

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



COURSE OUTLINE

COURSE TITLE: Introduction to Web Development

CODE NO. : **CSD120** **SEMESTER:** **1**

PROGRAM: IT Studies

AUTHOR: Dennis Ochoski

DATE: Sept 2011 **PREVIOUS OUTLINE DATED:** Sept 2010

APPROVED: "Penny Perrier" June/11

	CHAIR	DATE
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TOTAL CREDITS: 5

PREREQUISITE(S): N/A

HOURS/WEEK: 4

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I. COURSE DESCRIPTION:

A student in this course will learn the basics of the World Wide Web and creating Web Pages. The fundamentals of Web Page creation will be covered including how to: create anchors, attach relative and absolute hyperlinks, linking to other types of documents (such as Word, Excel, Powerpoint, PDF), work with fonts, colours, and graphics as well as a variety of tools to enhance web pages. The web development will be enhanced by the use of: tables, newspaper style layouts, Cascading Style Sheets, dynamic HTML, and forms. If time permits, we will explore JavaScripting and using other enhancing features such as sound, video, Java Applets, and animated features.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will demonstrate the ability to:

1. Basics of the World Wide Web and HTML (Tutorial 1)

Potential Elements of the Performance:

- Introducing the World Wide Web
- History of the World Wide Web and HTML
- HTML: the language of the Web
- The structure of an HTML Document
- Creating an HTML Document
- Creating headings, paragraphs, and lists, elements
- Creating character tags
- Inserting graphics, using div and span
- Using special characters and element attributes
- Inserting horizontal lines

2. Developing a Website (Tutorial 2)

Potential Elements of the Performance:

- Creating hypertext documents
- Web page structures
- Creating links among documents
- Linking to documents in other folders
- Linking to documents on the Internet
- Linking to other Internet objects
- Working with Linked Images and Image Maps
- Working with Metadata

3. Working with Cascading Style Sheets (CSS) (Tutorial 3)

Potential Elements of the Performance:

- The history of CSS
- Applying a style sheet
- Using Inline style, Embedded Style, External Style
- Understanding Cascading Order
- Working with Colour in HTML and CSS
- Working with Fonts and Text Styles
- Working with Images
- Formatting Background and Image options
- Floating an Element and Working with the Box Model
- Controlling Page Layout with div Containers
- Setting the Display style

4. Creating Special Effects with CSS (Tutorial 4)

Potential Elements of the Performance:

- Working with Selector Patterns
- Applying Styles to Lists
- Working with Classes
- Using Pseudo Classes and Pseudo Elements
- Positioning Objects with CSS
- Working with Overflow and Clipping
- Stacking Elements

5. Working with Tables and Web Forms (Tutorials 5 and 6)

Potential Elements of the Performance:

- Introducing Web Forms
- Creating a Web Form
- Creating and adding a field set, input boxes and field labels
- Working with Form Styles and Html Attributes
- Creating Option Buttons, a Selection List and working with Check Boxes and Text Area Controls
- Creating a selection list
- Working with radio buttons
- Creating form buttons
- Working with hidden fields
- Working with form attributes
- Using the "mailto" action

6. Working with Multimedia (Tutorial 7)

Potential Elements of the Performance:

- Introducing Multimedia and exploring Digital Audio
- Working with Embedded Objects and Active X Components
- Exploring Digital Video and working with Flash
- Introducing Java and working with Java Applets
- Exploring the Applet Element and Other Objects

7. Working with XHTML (Tutorial 9)

Potential Elements of the Performance:

- Introducing XHTML
- Creating Well-Formed Documents
- Creating Valid XHTML Documents
- Using Style Sheets and XHTML

III. TOPICS:

1. Developing a Web Page
2. Develop a Web Site
3. Work with Cascading Style Sheets
4. Creating Special with CSS
5. Working with Web Tables and Web Forms
6. Working with Multimedia
7. Working with XHTML

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

The specific book information for this course text is as follows:

Title: New Perspectives on HTML and XHTML: Comprehensive,
5th Edition
Author: Patrick Carey
ISBN-13: 978-1-4239-2546-0

Option 1: Purchase a subscription to a digital copy (eBook).

The student can purchase a web version or a downloadable version. The most common subscription timeframe is 180 days but this varies depending on the text, publisher and/or web site. After the subscription timeframe has expired, the student no longer can access the text unless they extend/renew the subscription. If the bookstore offers an e-version of the text, the subscription timeframe is unlimited, but the subscription cost may be greater.

The advantages of the eBook version over the hardcopy version are twofold: savings of approximately 40% – 60%, and, no physical text to carry.

eBook Links: 1) http://instructors.coursesmart.com/9781423925460?_professorview=false&_instructor=1732365
2) <http://www.nelsonbrain.com/shop/isbn/9781423925460>
3) see student portal for availability of e-book version from bookstore (bookstore offers an "unlimited" timeframe on subscriptions)

eBook Help: <http://support.coursesmart.com/ics/support/default.asp?deptID=8070&task=knowledge&folderID=53>

Option 2: Purchase a hardcopy.

The student may choose to purchase a hardcopy of the text from the above sites or from the bookstore.

V. EVALUATION PROCESS/GRADING SYSTEM:

◆ Quizzes	16%
◆ Tests	60%
◆ Labs/Assignments	24%

Some minor modifications to the above percentages may be necessary. The professor reserves the right to adjust the mark based upon leadership, creativity and whether there is an improving trend.

- Students must achieve an average grade of **50%** on both the test and assignment portions of the course in order to pass the entire course.
- Assignments must be completed satisfactorily to complete the course. Late hand in penalties will be 10% per day. Assignments will not be accepted past one week late unless there are extenuating and legitimate circumstances.
- The professor reserves the right to adjust the number of tests, practical tests and quizzes based on unforeseen circumstances. The students will be given sufficient notice to any changes and the reasons thereof.

The following semester grades will be assigned to students in postsecondary courses.

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 – 100%	4.00
A	80 – 89%	4.00
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	Below 50%	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

VI. OTHER EVALUATION CONSIDERATIONS:

1. In order to pass this course the student must obtain an overall test/quiz average of **50%** or better, as well as, an overall assignment average of **50%** or better. A student who is not present to write a particular test/quiz, and does not notify the professor beforehand of their intended absence, may be subject to a zero grade on that test/quiz.
2. There will be **no** supplemental or make-up quizzes/tests in this course unless there are extenuating circumstances.
3. Assignments must be submitted by the due date according to the specifications of the professor. Late assignments will normally be given a mark of zero. Late assignments will only be marked at the discretion of the professor in cases where there were extenuating circumstances.
4. Any assignment/projects submissions, deemed to be copied, will result in a **zero** grade being assigned to **all** students involved in that particular incident.
5. It is the responsibility of the student to ask the professor to clarify any assignment requirements.
6. The professor reserves the right to modify the assessment process to meet any changing needs of the class.

VII. SPECIAL NOTES:Communication:

The professor reserves the right to use tools other than **WebCT/LMS**, such as Microsoft Outlook, for the primary channel of communication.

Attendance:

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session. *It is the departmental policy that once the classroom door has been closed, the learning process has begun. Late arrivers may not be granted admission to the room.*

Absences due to medical or other unavoidable circumstances should be discussed with the professor, otherwise a penalty may be assessed. The penalty depends on course hours and will be applied as follows:

Course Hours	Deduction
5 hrs/week (75 hrs)	1.0% /hr
4 hrs/week (60 hrs)	1.5% /hr
3 hrs/week (45 hrs)	2.0% /hr
2 hrs/week (30 hrs)	3.0% /hr

Absentee reports will be discussed with each student. Final penalties will be reviewed and assessed at the discretion of the professor.

VIII. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located on the portal form part of this course outline.