

I. COURSE DESCRIPTION:

This course develops the ability to design and implement multimedia products and advanced web pages incorporating Flash, Dreamweaver, style sheets, scripting and other web technologies. The ability to create multimedia content including still images, video, animation and audio and incorporate them in web pages is also developed. In addition, concepts relating to presentation design, computer hardware requirements, media capture, file formats, media storage and presentation hardware will be developed and used in the creation of the presentations.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Discuss Multimedia Design Issues

Potential Elements of the Performance:

- understand, discuss and perform the following design techniques, generate a design spec and create a multimedia presentation based the spec.
- brainstorming
- outlines
- storyboards
- scripts
- building, testing, debugging.

2. Identify, compare and evaluate hardware specifications

Potential Elements of the Performance:

- Multimedia PC specifications
- Digital Camera Technologies
- CDROM/DVD specification and formats
- Audio Formats and specifications
- Video capture hardware/software
- Audio capture hardware/software
- Scanner Technologies
- Mp3 Technologies

3. **Understand File Formats and Compression Techniques**

Potential Elements of the Performance:

- Video/Audio encoding techniques
- .wav (Microsoft WAVE files, RIFF)
- .ram Real Audio files
- real video, quick time, MPEG movies, MP3 audio
- jpeg, gif, png, tiff
- jpeg, mpeg, compression
- vector /raster image files
- active x plugins
- 3-D technologies

4. **Create Web Page Applications**

Potential Elements of the Performance:

- Create an advanced Web Page Application Projects
- Incorporate Video/Audio/Images in a Web Page
- Using Style Sheets
- Using Image maps on a web page.
- Creating Tables
- Using Hover Buttons and Hyper Links
- Create and Use Frames
- Create and use bookmarks
- Using Banners and a Marquee
- Devlope and Use Forms
- Explore and use dynamic html effects
- Incorporate Java Script in a web page
- Adding Database Connections

5. **Animate a Web Site Using Flash Technologies**

Potential Elements of the Performance:

- Understand how Animation Works
- Components of the Flash Screen
- Learning to use the Drawing Tools
- Motion Tweening Techniques
- Shape/Text Tweening
- Working with Guided Layers
- Create Your First Animated Character
- Create mouth shapes to simulate speech
- Create and Use Animated Buttons
- Using Layers
- Import Audio/Video
- Using Action Script
- Create Animated Login Screens
- Using Drag and Drop Technologies
- Creating Forms with Flash
- Publishing a Flash Movie
- Incorporating Flash Movies in a Web Pages
- Advanced Flash Project Student Portfolio

III. TOPICS:

1. Discuss multimedia design issues
2. Identify, compare and evaluate hardware specifications
3. Understand File Formats and Compression Techniques
4. Create Web Page Applications FrontPage/Dreamweaver
5. Animate a Web Site using Flash Technologies

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

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The Instructor will provide all necessary material using demonstrations and online resources and reference material.

Textbook:

Title: Adobe Flash CS3 REVEALED

Authors: Jim Shuman

Publisher: Nelson Education Ltd.

ISBN: 13: 978-1-4283-1963-9

V. EVALUATION PROCESS/GRADING SYSTEM:

1 Written Tests @ 15% each	15%
Lab Assignments	45%
Final Projects (2) @ 20	40%
Total	100%

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)	49% 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	

Plagiarism:

Students should refer to the definition of “academic dishonesty” in Student Code of Conduct. 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.

Special Notes:

- In order to pass this course the student must obtain an overall test/quiz average of 50% or better.

Assignments must be submitted by the due date according to the specifications of the instructor. Late assignments will normally be given a mark of zero. Late assignments will only be marked at the discretion of the instructor in cases where there were extenuating circumstances. Ask for permission from your instructor to hand assignments in late before the due date

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 *<choose November, March, or June>* 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

VII. 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.

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

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