

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



Sault College

COURSE OUTLINE

COURSE TITLE: Intro to Computers and Multimedia Concepts
CODE NO. : ADV120 **SEMESTER:** 1
PROGRAM: Advertising Arts Program
AUTHOR: Fred Carella / Dan Kachur
DATE: Sep 2005 **PREVIOUS OUTLINE DATED:** Sept 2004
APPROVED:

DEAN **DATE**

TOTAL CREDITS: 3
PREREQUISITE(S): NONE
HOURS/WEEK: 3

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For additional information, please contact Colin Kirkwood, Dean
School of Technology, Skilled Trades, Natural Resources & Business
(705) 759-2554, Ext.2688

I. **COURSE DESCRIPTION:**

This course begins with the introduction of various computer concepts including Operating System fundamentals such as file systems and networking as well as the hardware components, which make up a typical multimedia computer system.

The course continues with an introduction to HTML and the World Wide Web where the student will create and publish web pages in a client/server environment. Various HTML technologies will be covered including HTML, XHTML, Cascading Style Sheets, forms and scripting.

II. **LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

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

1. Identify and explain the function of the various components that make up a multimedia computer system.

Potential Elements of the Performance:

- Define the role and function of the Operating System.
- Identify and describe the various components relating to multimedia hardware and software.
- Analyze the use of additional auxiliary devices such as scanners, zip drives, cameras, digital capture cards, etc...
- Identify and use various multimedia applications.

2. Use the operating system in a networked environment.

Potential Elements of the Performance:

- Use ftp tools to upload and download files.
- Understand the client/server relationship and apply that understanding to the creation and publishing of web pages.
- Understand the World Wide Web and identify the role of the HTML and the HTTP protocol.
- Use various web clients.

3. Apply an understanding of the file system to create, modify and delete files as well as navigate that file system in a standalone, networked or web-based environment.

Potential Elements of the Performance:

- Understand the role of the file system.
- Create, modify and delete files in a GUI and command line environment using various applications.
- Understand the various file types including but not limited to binary and text files and use various applications and techniques for creating those files.

4. Develop and publish web pages.
Potential Elements of the Performance:
 - Define and differentiate various technologies such as HTML, XHTML and cascading style sheets.
 - Develop web pages at the tag level using an html editor.
 - Understand the structure of a minimal web page.
 - Identify and locate the various standards and resources that apply to web page technologies.
 - Create web pages that include:
 - basic formatting such as bold, underline, etc...
 - images
 - links
 - styles
 - css layouts
 - tables
 - frames
 - lists
 - forms
 - client side scripts (JavaScript)
 - Test web pages from a client system.
 - Publish web pages to a server using ftp tools.

III. TOPICS:

1. The multimedia computer
2. Operating Systems and Networks
3. File Systems
4. Develop and Publish Web Pages

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Creating Web Pages with HTML and XML
 Authors: Carey and Kemper
 Prentice Hall
 ISBN: 0-619-10115-6

Instructor supplied notes and resources

V. EVALUATION PROCESS/GRADING SYSTEM:

Test 1 – Outcomes 1,2 30%
 Test 2 – Outcomes 3,4 30%
 Assignments - 40%
 100%

The following semester grades will be assigned to students:

Grade	<u>Definition</u>	<i>Grade Point Equivalent</i>
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A+	90 – 100%	4.00
A	80 – 89%	
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	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:

Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Special Needs office. Visit Room E1101 or call Extension 2493 so that support services can be arranged for you.

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.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Rights and Responsibilities*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. 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.

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.

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

A student must pass both the lab and theory portions of the course in order to achieve a passing grade.

VII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

VIII. DIRECT CREDIT TRANSFERS:

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.