

Course Outline

School:	School of Engineering Technology and Applied Science
Department:	Information and Communication Engineering Technology
Program:	Computer Repair and Maintenance Computer Systems Technician – Networking Computer Systems Technology - Networking
Course Title:	Introduction to Web Design
Course Code:	CNET204
Total Course Hours:	30
Prerequisites/Co-requisites:	N/A
Eligible for Prior Learning Assessment and Recognition:	Yes
Originated by:	William R. Warne (2006)
Revised by:	William R. Warne
Date:	September 2011
Effective Semester:	Fall 2011

Approved by:



Chairperson/Dean

Students are expected to review the course outline and to discuss with the professor any areas where clarification is required.

Students should keep all course outlines for each course taken at Centennial College. These may be used to apply for transfer of credit to other educational institutions. A fee may be charged for additional or replacement copies.

Course Description

In Introduction to Web Design, students will learn the basics of how to design websites with a professional appearance. Students will also learn how to keep them current with effective content management techniques. Some of the topics covered in CNET204 will include: web access and browsing, as well as web page development in Hyper Text Markup Language (HTML) and Adobe Creative Suite 3 Web Premium Edition. In CNET204 students will also learn the essentials of styling with Cascading Style Sheets (CSS), as well as web site deployment and maintenance. Students will integrate all of the above skills by completing a web development project.

Course Learning Outcomes

Upon successful completion of this course, the student will have reliably demonstrated the ability to:

1. Compare web access services.
2. Use web search engines efficiently.
3. Design and develop a website according to set criteria using HTML, Flash, PhotoShop, and CSS.
4. Test and maintain websites.
5. Explore College and Internet facilities and resources for website publishing.

Essential Employability Skills (EES)

This course supports the students' 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.
3. Apply a systematic approach to solve problems.
4. Use a variety of thinking skills to anticipate and solve problems.
5. Locate, select, organize, and document information using appropriate technology and information systems.
6. Take responsibility for one's own actions, decisions, and consequences.

Global Citizenship and Equity (GC&E) Outcomes

The student will reliably demonstrate the ability to:

1. Show respect for the diverse opinions, values, belief systems, and contributions of others.
2. Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals.

Prior Learning Assessment & Recognition (PLAR) Process (es)

This course is eligible for PLAR through the Registrar and SETAS offices. Assessment of portfolio and/or testing may be discussed with faculty.

Portfolio assessment will be on an individual basis. Portfolios must include both theory and practical/experience components and any formative evaluation from similar course material.

Text and Other Instructional/Learning Materials

Bishop, S., Eisner, E., & Shuman, J. (2010). *The Web Collection Revealed Premium Edition: Adobe Dreamweaver CS5, Flash CS5 and Photoshop CS5 (1st ed.)*. Clifton Park, NY: Delmar.
 ISBN-10: 1111130736
 ISBN-13: 9781111130732



Supplementary References (Software):

Adobe Creative Suite 4 Web Premium Edition Software.

Evaluation and Grading System

Evaluation Description	Weight /100
Web Page Design and Creation	40
Midterm Test	30
Final Term Project	30

*Class attendance is essential for student learning in this hands-on lab course. Students will be practicing a variety of new skills in class and will be completing in-class assignments.

In consultation with the Chair or Dean, a faculty member or instructor may administer additional or alternative evaluations to fully assess the capability of a student.

When writing a test or examination, students must put their official College photo-ID cards in full view for review by the invigilator. Students who do not have official photo-ID will be permitted to write the examination with a substitute photo-ID, but they will be required to produce photo-ID at the program or department office within 24 hours or the next business day following the examination, or else the examination results will be void.

Student Accommodation

All students have the right to study in an environment that is free from discrimination and/or harassment. It is College Policy to provide accommodation based on grounds defined in the *Ontario Human Rights Code*. Accommodation may include changes or modifications to standard practices.

This document is available in alternative formats upon request. Please contact the originating department or school of study.

Students with disabilities who require academic accommodations must register with the Centre for Student with Disabilities. Please see the Centre for Students with Disabilities for details.

Students requiring accommodation based on human rights grounds should talk with their professors as early as possible. Details are available on the Centennial College website (www.centennialcollege.ca).

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

Use of Dictionaries

- Any dictionary (hard copy or electronic) may be used in regular class work;
- Dictionary use is not permitted in test or examination settings.

Course, Program or School Policies

Class attendance is essential for student learning in this hands-on lab course. Students will be practicing a variety of new skills in class and will be completing in-class assignments.

Student Rights and Responsibilities

Students should familiarize themselves with all College Policies that cover students' rights and responsibilities. For more information on the following and other policies, please visit www.centennialcollege.ca/aboutus/respect or consult the Academic Matters Section in the full-time and Continuing Education catalogues.

Respect at Centennial

At Centennial College, we are committed to providing a safe and respectful learning, teaching and working environment for all students, faculty, and staff that promotes equity. Policies have been put in place to ensure that Centennial is a place that demonstrates respect and consistency with the Ontario Human Rights Code. All incidents of **harassment, discrimination, bullying, and violence** will be addressed and responded to. As a college, we take the position that all forms of harassment, including personal harassment and bullying, must be stopped. Please refer to www.centennialcollege.ca/aboutus/respect and www.stopbullyingnow.ca.

Academic Honesty

Academic honesty is integral to the learning process and a necessary ingredient of academic integrity. Students have a responsibility to be aware of and comply with College standards of academic conduct. 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 will be investigated and if warranted, appropriate remedies and penalties will be applied, which may include a failing grade on the assignment/course, suspension, or expulsion from the college.

Grades Appeal

Students and faculty have rights and responsibilities in the Grades Appeal process. Students who need to appeal a grade should consult the Grades Appeal policy and procedures.

Progression and Academic Standing

Students are expected to meet the academic standards of their School or program. The academic standing of each Centennial student is monitored during, as well as at the end of, each semester. Any student not demonstrating satisfactory progress will be informed of his/her standing in the College and will receive academic advising within their School. Unsatisfactory academic performance may result in conditional academic standing, probation, or suspension.

Faculty Support

Professors are available to see students outside of class time. Students can contact professors via voice mail, email, or through their program or department office. Information regarding how to contact teachers will be provided at the beginning of the course and is also available in the program or department office.

Campus Safety

As part of our efforts to maintain a safe and secure teaching, learning and working environment, professors, and instructors will review emergency procedures for fire, evacuations, emergency lock-downs, and safe exit for those with disabilities at the beginning of each course.

Students must produce official photo identification when requested to do so by any college staff at any time during the semester.

Topical Outline

WEEK	TOPICS	READINGS/ MATERIALS	WEEKLY LEARNING OUTCOMES	INSTRUCTIONAL STRATEGIES	COURSE EVALUATIONS
1	Web Access and Browsing	Course Outline Websites	<p>Define the Internet and the World Wide Web.</p> <p>Describe Web site, Web page, home page.</p> <p>Discuss different Web connection methods and the role of Internet Service Providers.</p> <p>Search, locate and access information on the Web.</p> <p>Describe the various tools for creating Web pages.</p>	Hands-on Instructor led Web Access and Browsing	
2	Developing a Simple Web Page	Text Pgs. 1-4 to 1 – 41 Text Pgs. 2-1 to 2 - 41	<p>Configuring Page Properties.</p> <p>Entering and Formatting Text.</p> <p>Numbered and Bulleted Lists.</p> <p>Previewing Site Content in a Browser.</p> <p>Posting a Home page to the college web server.</p>	Hands-on Instructor led Developing a Simple Web Page	
3	Enhancing Web Pages	Text Pgs. 3-1 to 3 – 47 Text Pgs. 4-1 to 4 - 41	<p>Inserting and Formatting Hyperlinks.</p> <p>Adding Graphic and Multimedia Elements.</p> <p>Creating Image Maps.</p> <p>Elements of Good Page Design.</p>	Hands-on Instructor led Enhancing Web Pages	
4 - 5	Using Tables	Text Pgs. 5-1 to 5 - 45	<p>Building Tables to Display Information.</p> <p>Using images within cells and sizing</p>	Hands-on Instructor led Using Tables	

WEEK	TOPICS	READINGS/ MATERIALS	WEEKLY LEARNING OUTCOMES	INSTRUCTIONAL STRATEGIES	COURSE EVALUATIONS
			considerations. PhotoShop image formatting.		
6	Web Design Concepts	Text Pgs. 6-1 to 6 - 43	Understand how to use major web site design principles such as balance, proximity, contrast, focus, and unity to create successful Web pages and sites. Develop a multi-step design plan for a Web site which would include the appropriate use of multimedia and interactivity. Create a Web site following the developed plan.	Hands-on Instructor led Web Design Concepts	
7	MIDTERM				MIDTERM
8	Creating Online Forms	Selected websites	Building forms to collect user information. Use different types of input fields. Submitting user information to the server. Using tables for online forms layout.	Hands-on Instructor led Creating Online Forms	
9 - 10	Styling with CSS	http://www.w3schools.com/css/css_syntax.asp	Understanding Cascading Style Sheets. Working with External Style Sheets. Using Embedded Style Sheets. Using Inline Styles. Creating and Using CSS Classes. Special effects Styling for the printer	Hands-on Instructor led Styling with CSS	

WEEK	TOPICS	READINGS/ MATERIALS	WEEKLY LEARNING OUTCOMES	INSTRUCTIONAL STRATEGIES	COURSE EVALUATIONS
11	Web Site Publishing and Maintenance	Text Pgs. 6-1 to 6 - 43	<p>Test the created Web site following the necessary steps.</p> <p>Understand and apply the process of acquiring server space and obtaining a domain name.</p> <p>Utilize several different methods of uploading a Web site.</p> <p>Explain the steps necessary to test, update, backup and maintain a Web site after publishing.</p> <p>Describe and apply Web-based marketing methods such as search engines and submission services.</p>	Hands-on Instructor led Web Site Publishing and Maintenance	
12	Flash Animation	Text Pgs. Flash 1 – 1 to 5 – 45	<p>Stage, Workspace and Timeline fundamentals.</p> <p>Layers, Frames, Keyframes, Frame-by-frame animation.</p> <p>Motion Tween Animation.</p>	Hands-on Instructor led Flash Animation	
13	PhotoShop tips	Text Pgs. Photoshop 1 – 1 to 5 - 35	<p>Cameras, Resolutions, Importing, saving and organizing.</p> <p>Required web adjustments.</p> <p>Layers and composition.</p>	Hands-on Instructor led PhotoShop tips	
14 - 15	Web Site Development Term Project	Text Pgs. Integrating 1 – 1 to 1 – 31	<p>Plan, design and develop a Web site, utilizing typical Web development roles such as Writer/Editor, Multimedia Developer, Artist/Graphic Designer, Web Page Designer, Web Programmer and Webmaster.</p> <p>Test and publish the website.</p>	Hands-on Instructor led Web Site Development Final Term Project	FINAL TERM PROJECT