



COURSE Syllabus **According to JNQF**

Course Name: Multimedia Systems

Course Number: 06021261

General Course Information:

Course title	Multimedia Systems
Course number	06021261
Credit hours	3
Contact hours	3 [Face-to-Face]
Prerequisites/corequisites	Discrete Math (600102)
Academic Program	Computer Information Systems
Program code	602
Awarding institution	Isra University
Faculty	Information Technology
Department	Computer Information Systems
Level of course	1 st level
Academic year /semester	2021/2021/2 nd
Awarded qualification	BSc.
Other department(s) involved in teaching the course	none
Language of instruction	English
Date of production/revision	2021/2022

Course Coordinator:

Coordinator's Name: Dr. Jamal Zraqou
Office No.: 4158
Office Phone:
Office Hours: 10:00-11:00] [11:00-12:00] Sun, Tue, Thur. [8:00-9:00] Mon, Wed
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Other Instructors:

Instructor's Name:
Office No.:
Office Phone:
Office Hours:
Email:

Course Description (English/Arabic):

English	Introduction to the study and creation of multimedia, using various software programs. Students will learn both the aesthetic and technical aspects of multimedia design and production. Students will be introduced to Web production and the business process behind multimedia, working in teams to produce a Web-based product for real business clients. Students will use software programs such as Macromedia Dreamweaver, Flash, Director, and Adobe Photoshop.
Arabic	مقدمة في دراسة وإنشاء الوسائط المتعددة باستخدام البرامج المختلفة. سيتعلم الطلاب الجوانب الجمالية والتقنية لتصميم وإنتاج الوسائط المتعددة. سيتم تعريف الطلاب بإنتاج الويب والعملية التجارية وراء الوسائط المتعددة، والعمل في فرق لإنتاج منتج قائم على الويب لعملاء أعمال حقيقيين. سيستخدم الطلاب برامج مثل Macromedia Dreamweaver و Flash و Director و Adobe Photoshop.

Text Book: Author(s), Title, Publisher, Edition, Year, Book website.

Tay Vaughan, Multimedia: Making It Work, 9 th ed, McGraw-Hill Osborne Media, 2014
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References: Author(s), Title, Publisher, Edition, Year, Book website.

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| <ol style="list-style-type: none"> 1. Ze-Nian Li & Mark S. Drew, Fundamentals of Multimedia, 2ndEd, Springer, 2014 2. Photoshop editor manual: https://helpx.adobe.com/content/dam/help/en/pdf/photoshop_reference.pdf 3. HTML 2015, Tutorials Point (I) Pvt. Ltd: https://www.tutorialspoint.com/html/html_tutorial.pdf 4. Audacity manual: https://manual.audacityteam.org/ 5. Adobe flash user guide: https://www.adobe.com/support/documentation/archived_content/en/flash/cs3/flash_cs3_help.pdf available on: http://elearn.iu.edu.jo/ 6. Moodle e-learning course website available on: http://elearn.iu.edu.jo/ |
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Course Educational Objectives (CEOs):

1.	Explain multimedia concepts, tools, and applications.
2.	Understand how text, images, sound, and video can be digitized on the computer.
3.	Explain coding and compression techniques.
4.	Develop the students' skills of using multimedia tools by Experimenting authoring tools to create one or more small projects.
5.	Summarize stages and requirement to develop a multimedia project.

Intended Learning Outcomes (ILO's):

	Intended Learning Outcomes (ILO's)	Relationship to CEOs	Contribution to PLOs
A	Knowledge and Understanding:		
A1	Synthesize terminology, technology, and Multimedia components (Text, image, audio, video, and animation) and principles to develop multimedia product. (ILO1)	1,2	PLO1(a)
B	Intellectual skills:		
B1	Apply compression techniques for different multimedia components (text, image, video, sound, and animation). (ILO2)	3	PLO2(b)
C	Subject specific skills:		
C1	Design and implement multimedia project using various techniques and tools (HTML, Photoshop editor, Audacity, Flash). (ILO3).	4	PLO2 (b)

C2	Plan, develop, and team working to produce a multimedia product. (ILO4).	5	PLO5 (e)
D	Transferable skills:		
D1			

Weekly Schedule (please chose the type of teaching)

✓ (3 hrs Face – To - Face)

□ (2 hrs Face – To - Face +1 hr Asynchronous) (Hybrid)

□ (3 hrs Online)

Week	First Hour (.....)	Second Hour (.....)	Third Hour (.....)	Ach. ILOs	Ach. PLOs	Descriptors*
1	Introduction to Multimedia	Introduction to Multimedia	Basic Software Design	A1	a	
2	Multimedia: Software	Multimedia: Software	Multimedia: Hardware	A1	a	
3	Stages of a MM project	Requirements for a MM projects.	Members of a multimedia team	C2	b	
4	Graphics & Image: Concepts	Multimedia Data: Image	Bitmap Images: Colors and palettes	A1	a	
5	Graphics & Image:	Vector drawn images	Image files types used in multimedia.	A1	a	
6	Practical: Adobe Photoshop editor	Practical: Adobe Photoshop editor	Practical: Adobe Photoshop editor	C1	b	
7	Text importance, encoding	Fonts (type, size, style)	Text in MM Editing design tools	A1	a	
8	Practical: HTML	Practical: HTML	MID Exam	C1	b	
9	Audio	Sound terminology	Analog Vs. Digital	A1	a	
10	Practical: Audacity	Practical: Audacity	Practical: Audacity	C1	b	
11	Animation: Principles of Animation	Computer-Generated Animation	Animation Process & Techniques	A1	a	
12	Practical: Adobe Flash	Practical: Adobe Flash	Practical: Adobe Flash	C1	b	
13	Practical: Adobe Flash	Practical: Adobe Flash	Practical: Adobe Flash	C1	b	
14	Coding and Compression	Coding and Compression	Coding and Compression	B1	c	
15	Discussion	Discussion	Discussion	C2	d	
16	Review	Review	Final Exam			

* K: Knowledge, S: Skills, C: Competency

Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- ✓ (3 hrs Face – To - Face)
- (2 hrs. Face – To - Face +1 hr Asynchronous) (Hybrid)
- (3 hrs Online)
- Course Videos
- Practice Labs
- Discussion Forums
- ✓ Quizzes
- Other Interactive online activities

Course Policies:

A- Attendance policies:

The maximum allowed absences is 15% of the lectures.

B- Absences from exams and handing in assignments on time:

Midterm exam can be retaken based on approval of excuse by the instructor's discretion.

Not handing assignment on time will incur penalties.

C- Academic Health and safety procedures

D- Honesty policy regarding cheating, plagiarism, and misbehaviour:

Cheating, plagiarism, misbehaviour will result in zero grade and further disciplinary actions may be taken.

E- Grading policy:

- All homework is to be posted online through the e-learning system.
- Exams will be marked within 72 hours and the marked exam papers will be handed to the students.
- Online Activities (Course Videos, Practice labs, Discussion Forums, Quizzes) ____%
- Midterm ____%
- Final Exam ____%

F- Available university services that support achievement in the course: **E-Learning Platform, Labs, Library.**

Required equipment:

- PC / Laptop with webcam and mic
- Internet Connection
- Access to Online Compiles such as:
Access to the IU E-Learning Platform at: <https://elearn.iu.edu.io/>

Assessment Tools implemented in the course:

- ✓ Final Exam
- ✓ Midterm Exam
- ✓ Quizzes
- Practice Labs
- Discussion Forums

Program Learning Outcome (PLOs):

Program Learning Outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the knowledge, skills, and behaviours that students acquire as they progress through the program. A graduate of the () program will demonstrate		Bloom Taxonomy Levels*
a	Analyse a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.	
b	Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline	
c	Communicate effectively in a variety of professional contexts	
d	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.	
e	Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.	
f	Support the delivery, use, and management of information systems within an information systems environment. [IS]	
g		
h		
i		
m		
n		
o		

*Bloom Taxonomy Levels

Level #	1	2	3	4	5	6
Level Name	Knowledge	Comprehension	Application	Analysis	Evaluation	Synthesis

Responsible Persons and their Signatures:

Course Coordinator	Dr. Jamal Zraqou	Completed Date	20 / 10 /2021
		Signature	
Received by (Department Head)	Dr. Faisal Al-Zyood	Received Date	20 / 10 /2021
		Signature	