Course Outline

School:	Eng. Tech. & Applied Science
Department:	Information and Communication Engineering Technology (ICET)
Course Title:	Web Interface Design
Course Code:	COMP 213
Course Hours/Credits:	56
Prerequisites:	N/A
Co-requisites:	N/A
Eligible for Prior Learning, Assessment and Recognition:	Yes
Originated by:	Joanne Filotti
Creation Date:	Fall 2005
Revised by:	Joanne Filotti
Revision Date:	Summer 2019
Current Semester:	Winter 2020
Approved by:	*ppesikan c/o*
	_____
	Chairperson/Dean

THIS COURSE OUTLINE FOR WINTER 2020 HAS BEEN REVISED AND REPLACES THE PREVIOUSLY ISSUED COURSE OUTLINE FOR THIS SEMESTER, EFFECTIVE MARCH 23, 2020.

Students are expected to review and understand all areas of the course outline.

Retain this course outline for future transfer credit applications. A fee may be charged for additional copies.

This course outline is available in alternative formats upon request.

Acknowledgement of Traditional Lands

Centennial is proud to be a part of a rich history of education in this province and in this city. We acknowledge that we are on the treaty lands and territory of the Mississaugas of the Credit First Nation and pay tribute to their legacy and the legacy of all First Peoples of Canada, as we strengthen ties with the communities we serve and build the future through learning and through our graduates. Today the traditional meeting place of Toronto is still home to many Indigenous People from across Turtle Island and we are grateful to have the opportunity to work in the communities that have grown in the treaty lands of the Mississaugas. We acknowledge that we are all treaty people and accept our responsibility to honor all our relations.

Course Description

Web Interface Design is the first course in a sequence of courses (COMP213, COMP125, COMP229, and a range of elective advanced web courses) designed to teach students all the important current concepts and technologies related to developing powerful Internet applications.

In this first level web course the student will learn how to access the resources of the Internet, use HTML and CSS to publish high-quality Web documents that observe widely accepted design guidelines, and enable web documents to share business data using XML.

Program Outcomes

Successful completion of this and other courses in the program culminates in the achievement of the Vocational Learning Outcomes (program outcomes) set by the Ministry of Colleges and Universities in the Program Standard. The VLOs express the learning a student must reliably demonstrate before graduation. To ensure a meaningful learning experience and to better understand how this course and program prepare graduates for success, students are encouraged to review the Program Standard by visiting http://www.tcu.gov.on.ca/pepg/audiences/colleges/progstan/. For apprenticeship-based programs, visit http://www.collegeoftrades.ca/training-standards.

Course Learning Outcomes

The student will reliably demonstrate the ability to:

1. Use various software applications to browse the Internet, transfer files, and send email
2. Create HTML documents for the World Wide Web
3. Demonstrate knowledge of current design concepts for the Internet documents
4. Use CSS to implement the design of a multi-page website
5. Publish and maintain a website
6. Use XML to create documents that transfer business information over the Internet

Essential Employability Skills (EES)

The student will reliably demonstrate the ability to*:

1. Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.
2. Respond to written, spoken, or visual messages in a manner that ensures effective communication.
5. Use a variety of thinking skills to anticipate and solve problems.

6. Locate, select, organize, and document information using appropriate technology and information systems.
7. Analyze, evaluate, and apply relevant information from a variety of sources.
10. Manage the use of time and other resources to complete projects.

There are 11 Essential Employability Skills outcomes as per the Ministry Program Standard. Of these 11 outcomes, the following will be assessed in this course.

Global Citizenship and Equity (GC&E) Outcomes

The student will reliably demonstrate the ability to*:

2. Identify beliefs, values and behaviours that form individual and community identities and the basis for respectful relationships.

There are 6 institutional Global Citizenship & Equity outcomes. Of these 6 outcomes, the following will be assessed in this course.

Methods of Instruction

Lecture,

demonstrations and

hands-on exercises,

class discussions

Text and other Instructional/Learning Materials

Text Book(s):

Felke-Morris, T. 2015. Basics of Web Design HTML5 & CSS3, Fifth Edition.

Pearson Education.

ISBN 10: 0135225485

ISBN 13: 978 0135225486

Online Resource(s):

Textbook website: http://webdevbasics.net/5e/index.html

Course website

Classroom and Equipment Requirements

Major Browsers (current version)

Visual Studio (current version)

TextPad (current version)

Evaluation Scheme

⇨ Assignment 1: Creating a home page on the college web server
⇨ Assignment 2: Creating a page with hyperlinks and basic CSS styling
⇨ Assignment 3: Creating a page with HTML tables
⇨ Written Test 1: multiple choice, short answer, fill-in-the-blank, t/f questions
⇨ Assignment 4: Creating and styling an online form
⇨ Project: Create a website for a small business
⇨ Written Test 2: multiple choice, short answer, fill-in-the-blank, t/f questions

Evaluation Name	CLO(s)	EES Outcome(s)	GCE Outcome(s)	Weight/100
Assignment 1	1, 2, 5	1	2	10
Assignment 2	1, 2, 3	1, 5, 6, 7		10
Assignment 3	1, 2, 3, 4	1, 5, 6, 7		10
Written Test 1	2, 3, 4	1, 2, 5		20
Assignment 4	1, 2, 3	1, 2, 5	2	10
Project	1, 2, 3, 4, 5, 6	1, 2, 5, 6, 7, 10	2	20
Written Test 2	2, 3, 6	1, 2, 5		20
Total				100%

THIS EVALUATION SCHEME FOR WINTER 2020 SEMESTER MAY BE REVISED. ANY REVISIONS WILL BE PROVIDED DIRECTLY TO STUDENTS BY THE PROFESSOR AND REPLACES THIS VERSION EFFECTIVE MARCH 23, 2020.

If students are unable to write a test they should immediately contact their professor or program Chair for advice. In exceptional and well documented circumstances (e.g. unforeseen family problems, serious illness, or death of a close family member), students may be able to write a make-up test.

All submitted work may be reviewed for authenticity and originality utilizing Turnitin®. Students who do not wish to have their work submitted to Turnitin® must, by the end of the second week of class, communicate this in writing to the instructor and make mutually agreeable alternate arrangements.

When writing tests, students must be able to produce official College photo identification or they may be refused the right to take the test or test results will be void.

Student Accommodation

The Centre for Accessible Learning and Counselling Services (CALCS) (http://centennialcollege.ca/calcs) provides programs and services which empower students in meeting their wellness goals, accommodation and disability-related needs. Our team of professional psychotherapists, social workers, educators, and staff offer brief, solution-focused psychotherapy, accommodation planning, health and wellness education, group counselling, pscyho-educational workshops, adaptive technology, and peer support. Walk in for your first intake session at one of our service locations (Ashtonbee Room L1-04, Morningside Room 190, Progress Room C1-03, The Story Arts Centre Room 285, Downsview Room 105) or contact us at calcs@centennialcollege.ca, 416-289-5000 ext. 3850 to learn more about accessing CALCS services.

Use of Dictionaries

- Any dictionary (hard copy or electronic) may be used in regular class work.
- Dictionaries may be used in tests and examinations, or in portions of tests and examinations, as long as they are non-electronic (not capable of storing information) and hard copy (reviewed by the invigilator to ensure notes are not incorporated that would affect test or examination integrity).

Program or School Policies

N/A

Course Policies
N/A

College Policies
Students should familiarize themselves with all College Policies that cover academic matters and student conduct.

All students and employees have the right to study and work in an environment that is free from discrimination and harassment and promotes respect and equity. Centennial policies ensure all incidents of harassment, discrimination, bullying and violence will be addressed and responded to accordingly.

Academic honesty is integral to the learning process and a necessary ingredient of academic integrity. Academic dishonesty includes cheating, plagiarism, and impersonation. All of these occur when the work of others is presented by a student as their own and/or without citing sources of information. Breaches of academic honesty may result in a failing grade on the assignment/course, suspension or expulsion from the college.

For more information on these and other policies, please visit www.centennialcollege.ca/about-centennial/college-overview/college-policies.

Students enrolled in a joint or collaborative program are subject to the partner institution's academic policies.

PLAR Process
This course is eligible for Prior Learning Assessment and Recognition (PLAR). PLAR is a process by which course credit may be granted for past learning acquired through work or other life experiences. The PLAR process involves completing an assessment (portfolio, test, assignment, etc.) that reliably demonstrates achievement of the course learning outcomes. Contact the academic school to obtain information on the PLAR process and the required assessment.

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Semester:	Winter 2020	Professor Name:	Joanne Filotti
Section Code:	001-005	Contact Information:	jfilotti@centennialcollege.ca
Meeting Time & Location:	as per student timetable	Last Date to Drop Course:	n/a
Delivery Method:	online		

Revised Evaluation Scheme and/or Topical Outline

Please note that due to the suspension of classes, this revised topical outline and/or evaluation scheme replaces that previously issued for the Winter 2020 semester.

Topical Outline (subject to change):

Week	Topics	Readings/Materials	Weekly Learning Outcome(s)	Instructional Strategies	Evaluation Name and Weight	Evaluation Date
1	Internet and Web Basics: oThe Internet and the Web oWeb Standards and Accessibility oWeb Browsers and Web Servers oInternet Protocols oURIs and Domain Names o Information on the Web oHTML Overview o Under the Hood of a Web Page	Chapter 1 •Supplemental online material •Lecture slides Course website resources	1.Use various software applications to browse the Internet, transfer files, and send email. 2.Create HTML documents for the World Wide Web.	Lecture, demonstrations and hands-on exercises, class discussions		
2	HTML Basics: oHeading Element oParagraph Element oLine Break and Horizontal Rule oBlockquote Element	Chapters 2, (4, 5) •Supplemental online material •Lecture slides Course website resources	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents.	Lecture, demonstrations and hands-on exercises, class discussions	Assignment 1	

Week	Topics	Readings/Materials	Weekly Learning Outcome(s)	Instructional Strategies	Evaluation Name and Weight	Evaluation Date
	o Phrase Element oUnordered List oOrdered List oDescription List oSpecial Entity Characters oHTML Syntax Validation o Structural Elements					
3	Hyperlinks oAnchor Element oAbsolute and Relative Hyperlinks oPractice with Hyperlinks oE-mail Hyperlinks oFragment Identifiers oHover Effects with CSS oImage Hyperlinks	Chapters 2, (4,5) •Supplemental online material •Lecture slides Course website resources	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents. 4.Use CSS to implement the design of a multi-page website.	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents. 4.Use CSS to implement the design of a multi-page website.	Assignment 2	
4	Web Design Basics: oDesign for Your Target Audience oWebsite Organization oPrinciples of Visual Design oDesign to Provide for Accessibility oUse of Text, Color oWeb Color Palette oUse of Graphics and Multimedia oNavigation Design oPage Layout Design oWeb Design Best Practices	Chapter 3 •Supplemental online material •Lecture slides Course website resources	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents. 4.Use CSS to implement the design of a multi-page website.	Lecture, demonstrations and hands-on exercises, class discussions		

Week	Topics	Readings/Materials	Weekly Learning Outcome(s)	Instructional Strategies	Evaluation Name and Weight	Evaluation Date
5	HTML Tables oTable Overview oTable Rows, Cells, and Headers oSpan Rows and Columns oConfigure an Accessible Table oStyle a Table with CSS	Chapter 9 •Supplemental online material •Lecture slides Course website resources	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents. 4.Use CSS to implement the design of a multi-page website.	Lecture, demonstrations and hands-on exercises, class discussions	Assignment 3	
6	Graphics and Text Styling Basics: oWeb Graphics oImage Element oOptimize a Photo for the Web oConfigure Background Images oCSS3 Background Image Properties oCSS3 Opacity and Gradients oThe Favorites Icon oConfigure List Markers with CSS o CSS Text Properties	Chapter 5 •Supplemental online material •Lecture slides Course website resources	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents. 4.Use CSS to implement the design of a multi-page website.	Lecture, demonstrations and hands-on exercises, class discussions		
7	Review	N/A	N/A	Class discussions	Written Test 1	
8	More CSS and Page Layout Basics: oThe Box Model oMargin and Padding with CSS oBorders with CSS oCSS Rounded Corners oCenter Page Content with CSS oCSS Box Shadow and Text Shadow o Background	Chapters 6 •Supplemental online material •Lecture slides Course website resources	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents. 4.Use CSS to implement the design of a multi-page website.	Lecture, demonstrations and hands-on exercises, class discussions		

Week	Topics	Readings/Materials	Weekly Learning Outcome(s)	Instructional Strategies	Evaluation Name and Weight	Evaluation Date
	Clip, Resize and Scale o CSS Opacity o CSS Gradients					
9 & 11	HTML Forms oForm Overview oForm Fields oStyle a Form with CSS oHTML5 Form fields	Chapter 10 •Supplemental online material •Lecture slides Course website resources	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents.	Lecture, demonstrations and hands-on exercises, class discussions	Assignment 4	
10	Course delivery suspended	Preparation for online delivery		Preparation for online delivery		
12	Page Responsive Layout Basics: oNormal Flow oPositioning with CSS oFloat oCSS Two-Column Page Layout oCSS for Print oCSS for the Mobile Web oCSS Flexible Box Layout o Practice with Flexbox o CSS Grid Layout o Media Queries	Chapter 7, 8 •Supplemental online material Course website resources	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents. 4.Use CSS to implement the design of a multi-page website.	Lecture, demonstrations and hands-on exercises, class discussions	Project	
13	Media and Interactivity Basics: oWeb Multimedia oConfigure Audio and Video Element oIframe Element oCSS Transform and Transition Properties	Chapter 11 •Supplemental online material •Lecture Course website resources slides Chapter 12 • Supplemental online material	2.Create HTML documents for the World Wide Web. 3.Demonstrate knowledge of current design concepts for the Internet documents. 4.Use CSS to implement the design of a multi-page website. 5.Publish and maintain a website	Lecture, demonstrations and hands-on exercises, class discussions		

Week	Topics	Readings/Materials	Weekly Learning Outcome(s)	Instructional Strategies	Evaluation Name and Weight	Evaluation Date
	Web Publishing and Maintenance: o Register a Domain Name o Choose a Web Host o Publish with File Transfer Protocol o Search Engine Submission o Search Engine Optimization o Accessibility Testing o Usability Testing Web Publishing and Maintenance: o Register a Domain Name o Choose a Web Host o Publish with File Transfer Protocol o Search Engine Submission o Search Engine Optimization o Accessibility Testing o Usability Testing Web Publishing and Maintenance: o Register a Domain Name o Choose a Web Host o Publish with File Transfer Protocol o Search Engine Submission o Search Engine	• Lecture slides Course website resources				

Week	Topics	Readings/Materials	Weekly Learning Outcome(s)	Instructional Strategies	Evaluation Name and Weight	Evaluation Date
	Optimization o Accessibility Testing o Usability Testing					
14	Introduction to XML: oCompare HTML and XML oDescribe the structure of an XML document oCreate custom elements and attributes oLink an XML documents to a style sheet oDisplay an XML document in the browser Review	•Supplemental online material •Lecture slides Course website resources	6.Use XML to create documents that transfer business information over the Internet.	Lecture, demonstrations and hands-on exercises, class discussions	Written Test 2	