SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ON

COURSE OUTLINE

Course Title: **Multimedia Publishing**

Code No.:   **CSE3020**   **Semester:**   **FIVE**

Program: **Computer Studies**

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Date: **Sept 2002**   **Previous Outline Date: Sept 2001**

Approved: _____   _____
                         Dean   **Date**

Total Credits: **6**   **Prerequisite:**

Length of Course: **16 Weeks**   **Total Credit Hours: 64**

Multimedia Publishing   **CSE302**
COURSE NAME   **COURSE CODE**

I .   COURSE DESCRIPTION :

This course will develop a practical ability in the design and implementation
of web sites and web based applications.

Students will learn core technologies required to develop a Web site. They
will learn design techniques and use text, graphics and multimedia to create
dynamic web sites and web based applications.

II .   LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE :

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

1 .   Discuss the characteristics of multimedia systems.

   Potential elements of the performance:

   - Understand the term "Multimedia"
   - Discuss how multimedia is currently being used.
   - Discuss hardware requirements and new technologies.
   - Planing a multimedia web based application

   This will constitute approximately 5 % of the course grade.

2.   Discuss file formats and compression techniques

   Potential elements of the performance:

- Understand various multimedia File Formats and Types
- Understand and create Multimedia Text
- Understand and create Hypertext, Hyper Pictures, Hyper Buttons
- Understand and create Video
- Understand and create Audio and Midi Sequencing
- Understand and create Waveform Audio Recording
- Understand and create images from digital camera/scanners
- Understand and Use animation techniques
- Understand and Use File Compression Techniques.

   This will constitute approximately 5% of the course grade.

3.   Understand and use basic to advanced HTML

   Potential elements of the performance:

   - Discuss the basic structure of a web page
   - Discuss basic structure of a web based system
   - Understand and use basic formatting techniques
   - Using LISTS and ANCHORS
   - Understand and use Frames
   - Create and use Tables
   - Create and use Forms
   - Use Mailto Function
   - Incorporate Java Script into web pages
   - Understand and use IMAGE MAPPING
   - Discuss ASP and database Applications

   This will constitute 30% of the course grade.

4.   Understand and use Basic Flash Technologies

   Potential elements of the performance:

   - Understand basic Flash concepts
   - Create Animation with Keyframes
   - Understand and use various tweening methods
   - Create Talking animation
   - Create interactive Flash page
   - Animate Color and text effects
   - Incorporate Flash into web pages

   Potential elements of the performance:

   This will constitute 30% of the course grade.

5.   *Creating a multimedia web based application.*

Potential elements of the performance:

- Create and embed sound files
- Review Formats and compression
- Discuss Sample Rates and Resolution
- Create and embed Video
- Discuss Frame Rates and Compression
- Discuss Sreaming Audio/Video
- Create and use Java Script and Java Applets
- Create an interactive multimedia web based application incorporating Flash Technologies

This will constitute 30% of the course grade.

II.   TOPICS TO BE COVERED

TOPICS

1.   **Characteristics of a Multimedia System**
2.   **File Formats and Compression Techniques**
3.   **Basic to Advanced HTML**
4.   **Understand Basic Flash Technologies**
5.   **Creating a Multimedia Web Based Application**

IV.   REQUIRED STUDENT RESOURCES

Internet resources
Instructor handouts

V   Evaluation Process/ Grading System.

TESTS	2 @ 20%	40%
Assignments	3 @ 10%	30%
Project	1 @ 30%	30%
	Total	100%

The following semester grades will be assigned to students .

Grade	Definition	Grade Point Equivalent
A+	90 - 100%	4.00
A	80 - 89%	3.75
B	70 - 79%	3.00
C	60 - 69%	2.00
R (Repeat)	59% or below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field placement or non-graded subject areas.	
U	Unsatisfactory achievement in field placement or non-graded subject areas.	
X	A temporary grade. This is used in limited situations with extenuating circumstances giving a student additional time to complete the requirements for a course (see *Policies & Procedures Manual – Deferred Grades and Make-up*).	
NR	Grade not reported to Registrar's office. This is used to facilitate transcript preparation when, for extenuating circumstances, it has not been possible for the faculty member to report grades.	

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 instructor and/or the Special Needs office. Visit Room E1204 or call Extension 493, 717, or 491 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.

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.