SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE:	Multimedia & Advanced Web Page Development		
CODE NO. :	CSD312	**SEMESTER:**	6
PROGRAM:	Computer Programmer Analyst		
AUTHOR:	Bazlur Rasheed		
DATE:	Sep., 2013	**PREVIOUS OUTLINE DATED:**	Sep 2011
APPROVED:	"Colin Kirkwood"		Aug/2013
	_____ *Dean*		_____ *DATE*
TOTAL CREDITS:	4		
PREREQUISITE(S):			
HOURS/WEEK:	3		

I. COURSE DESCRIPTION:

This course develops the ability to design and implement multimedia products and advanced web pages incorporating Flash objects, style sheets, scripting and other web technologies. The ability to create multimedia content including still images, video, animation, interaction 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. Using Cascading Style Sheets

Potential Elements of the Performance:

- Discuss why we use style sheets.
- Review Cascading Style Sheets
- Create Web Page Application Using Style Sheets
- Understand the difference between HTML, XHTML, XML

2. Identify, compare and evaluate hardware specifications

Potential Elements of the Performance:

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

3. Understand File Formats and Compression Techniques

Potential Elements of the Performance:

- Video/Audio encoding techniques
- .wav (Microsoft WAVE files, RIFF)

- 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
- Develop and Use Forms
- Incorporate Flash Technologies
- Incorporate Java Script in a web page

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 Tecniques
- 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 to create distribution media

III. TOPICS

1. Using Cascading Style Sheets
2. Identify, compare and evaluate hardware specifications
3. Understand File Formats and Compression Techniques
4. Create Web Page Applications
5. Understand and use basic Flash Technologies

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Text Book: Adobe Flash Professional CS5 Digital Classroom
By – Fred Gerantabee and the AGI Creative Team;
Wiley Publishing, Inc.;
ISBN: 978-0-470-60776-3

Other Resources: Internet, online tutorial, instructor handouts.

V. EVALUATION PROCESS/GRADING SYSTEM:

The mark for this course will be arrived at as follows:

Quizzes	10%
Tests	20%
Practical Lab Assignments	40%
Final Project	30%
Total	100%

Some minor modifications to the above percentages may be necessary. The professor reserves the right to adjust the mark up or down 5% based on attendance, participation, leadership, creativity and whether there is an improving trend.

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.

- Successful completion of this course is greatly improved with a disciplined approach and consistent attendance to both the lab and lecture / theory classes.
- Students must complete and pass both the test and assignment portion of the course in order to pass the entire courses.
- 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. It is not acceptable to miss classes and / or labs without a reasonable explanation.
- There will also be a lab exercise each and every week that will be due during that lab period. In the event that it cannot be completed during lab time, you will be allowed to complete it as a homework exercise and demonstrate it the following lab with no penalty.

ATTENDANCE:

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% per hour
4 hrs/week (60 hrs)	1.5% per hour
3 hrs/week (45 hrs)	2% per hour
2 hrs/week (30 hrs)	3% per hour

The following semester grades will be assigned to students:

Grade	**Definition**	*Grade Point Equivalent*
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:

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.

VII. COURSE OUTLINE ADDENDUM:

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