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## Web Development 1

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### School -Digital & Perf Arts

<b>Course Number:</b> MMED-1056	<b>Co-Requisites:</b> N/A	<b>Pre-Requisites:</b> MMED-1052
<b>Applicable Program(s):</b> IDP3 - Interactive Media Design (IDP3-CDP-20190) VIS1 - Interactive Media Development - 3D Visualization (VIS1-CDP-20190)	<b>Core/Elective:</b> Core  Core	
<b>Prepared by:</b>	Justin Brunner, Coordinator	
<b>Approved by:</b>	Michelle Giroux, Associate Dean	
<b>Approval Date:</b>	Tuesday, January 7, 2020	
<b>Approved for Academic Year:</b>	2019-2020	
<b>Normative Hours:</b>	45.00	

### Course Description

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Extending topics introduced in the first year, students will cover the Web design/development process in greater detail. Topics covered include basic and enhanced responsive site structure, local site management, CSS design, CSS layout applications and browser compatibility issues. Some use of Javascript will also be covered.

### Course Learning Outcomes

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Upon successful completion of this course, you will be able to reliably demonstrate the following Course Learning Outcomes which will be taught and evaluated:

- 1.) Write valid, accessible and semantic markup leveraging HTML5;
- 2.) Debug and troubleshoot HTML/CSS code for Web pages;
- 3.) Develop and design responsive web pages/sites in various configurations using modern CSS layout techniques;
- 4.) Create and execute the planning of a multi-component project;
- 5.) Practice and apply techniques used to support older browsers;
- 6.) Develop HTML pages and assets for the integration of Javascript;
- 7.) Present and demonstrate products to clients;

## Essential Employability Skills

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Upon successful completion of this course, you will be able to reliably demonstrate the following Essential Employability Skills (EES):

EES 1	Communicate clearly, concisely and correctly in the written, spoken and visual form that fulfills the purpose and meets the needs of the audience.
EES 2	Respond to written, spoken or visual messages in a manner that ensures effective communication.
EES 3	Execute mathematical operations accurately.
EES 4	Apply a systematic approach to solve problems.
EES 5	Use a variety of thinking skills to anticipate and solve problems.
EES 6	Locate, select, organize and document information using appropriate technology and information systems.
EES 7	Analyze, evaluate and apply relevant information from a variety of sources.
EES 8	Show respect for diverse opinions, values, belief systems and contributions of others.
EES 9	Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals.
EES 10	Manage the use of time and other resources to complete projects.
EES 11	Take responsibility for one's own actions, decisions and consequences.

## Relationship to Vocational Learning Outcomes

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This course provides the opportunity for you to achieve the following Program Vocational Learning Outcomes (VLO) which will be taught and evaluated at an introductory (I), building (B) or culminating (C) level:

### IDP3 - Interactive Media Design (IDP3-CDP-20190)

VLO 1	Complete both individual and collaborative interactive media projects effectively. (B)
VLO 2	Use best practices and tools to design and develop dynamic, rich-media content. (B)
VLO 3	Contribute to the assessment of the requirements of an interactive media project. (B)
VLO 5	Design a media project (interface, navigation, graphics, text treatment) using current best practice design and development principles, and applying conceptual and theoretical frameworks. (B)
VLO 6	Build effective and dynamic Web sites and/or mobile applications. (I, B)
VLO 8	Apply research and conceptual skills to propose possible solutions for mobile/multimedia/Web development problems. (I, B)
VLO 9	Use creative and critical thinking techniques in the effective design, development and implementation of an interactive media project. (B)

### VIS1 - Interactive Media Development - 3D Visualization (VIS1-CDP-20190)

VLO 1	complete both individual and collaborative interactive media projects effectively. (B)
VLO 2	select and use best practices and tools to design and develop dynamic, rich-media content. (B)
VLO 3	assess the requirements of a complex interactive media project. (B)
VLO 5	design a complex media project (interface, navigation, graphics, text treatment) using best practice design and development principles, and applying conceptual and theoretical frameworks. (B)

VLO 6	build effective and dynamic complex Web sites and/or mobile applications. (I, B)
VLO 8	apply research and conceptual skills to propose optimal solutions for mobile/multimedia/Web development problems. (I, B)
VLO 9	select and use creative and critical thinking techniques in the effective design, development and implementation of a complex* interactive media project. (B)

## Evaluation

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The following list provides evidence of this course's learning achievements and the outcomes they validate:

### Assignment(s) (40%)

Validates Outcomes: CLO 1, CLO 2, CLO 3, CLO 4, CLO 5, CLO 7, EES 1, EES 2, EES 3, EES 4, EES 5, EES 6, EES 7, EES 8, EES 9, EES 10, EES 11

**IDP3** : VLO 1, VLO 2, VLO 3, VLO 5, VLO 6, VLO 8, VLO 9

**VIS1** : VLO 1, VLO 2, VLO 3, VLO 5, VLO 6, VLO 8, VLO 9

### Team Project (30%)

Validates Outcomes: CLO 1, CLO 2, CLO 3, CLO 4, CLO 5, CLO 7, EES 1, EES 2, EES 3, EES 4, EES 5, EES 6, EES 7, EES 8, EES 9, EES 10, EES 11

**IDP3** : VLO 1, VLO 2, VLO 3, VLO 5, VLO 6, VLO 8, VLO 9

**VIS1** : VLO 1, VLO 2, VLO 3, VLO 5, VLO 6, VLO 8, VLO 9

### Final Practical Assessment (30%)

Validates Outcomes: CLO 1, CLO 2, CLO 3, CLO 4, CLO 5, CLO 6, CLO 7, EES 1, EES 2, EES 3, EES 4, EES 5, EES 6, EES 7, EES 8, EES 9, EES 10, EES 11

**IDP3** : VLO 1, VLO 2, VLO 3, VLO 5, VLO 6, VLO 8, VLO 9

**VIS1** : VLO 1, VLO 2, VLO 3, VLO 5, VLO 6, VLO 8, VLO 9

**Refer to the FOL course site for** detailed description and evaluation criteria and/or rubrics that will be used to evaluate your course work. Note: Access to the course site will end at the conclusion of the course.

## Enhanced Learning Resources Module

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No Enhanced Learning Resources Module

## Learning Activities to support the intended learning

Lecture/Demonstration	40%
Supervised Workshops	20%
Independent Study/Production	30%
Resources Presentation	10%

### Prior Learning Assessment and Recognition

If you intend to apply for Prior Learning Assessment and Recognition (PLAR) to earn college credits for knowledge and skills acquired through previous life and work experience, you will need to demonstrate competency at a post-secondary level in the course learning outcomes outlined above. Academic and administrative standards for PLAR are specified in Policy A124. The type of evaluation method used will be determined by a subject matter expert to provide evidence of learning through a:

- Other: Please contact the College for more information.

### College Grading

Final Grade	Range	Grade Point	Final Grade	Range	Grade Point
A+	90% - 100%	4.2	A	80% - 89%	4.0
B+	75% - 79%	3.5	B	70% - 74%	3.0
C+	65% - 69%	2.5	C	60% - 64%	2.0
D+	55% - 59%	1.5	D	50% - 54%	1.0
F	0% - 49%	0	P	Greater than 50	n/a
I	Incomplete	n/a	N	No credit achieved	n/a
W	Withdrawn	n/a	X	Audit Only	

Graduation from approved College programs requires a student to complete the program curriculum, to meet its academic standards and to achieve a minimum cumulative GPA of 2.0 (C grade), except in Applied Degree programs, where a student must achieve a minimum average GPA of 2.5 (C+) in vocational courses and a GPA of 2.0 (C) in all other courses.

### Course Specific Information (i.e., practices and procedures)

This course is NOT upgradeable under college policy 2-C-04.

NOTE: Test and assignment due dates, etc. will be provided by the professor at the beginning of the course.

**Additional Information:**

Consult your Program Outline for information concerning the minimum passing grade needed for this course.

Missed tests/exams will not be rescheduled without some valid evidence of some important event over which the student has no control (e.g., Court appearance, death in the family). Missed tests or exams, therefore, can receive a zero. The students are advised to notify the professor prior to missing the test by leaving a message at 452-4115.

Students are expected to hand in all assignments to the course instructor on the due date, and all assignments must be submitted in the format specified by the instructor (e.g., on CDR, in printed form, on a specific lab computer, etc.); assignments will not be accepted in any format other than that specified.

Late assignments will not be accepted, nor will make up test or assignments be permitted, without some valid evidence of some important event over which the student has no control (e.g., documented illness, death in the family). Missed tests or assignments, therefore, will receive a mark of zero. Late assignments and make-up tests will only be permitted following the submission of adequate documentation acceptable to the instructor (e.g., a doctor's note). Students are advised to notify the instructor prior to missing an assignment due date or a scheduled test, by leaving a message at 452-4115.

Immediately upon return from an illness/absence in which a test or assignment has been missed, the student is responsible for contacting the course instructor to discuss the problem. The instructor will make arrangements for any student deemed eligible. The alternative test/assignment will be of equal value to the one missed with no grade penalty. The timeline and due dates will be determined by the course instructor.

At mid-term, any unsatisfactory results will be reported to the student.

This course may be revised by the professor with suitable notification to the students. Students are responsible for making arrangements to pick up missed handouts, assignments and course announcements from classmates.

**ATTENDANCE:** This course relies on group participation; therefore it is essential that all students attend regularly and participate in group productions/projects. Failure to attend 80% of scheduled classes will lead to the automatic loss of credit regardless of academic achievement, except under extremely unusual circumstances, based on the professor's discretion and the student's ability to compensate.

**CODE OF CONDUCT** - The College has a policy on student conduct. Please refer to Policy 2 - G - 01 on Fanshawe Online or in the Student Handbook.

**GRADE RECORDS** - Students are responsible to keep track of their own grade records, pre-requisites and that all criteria are met for graduation.

Due to time and prevailing conditions course topics may be altered/changed at the instructor's discretion but students will be notified beforehand.

## **School Related Information (i.e., practices and procedures)**

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Please note: Order of topics and style of delivery will vary depending on professor and section. Individual professors may also wish to supplement the mandatory material with additional choices for study to complement weekly content. Textbook use occurs as designated in course outline, specific readings/sections will be specified by the professor. You must consult your supplementary course outline for exact information about evaluation dates, assignment instructions and supplementary/alternate material. You are responsible for keeping track of this information.

### **Mode of Delivery Definitions**

**Web-facilitated (Face-to-face):** Course work is completed during normal class hours in a face-to-face format and the Online component is used to supplement face-to-face time. FanshaweOnline is utilized to give professors access to services such as quizzing, gradebooks, drop boxes, and communication tools to complement the students' classroom learning experience.

**Blended:** A term often used interchangeably with "hybrid learning." Blended is a model of course design that combines traditional, face-to-face class time with Online and out-of-class course work. Blended courses typically deliver some content online and may provide opportunities for online discussions, team projects, and activities. Lecture capture, video, and other forms of rich media as well as computer-mediated communications like threaded discussion forums, synchronous chats, web conferencing and distance lecturers may be employed in place of classroom hours.

**Online:** Is a course where all or almost all of the content is web-based with no or a very small number of face-to-face meetings. Course content delivery is dependent on the same computer and network based technologies used in Web-facilitated and Blended courses, but here they become the principal method of student engagement and learning. Please refer to Fanshawe's eLearning policy (2-B-24) for additional detail.

### **Test and Exam Proctoring for Online Courses**

Tests and exams for the online offering of this course may require proctored invigilation to ensure academic integrity as per college policy. A student who cannot appear on campus for a scheduled test or exam may request the use one of the following off-campus options for a fee:

Write a test/exam online with a live proctoring agent (provided by B-Virtual\*).

Write at an authorized testing center.

Please note: any test or exam that is not proctored at a Fanshawe campus may require a service fee that must be paid for by the student. The service fee will vary depending on the option chosen by the student. In addition, it is the sole responsibility of the student to notify the professor in advance of the scheduled test/exam date if there is an

intention to use an alternative proctoring option. The student is also responsible for locating and/or registering for an off-campus or virtual live proctor and to provide the details to the professor in advance.

\*If the live proctoring agent option is available for this course, instructions will be provided by the professor.

If you have questions please contact 519-452-4430 ext. 6403.

## College Related Information

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### Fanshawe College and the Fanshawe Student Union (FSU)

The College and FSU are committed to offer the highest quality education, learning experience and student life to all who attend Fanshawe College. The principles set forth within the *Statement of Rights and Responsibilities* guide that commitment. For more information on the College and FSU responsibilities or Student rights and responsibilities visit: <http://www.fsu.ca/rights-responsibilities.php>

### Policies

Fanshawe College has a number of academic and administrative policies that

- define procedures to resolve complaints, launch academic appeals, and protect human rights;
- define the expectations the College has about student behavior and responsibilities, including sanctions which may be applied when offences occur and;
- provide information which can impact the college experience, including refund and withdrawal dates, or rules for academic progression.

It is important you are aware of the policies which apply to you, what they are about, and how to get to them. College policies are available on the Fanshawe College web site at [www.fanshawec.ca/policies](http://www.fanshawec.ca/policies) and myFanshawe.

### Academic Integrity

Academic Integrity means holding yourself and others accountable for consistently performing all academic work with honesty and integrity and is integral to the academic mission at Fanshawe College.

### The Following are Examples of an Academic Offence (see Policy A136 for a complete list)

- Copying and/or submitting another person's academic work as your own (Plagiarism)
- Submitting the same assignment, essay, project, etc. multiple times for evaluation/markings
- Using unauthorized materials/aids on coursework or assessments
- Allowing another person to take a test in your place
- Including a quotation taken from a website or from a text book etc. without citing the source

### Penalties for an Academic Offence

Faculty and students have the responsibility to uphold academic integrity. Academic offences are not taken lightly and can lead to failure of assignments and classes as well as expulsion. Please take precautionary measures in your coursework to ensure academic integrity is being upheld. You have the right to appeal decisions related to Academic Offences and associated penalties if you believe you have been treated unfairly.

To learn more about Academic Integrity and Academic Offences, the Appeals Process and Resources on how to be successful in your coursework, please see [www.fsu.ca/donutcheat](http://www.fsu.ca/donutcheat).

*If you need assistance with policy information or academic integrity, contact Counselling and Accessibility Services, Fanshawe Student Union, School or Campus Office, or the Ombuds Office.*

### **Student Services**

Whether you're a new student looking for a peer-tutor to help you get a handle on a tough class or an experienced student looking for career counselling, take advantage of the many services available to you as a Fanshawe student at: <https://www.fanshawec.ca/student-life/student-services>

### **Office of the Registrar**

For all admissions and registration related information, visit: <https://www.fanshawec.ca/admissions/registrar-office>

## **Legend**

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### **Terms**

- ALO: Aboriginal Learning Outcome
- Apprenticeship LO: Apprenticeship Learning Outcome
- CLO: Course Learning Outcome
- DPLO: Degree Program Learning Outcome
- EES: Essential Employability Skill
- EOP: Element of Performance
- GELO: General Education Learning Outcome
- LO: Learning Outcome
- PC: Program Competency
- PLA: Prior Learning Assessment
- PLAR: Prior Learning Assessment and Recognition
- VLO: Vocational Learning Outcome

### **Assessment Levels**

- I: Introductory
- B: Building
- C: Culminating