COLLEGE OF INFORMATION TECHNOLOGY

DEPARTMENT OF MULTIMEDIA SCIENCE

COURSE SYLLABUS/ SPECIFICATION

Course Code & Title:	**ITMS 327 -Multimedia Softwares II**
Weight:	**(2-2-3)**
Prerequisite:	**ITMS 307**
NQF Level Allocated:	**7**
NQF Notional Hours / Credits:	**120 notional hours/ 12 NQF credit**

Description: This course builds on the knowledge gained from a previous course (ITMS 307). The students will practice mainly two dimension graphs and animation professional software's. The course will cover vector graphics and sound processing, how it works and how to create them using the appropriate software

Objective:

1. To understand the advanced concepts of vector graphics.
2. To apply the stages of creating vector base documents.
3. To understand the advanced concepts of sound processing.
4. To apply the phases of manipulating sound files.

Semester:

Instructor (s):

Office Telephone: **Email (s):**

Intended Learning Outcomes (ILOs):

A. Knowledge and Understanding		NQF Descriptor/ Level
A1	**Concepts and Theories:** Demonstrate advanced knowledge and understanding of vector graphics and sound processing, how it works and how to create them using the appropriate software: Adobe Illustrator and Audacity.	Knowledge: theoretical understanding [Level 7]
A2	**Contemporary Trends, Problems and Research:** NA	
A3	**Professional Responsibility:** NA	

B. Subject-specific Skills		NQF Descriptor/ Level
B1	**Problem Solving:** Describe the problems related to Vector graphics documents and Sound Files and solve them respectively by efficient vector graphics processing tool and Sound processing tool.	Knowledge: Practical Application [Level 7]
B2	**Modeling and Design:** Design, implements, and evaluates a vector graphics documents and sound files.	Knowledge: Practical Application [Level 7]
B3	**Application of Methods and Tools:** Apply appropriate methods, techniques, and tools used in modern vector graphics documents and sound files.	Knowledge: Practical Application [Level 7]

C. Critical-Thinking Skills		NQF Descriptor/ Level
C1	**Analytic skills:** Critically analyze a problem and choose the appropriate methods in a vector graphics documents and sound files to solve it.	Generic Problem Solving & Analytical skills [Level 7]
C2	**Synthetic:** NA	
C3	**Creative Thinking and innovation:** Demonstrate creativity in relation to the concepts of vector graphics and sound files methods and techniques in an effective manner to create new ideas and concepts.	Knowledge: Practical Application [Level 7]

D. General and Transferable Skills (other skills relevant to employability and personal development)		NQF Descriptor/ Level
D1	**Communication:** Show the ability to express and communicate ideas effectively, in written and oral form.	Communication, ICT and Numeracy Skills [Level 6]
D2	**Teamwork and Leadership:** NA	
D3	**Organizational and Developmental Skills:** Demonstrate ability to organize ideas and effectively allocate time in given assignment.	Competence: Autonomy, Responsibility and Context[Level 6]
D4	**Ethics and Social Responsibility:** NA	

Course Structure (Outline)

Course Structure (Outline)						
Week	**Hours**		**ILOs**	**Topics**	**Teaching Method**	**Assessment Method**
	Lec.	**Lab**				
1	4	-	A1	Introduction	Lecture/	-
2	2	2	A1, C1, D1	Adobe Illustrator getting to know the work area	Lecture	Oral Inquiry
3	2	2	A1, B1,B2,B3, D1	Paths	Lecture/ Lab Demonstration/ Supervised Work	Oral Inquiry
4	2	2	A1. B2,B3,C1,C3, D1	Selecting and aligning	Lecture/ Lab Demonstration/ Supervised Work	Oral Inquiry
5	2	2	A1, B2,B3,C1,D1	Creating shapes	Lecture/ Lab Demonstratio	Oral Inquiry

					n/ Supervised Work	
6	2	2	A1,B1,B2	Transforming objects	Lecture/ Lab Demonstration/ Supervised Work	Quiz 1
7	2	2	A1, B2,B3,C1,D1	Drawing with the pen tool	Lecture/ Lab Demonstration/ Supervised Work	Oral Inquiry
8	2	2	A1, B2,B3,C1,D1	Color and painting	Lecture/ Lab Demonstration/ Supervised Work	Oral Inquiry
9	2	2	A1, B1, B2 B3, C1, D1,D3	Working with type and layers	Lecture/ Lab Demonstration/ Supervised Work	Lab Project 1
10	2	2	A1, B1, B2, B3, C1, C3	Working with gradients	Lecture/ Lab Demonstration/ Supervised Work	Test
11	4	-	A1	Introduction to sound processing	Lecture	-
12	2	2	A1, C1, D1	Overview of Audacity	Lecture	Oral Inquiry
13	2	2	A1, B1, B2 B3, C1, D1,D3	Recording and editing	Lecture/ Lab Demonstration/ Supervised Work	Lab Project 2
14	2	2	A1,B1,B2	Processing a sound, Applying effects	Lecture/ Lab Demonstration/ Supervised Work	Quiz 2
15	2	2	B1, B2, B3, C1, C3, D1,D3	Processing a sound, Applying effects, Revision	Lecture/ Presentation Of Projects By	Final Project

					Students	
16	1	1	A1, B1, B2, B3, C1, C3	All Topics		Final Exam

Teaching Materials:

Textbook(s):	**1-** Brian Wood, Adobe Illustrator CC Classroom in a book (2019 Release), Adobe Press, 2020,ISBN: 978-0135262160
Handout(s):	Power point slides, http://www.ahlia.edu.bh/moodle.
Reference(s):	1. Brian Wood, Adobe Illustrator CC Classroom in a book, Adobe Press, 2014,ISBN: 978-0-13-390565-6 2. Adobe Creative team, Adobe Illustrator CS6, Classroom in book, Adobe Press, 2012. 3. Aquent Creative Team, "AdobeIllustrator® CS4DigitalClassroom",Wiley Publishing, Inc, 2009. 4. Adobe Creative Team, "Adobe Illustrator CS4 Classroom in a Book", Adobe Press, 2008.

Assessment

Type of Assessment[1]	Description[2]	ILOs[3]	Weighting
Lab Project 1	Students will be asked (individually) to use and apply Adobe Illustrator tools to analyze and process logos, art works to develop new designs. The output of the project should be submitted electronically by the end of week 9 to be tested and evaluated. Student project will be evaluated in lab sessions where students have to justify their choices of the design.	A1, B1, B2 B3, C1, D1,D3	5%
Lab Project 2	Students will be asked (individually) to use and apply Audacity Software to analyze and process sounds to develop new sounds files. The output of the project should be submitted electronically by the end of week 13 to be tested and evaluated. Student project will be evaluated in lab sessions where students have to justify their choices of the design.	A1, B1, B2 B3, C1, D1,D3	5%

Quizzes (Average of two quizzes)	The quiz will consist of MCQs, short-answer, essay, problem solving questions, and practical questions. The duration of the quiz is 20 minutes and will be taken in Lab. The purpose of the quiz is to assess the students' knowledge and understanding of key concepts, principles theories and practical of Adobe Illustrator and Audacity.	A1,B1,B2	10%
Oral Inquiry	Students will be questioned orally to demonstrate their understanding and knowledge of the topics covered during class lectures and lab sessions. Feedback will be given to students to reaffirm their learning outcomes.	A1, D1	Formative
Test (Written and Practical)	The test will be an in-class 1-hour exam that will consists of short-answer, essay, and problem solving questions and cover the topics studied in the first 9 weeks.	A1, B1, B2, B3, C1, C3	30%
Final Project(Report and Presentation)	Students will be asked (individually) to use and apply Adobe Illustrator and Audacity tools to analyze, design, and develop a new complete project includes two dimension graphs, animation, vector graphics and sound processing. The output of the project should be submitted electronically by the end of week 15 to be tested and evaluated. Student project will be evaluated in lab sessions where students have to justify their choices of the design.	B1, B2, B3, C1, C3, D1,D3	10%
Final Exam (Written and Practical)	The final exam is comprehensive and will be of two hours duration. It will consist of short-answer, essay and problem-solving questions to be done on computers.	A1, B1, B2, B3, C1, C3	40%
		Overall	100%

Admissions	
Pre-requisites	**ITMS 307**
Minimum number of students	**8**
Maximum number of students	**20**