

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



Sault College

COURSE OUTLINE

COURSE TITLE: Introduction to Web Development
CODE NO. : CSD120 **SEMESTER:** 1
PROGRAM: Computer Studies
AUTHOR: Dennis Ochoski
DATE: Sept 2010 **PREVIOUS OUTLINE DATED:** Sept 2009
APPROVED: _____ **May 2010**
"B. Punch"
_____ **CHAIR** **DATE**
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:

Title: HTML, XHTML and Dynamic
HTML(Comprehensive) 4th Edition

Author: Patrick Carey

ISBN: 978-1-4239-2543-9

Memory stick is required and all work must be backed up every lab.

V. EVALUATION PROCESS/GRADING SYSTEM:

◆ Quizzes	20%
◆ Tests	40%
◆ Labs/Assignments	40%

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 complete achieve an average grade of **50%** on both the test and assignment portions of the course in order to pass the entire course.
- * All Assignments must be completed satisfactorily to complete the course. Late hand in penalties will be 5% 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%	3.00
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. SPECIAL NOTES:

Course Outline Amendments:

The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Retention of Course Outlines:

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.

Prior Learning Assessment:

Students who wish to apply for advance credit transfer (advanced standing) should obtain an Application for Advance Credit from the program coordinator (or the course coordinator regarding a general education transfer request) or academic assistant. Students will be required to provide an unofficial transcript and course outline related to the course in question. Please refer to the Student Academic Calendar of Events for the deadline date by which application must be made for advance standing.

Credit for prior learning will also be given upon successful completion of a challenge exam or portfolio.

Substitute course information is available in the Registrar's office.

Disability Services:

If you are a student with a disability (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Disability Services office. Visit Room E1101 or call Extension 2703 so that support services can be arranged for you.

Tuition Default:

Students who have defaulted on the payment of tuition (tuition has not been paid in full, payments were not deferred or payment plan not honoured) as of the first week of *November* will be removed from placement and clinical activities. This may result in loss of mandatory hours or incomplete course work. Sault College will not be responsible for incomplete hours or outcomes that are not achieved or any other academic requirement not met as of the result of tuition default. Students are encouraged to communicate with Financial Services with regard to the status of their tuition prior to this deadline to ensure that their financial status does not interfere with academic progress.

Communication:

The College considers **WebCT/LMS** as the primary channel of communication for each course. Regularly checking this software platform is critical as it will keep you directly connected with faculty and current course information. Success in this course may be directly related to your willingness to take advantage of the **Learning Management System** communication tool.

The professor reserves the right to use other tools and / or techniques that may be more applicable. These other tools and / or techniques for effective communication will be discussed, identified and presented throughout the delivery of the course content.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Code of Conduct*. A professor/instructor may assign a sanction as defined below, or make recommendations to the Academic Chair for disposition of the matter. The professor/instructor may (i) issue a verbal reprimand, (ii) make an assignment of a lower grade with explanation, (iii) require additional academic assignments and issue a lower grade upon completion to the maximum grade “C”, (iv) make an automatic assignment of a failing grade, (v) recommend to the Chair dismissal from the course with the assignment of a failing grade. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Student Portal:

The Sault College portal allows you to view all your student information in one place. **mysaultcollege** gives you personalized access to online resources seven days a week from your home or school computer. Single log-in access allows you to see your personal and financial information, timetable, grades, records of achievement, unofficial transcript, and outstanding obligations, in addition to announcements, news, academic calendar of events, class cancellations, your learning management system (LMS), and much more. Go to <https://my.saultcollege.ca>.

Electronic Devices in the Classroom:

Students who wish to use electronic devices in the classroom will seek permission of the faculty member before proceeding to record instruction. With the exception of issues related to accommodations of disability, the decision to approve or refuse the request is the responsibility of the faculty member. Recorded classroom instruction will be used only for personal use and will not be used for any other purpose. Recorded classroom instruction will be destroyed at the end of the course. To ensure this, the student is required to return all copies of recorded material to the faculty member by the last day of class in the semester. Where the use of an electronic device has been approved, the student agrees that materials recorded are for his/her use only, are not for distribution, and are the sole property of the College.

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.

Absenteeism will affect a student's ability to succeed in this course. Absences due to medical or other unavoidable circumstances should be discussed with the professor. Students are required to be in class on time and attendance will be taken within the first five minutes of class. A missed class will result in a penalty in your marks unless you have discussed your absence with the professor as described above. The penalty depends on course hours and will be applied as follows:

Course Hours	Deduction
5 hrs/week (75 hrs)	1% / hr
4 hrs/week (60 hrs)	1.5% /hr
3 hrs/week (45 hrs)	2% /hr
2 hrs/week (30 hrs)	3% /hr

Absentee reports will be discussed with each student during regular meetings with Faculty Mentors. Final penalties will be reviewed by the professor and will be at the discretion of the professor.