, lab, seminar, hands-on exercises

TRANSFERABILITY

Please refer to the following links to see how this course and its credits transfer within the BC transfer system:

- See BC Transfer Guide at www.bccat.bc.ca for more details.
- https://www.douglascollege.ca/programs-courses/catalogue/courses/CSIS/CSIS1280 - Transferability tab

MEANS OF ASSESSMENT

A final course grade will be determined based on the following instruments and their corresponding weighted percentages:

Assignments/Labs - 3	12%
Project	10%
Quizzes - 2*	13%
Mid-Term Exam*	30%
Final Exam*	35%
TOTAL	**100%**

NOTE:

- ***In order to pass the course, students must, in addition to receiving an overall course grade of 50%, also achieve a grade of at least 50% on the combined weighted examination components (including quizzes, tests, and exams).**
- A student **MUST** complete **at least 70%** of all the evaluations for this course in order to obtain credits; otherwise, he/she will be assigned an **UN** as the final grade.
- **ATTENDANCE IS REQUIRED FOR THIS COURSE.** If you **miss more than 30% of** the class, **you will receive UN** for your course grade.
- **FINAL EXAM will be practical hands-on computer programming exam**
- **FINAL EXAM IS MANDATORY**. If you do not attempt final exam, you will receive UN as your final grade.
- **Some of these assessments may involve group work.**

COVID-19 SAFETY GUIDANCE

Keeping Our Campuses Healthy

This winter semester, Douglas will welcome a small number of faculty and students on our campuses for in-person instruction. Other students may also attend campus to seek advice or assistance from a number of our service areas. To help ensure the safety of our campus community, please adhere to the following guidelines.

If you come to campus:

- Complete a daily self-assessment before coming to campus: https://bc.thrive.health/
- Follow all posted signage.
- Maintain physical distance of 2m (6 feet) from others. Do not congregate in groups.
- Wear a non-medical face mask in public areas or areas where physical distancing is not possible.

DO NOT come to campus if:

- You are sick.
- You have been in contact with someone with a confirmed case of COVID-19 within the last 14 days.
- You have travelled or been in contact with someone who has travelled outside of Canada in the past 14 days.

If you are unable to attend a class due to illness, contact your instructor immediately.

Illness on campus

If you become ill while on campus, contact Campus Security immediately for first aid and to report your symptoms.

If you are concerned that you may have COVID-19, use the BC government COVID-19 self-assessment tool to help guide you on what to do. The province of BC has also set up a dedicated COVID-19 hotline at 1-888-COVID19 or text 604-630-0300. The service is available daily from 7:30 a.m. to 8 p.m. with information available in over 110 languages.

REGULATIONS FOR STUDENTS

Virtual Classroom Civility and Shared Responsibility: Even though the course is delivered online the students are expected to prepare for, attend and actively participate in all class sessions, case studies and exercises, occasional computer simulation, complete all assignments, and, to sit the required tests and examinations. However, as implied by the previous section, student participation in the class is not considered as a means of evaluation. Arriving on time is a matter of respect for the instructor and fellow students. Students are also expected to behave appropriately and pay attention to the class. While attending the class, please turn off your cell phone and avoid using any other electronic devices, which can distract you and/or others. Students who disrupt the learning environment or students who are disrespectful to the instructor and/or other students can be prohibited from attending the class. Class assignments are included for each day's class: it is your responsibility to attend and to absorb the material sufficiently well for class work. Students who miss a class are responsible for material covered in the

missed class. Office hours are intended to assist students who have attended class and who wish additional help, not for the transmission of missed class contents.

Timeliness: Students are expected to be in class at the start of class. If a student must be late, contact the instructor with an explanation prior to the late class. Any late student should join quietly so as to not interrupt the flow of class activity. After due warning, students who are repeatedly late and disruptive for class <u>may be prohibited from joining the class</u>.

In-Class and College Policies: Students are responsible for being familiar with the information contained in the Douglas College Calendar and policies and procedures relating to appeals, petitions and formal complaints, sexual and personal harassment, standards of conduct, violence, academic honesty.

College policies are available at http://www.douglascollege.ca/about-douglas/governance/policies

ACADEMIC INTEGRITY

REFERENCE: Douglas College Educational Policy Academic Integrity

Plagiarism and Cheating: The College values academic integrity**.**

> **Plagiarism** is presenting or submitting as one's own work, research, words, ideas, artistic imagery, arguments, calculations, illustrations or diagrams of another person or persons without explicit or accurate citation or credit; this includes submission of purchased material as well as material in which the student has permitted someone else (a fellow student, tutor, mentor or teaching assistant, friend, etc.) to contribute unacknowledged. Persons include past and current students. Unless explicitly awarded by the Instructor, in a written document or communication, the right to submit common/team work by two or more students, the submission/presentation is considered plagiarism.

> **Self-plagiarism** is submitting one's own work for credit in more than one course without the permission of the instructors, or re-submitting work, in whole or in part, for which credit has already been granted.

> **Cheating** is the possession or provision of unauthorized aids, assistance or materials in the preparation of assignments, during examinations or in the completion of practical work (in clinical, practicum or lab settings). See the Academic Integrity policy for other definitions of academic dishonesty. Academic dishonesty will be treated as a serious offence. Disciplinary measures can range from a zero grade on the exam or assignment in which the offence occurred to suspension or expulsion from the College.

> **The use and/or reference of any/all websites (e.g. <u>coursehero.com</u> or similar) which host copies of Douglas College course work assessments such as but not limited to quizzes, assignments, midterms, labs, exams, practical work, etc., constitutes plagiarism.**

> Douglas College condemns cheating or attempted cheating within its community. Regarding the details of the policy on Academic Dishonesty, please visit

> https://www.douglascollege.ca/sites/default/files/docs/finance-dates-and-deadlines/Academic%20Integrity%20Policy%20w%20Flowchart.pdf

Assignment/Lab Submission: Assignments **MUST** be uploaded to the course page on Blackboard and there is <u>no other acceptable way</u> to submit an assignment. Please note that <u>late assignments/labs will **not**</u>

be accepted. Exceptions may be considered in cases of extraordinary circumstances. The students **MUST** inform the instructor if they cannot submit the assignment/project/lab **PRIOR TO** the due date and time of the assignment/project/lab. Failure to do so will receive the penalty of the late submission and **Zero Mark** for that assignment.

Late assignments: Late assignments will **NOT** be graded and receive an automatic **ZERO MARK** except for extraordinary circumstances or prior arrangements with the instructor. Any submission beyond this is not graded and the student will receive **ZERO MARK** for that assignment. Submissions made after the due date with prior arrangements will be graded for **50% mark** of the assignment.

Missed Tests or Examinations: Tests and examinations will be offered only during the scheduled date and time of sitting. Exceptions may be considered in cases of extraordinary circumstances. It is the responsibility of the student to inform the College and the instructor at the earliest reasonable opportunity. Notification of a possibility of missing the test or exam must be done prior to the test or exam date/time. If a student is to miss a test due to medical issue, the student is required to provide the required proof documents. **A simple doctor's note will NOT be accepted**. If a doctor's letter is to be provided, it must be the **original copy and signed by a licensed medical doctor (not a nurse or nurse practitioner) in BC. This medical doctor must be an active member of the BC College of Physicians and Surgeons.** Otherwise, the student will receive a **ZERO** mark for any missed test(s). **Final Exam is mandatory**. Students will receive a **UN** as the final course grade for missing the final examination.

Student Conduct: Any student who displays disruptive or dangerous behavior will be asked to leave the classroom/lab by the instructor. Such behavior will be classified as misconduct. Reprimands and appeals will be exercised according to official college policy. To obtain a copy of the policy on Standards of Conduct, contact the Registrar's Office.

Electronic Communication between Instructor and Students: The main method of electronic communication between student and instructor is Blackboard and Douglas College email system. It is the students' responsibility to ensure that they have access to Blackboard and Douglas College email system, and they check regularly for any new postings or emails.

All academic related communication through emails must originate or destined from/to a valid xxxxxxx@douglascollege.ca email address. Include your Course and Section number in the Subject line of your email. Emails originated from a different email address will be disregarded as there is no method to recover complete history of communication from other email service providers.

Class Cancellation: In the event that a class is cancelled due to instructor illness or other unforeseen circumstance, a notification will be made through Blackboard and/or email to every student enrolled in the course. It is the responsibility of students to be proactive and to check announcements and/or e-mail before coming to class. Every effort will be made to ensure that the notification is made as soon as possible**.**

Preparation, Attendance and Participation: Attendance will be taken on a regular basis. The method of delivery includes online classroom discussion and lab exercises; and students need to be present both in order to participate and to learn. Your final mark depends in part on your record of attendance and your reasonable preparedness to contribute to the discussion. In the curriculum outline on the next page, reading assignments are included for each day's class: it is your responsibility to have completed the reading and to have absorbed the material sufficiently well for spontaneous discussion. Students are

expected to behave appropriately while attending Douglas College. While in class, please turn off (or leave on vibration/silent mode) your cell phone(s). Cell phones going off in the middle of class are disruptive and exhibit a lack or consideration for your fellow-students.

Student Effort: In addition to the regularly scheduled times for classes and labs, students are expected to spend at least 6 hours a week on this course. If you find yourself regularly spending time significantly in excess of this, come and discuss this as soon as possible.

IMPORTANT NOTE:
Students are responsible for all the announcements made in the classroom and lab concerning course information, schedule changes, and class cancellation, WHETHER OR NOT they are in attendance.

COURSE SCHEDULE
**Note: This course schedule is tentative and subject to change for the benefit of the student's learning experience (Consistent with college policy and with notice to students).

WEEK	DATES	TOPICS AND ACTIVITIES	ITEMS DUE
Week 01	Jan 5	Course objectives and structure Introduction to the course HTML Basics	
Week 02	Jan 12	Introduction to Cascading Style Sheets CSS Color and Text CSS Visual Elements and Graphics	
Week 03	Jan 19	Web Design Principles Page Layout	**RECEIVE ASSIGNMENT #1**
Week 04	Jan 26	More on Page layout and Mobile	**QUIZ #1 (Value 7%)**
Week 05	Feb 2	Working with Tables and Columns	**ASSIGNMENT #1 DUE (Value 4%)**
Week 06	Feb 9	Designing a Web Form	**Project Information due RECEIVE ASSIGNMENT #2**
Week 07	Feb 16	**Study break - classes cancelled**	
Week 08	Feb 23	**MID-TERM EXAMINATION (Value: 30%)**	
Week 09	Mar 2	Enhancing a Website with Multimedia	**ASSIGNMENT #2 DUE (Value 4%)**
Week 10	Mar 9	Introduction to JavaScript	
Week 11	Mar 16	Exploring Arrays, Loops and Conditional Statements	**QUIZ #2 (Value 6%) RECEIVE ASSIGNMENT #3**
Week 12	Mar 23	Working with Events and Styles	

Week 13	Mar 30	Working with Document Nodes and Style sheets	**ASSIGNMENT #3 DUE (Value 4%)**
Week 14	Apr 6	Review and Practice Exercises	**PROJECT DUE (Value 10%)**
Week 15	Apr 14 - Apr 22	**FINAL EXAMINATION PERIOD (Value: 35%)**	

The Final Examination period is Wed, Apr 14 – Thu, Apr 22. Please check the examination schedule as soon as it becomes available for potential scheduling conflicts. Do NOT make any travel arrangements during this examination period. Final Exam is mandatory.

DOUGLAS COLLEGE GRADING SYSTEM

Grade	Numerical Value	Achievement Level	Description
A+	4.33	95% and above	
A	4.00	90% to 94%	Outstanding Achievement
A-	3.67	85% to 89%	
B+	3.33	80% to 84%	
B	3.00	75% to 79%	Good Achievement
B-	2.67	70% to 74%	
C+	2.33	65% to 69%	
C	2.00	60% to 64%	Satisfactory Achievement
C-	1.67	55% to 59%	
P	1.00	50% to 54%	Marginal Achievement
F	0.00	49% and below	Unsatisfactory Achievement
FD	0.00		Failure due to academic dishonesty. This notation will remain on the student's transcript for two years following the student's graduation or last semester attended, at which time the student will become eligible to apply to have the grade converted to an "F" (Fail)
UN	0.00		Student completed less than 70% of the total evaluation of the course, or missed more than 30% of the class where the instructor's Course Outline specifies that attendance is a course requirement.
W	N/A		Does not include in GPA calculation.