



Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic
Accreditation
Accreditation Department



University: Al-Mustaqbal University
College: Engineering and Technical Engineering
Department: Computer Engineering Techniques
Lecturer name: Ali KAdhim Khudhier Bermani
Scientific title: Asst. Prof.
Academic qualification: Master
Work location: Computer Engineering Techniques

Course Description Form 2024/2025

1- Course Name	Multimedia Computing
2- Course Code	MU0224006
3- Semester / Year	2025/2026
4- Description Preparation Date:	1-10-2025
5- Available Attendance Forms:	Lectures in the presence of students (Online if necessary)
6- Number of study hours (total)/number of units (total)	60 hours and 60 hours practical-30 week / 6 unit
7- Name of the course administrator (if there is more than one teaching staff, all of their names will be mentioned)	Asst. Prof. Ali Kadhim Bermani &, Lec. Zainab Fahair Alwan

8. Expected learning outcomes of the program

Knowledge and understanding		
A1	Ability to apply knowledge in mathematics, science, and engineering.	✓
A2	Understand the professional and ethical responsibilities of the field of specialization.	✓
A3	Ability to evaluate course outcomes with faculty, industry and professional practitioners, as well as employers and graduate students to improve them	✓
A4	Teaching leadership skills and the value of quality commitment, ethical behavior and respect for others	✓
Subject-specific skills		
B1	Ability to work and integrate into multidisciplinary teams	✓
B2	Ability to design and conduct experiments as well as analyze and interpret data.	✓
B3	The ability to use modern techniques, engineering skills and tools to practice engineering.	✓
B4	Ability to identify and formulate engineering problems in the field of specialization	✓
thinking skills		
C1	The ability to communicate effectively with those concerned with the Field of specialization	✓
C2	Recognizing the need and ability to engage in lifelong learning.	✓
C3	Knowledge of contemporary issues in the field of specialization	✓
C4	The broad learning necessary to understand the impact of engineering solutions on global economic, environmental and social problems	✓
Generic and transferable skills (other skills related to employability and personal development)		
D1	Ability to manage and work on all types of computers	✓
D2	The ability to design computers using the latest design and simulation software, which is a process to meet the required needs within the field of specialization in a realistic framework.	✓
D3	Ability to work on modern and advanced programs	✓
D4	Ability to adapt to similar specializations (communications engineering, robotics engineering, renewable energy, etc.)	✓

9. Teaching and Learning Strategies

Strategies	Encourage students' participation in solving exercises, while improving and expanding their critical thinking skills. This will be accomplished through interactive classroom and tutorial programs and by looking at types of simple experiments that include some sampling activities of interest to students.
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10- Outcomes of the bachelor's program in technical engineering according to the guidelines of the National Council for Programmatic Accreditation for Technical Engineering Education, the Academic Accreditation for Engineering and Technology (ABET), and the International Engineering Alliance (IEA).

a - Selects and applies modern knowledge, techniques, skills and devices in large-scale engineering activities.	✓
b - Selects and applies knowledge of mathematics, engineering, technology, and other sciences to solve engineering problems that require the application of applied principles, procedures, or methodologies.	✓
c- Conducts the required tests, experiments, and measurements, analyzes and interprets their results, and applies experimental results to improve engineering processes.	
d- Designs systems, components, or processes for large-scale engineering problems that fit the objectives of the educational program.	
e- Works effectively as a member or leader in a specialized engineering team.	✓
f- Identifies, analyzes and solves large-scale engineering problems.	✓
g - Identify and utilize appropriate technical literature as well as apply written documents, oral communications, and graphics in both technical and non-technical environments.	✓
h- Participates in self-directed continuing professional development.	✓
i - Selects and applies modern knowledge, techniques, skills and devices in large-scale engineering activities.	✓
j - Selects and applies knowledge of mathematics, engineering, technology, and other sciences to solve engineering problems that require the application of applied principles, procedures, or methodologies.	✓
k- Conducts the required tests, experiments, and measurements, analyzes and interprets their results, and applies experimental results to improve engineering processes.	

11. Objectives of the educational program: Given the rapid scientific and technological progress in the field of computer technology, the Department of Computer Engineering Technology is working to achieve clear strategic objectives that will help it achieve a prominent position within the academic communities, which are becoming clear.

A- Maintaining and improving the quality of the curriculum	A1	Introducing scientifically and internationally updated curricula into the study of computer technology and keeping pace with rapid scientific developments through direct contact with computer engineering decision-makers around the world and direct contact with colleges and institutes specializing in computer technology.	✓
	A2	Continuous evaluation and development of curricula.	✓
	A3	Linking student projects and research to community needs.	✓
	A4	Expanding students' concepts through field visits to internal computer centers, seminars, and training in computer centers and maintenance workshops.	✓
B - Modernizing and opening laboratories by providing them with the latest technical equipment and equipment in the field of specialization and managing them with skilled technicians.	B1	Students use the latest modern laboratory and programming technologies	✓
C- Providing the best university environment for faculty and students	C1	Providing air-conditioned classrooms equipped with the latest display devices, providing offices for teachers, green spaces, a club, and a library.	✓
D- Maintaining the technical development of faculty members	D1	Encouraging effective scientific participation and visits in conferences and technical meetings, especially with Iraqi and international computer centers and global training companies.	✓
	D2	Continuous review and evaluation of student and faculty activities	✓
	D3	Continuous review and evaluation of student and faculty activities Encouraging students' initiatives and achievements in various academic, artistic and religious fields with the teaching staff	✓
E- Knowledge production	E1	Conducting distinguished theoretical and applied research for students with the faculty	✓
	E2	Encouraging scientific publishing and stimulating the collective work of research groups from different disciplines	✓
	E3	Striving to increase sources of funding for practical and theoretical research for students and faculty through publishing in local and international engineering journals	✓
F- Initiatives	F1	Initiatives to reduce administrative routine and facilitate work procedures through educational guidance and developing the relationship between students and teachers.	✓
G- Activating and strengthening ties with public government agencies and the private sector	G1	Organizing conferences, seminars and educational courses	✓
	G2	Encouraging consulting work and providing services at the professional level in all engineering specializations (technology incubator)	✓

12. Course structure									
Week	Hours	Required learning outcomes		Name of the unit or topic	Learning method		Direct assessment method		Indirect assessment method
1	2 + 2 for lab.	Knowledge and understanding	√	Introduction to Multimedia	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions
		thinking skills	√		Scientific seminars on the most important research carried out in the field of .specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student .opinions
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups		Projects and observation		external assessmengers
2	2 + 2 for lab	Knowledge and understanding	√	Hypertext and Multimedia	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions

		thinking skills	√	Multimedia Components	Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
3	2 + 2 for lab	Knowledge and understanding	√	Multimedia Components	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
4	2 + 2 for lab	Knowledge and understanding	√	Research Topics and Projects in Multimedia	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√	Multimedia Applications	Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
5 2 + 2 for lab	2 + 2 for lab	Knowledge and understanding	√	Multimedia Applications	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
6 2 + 2 for lab	2 + 2 for lab	Knowledge and understanding	√	Web-based Multimedia	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√	Multimedia Data Fundamentals	Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
7	2 + 2 for lab	Knowledge and understanding	√	Multimedia Data Fundamentals	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
8	2 + 2 for lab	Knowledge and understanding	√	Image and Graphics Data Representation (1)	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
9	2 + 2 for lab	Knowledge and understanding	√	Image and Graphics Data Representation (2)	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
10	2 + 2 for lab	Knowledge and understanding	√	Image Digitization	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
11	2 + 2 for lab	Knowledge and understanding	√	Spatial Resolution and Quantization	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
12	2 + 2 for lab	Knowledge and understanding	√	Types of Images	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
13	2 + 2 for lab	Knowledge and understanding	√	Image File Formats	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
14	2 + 2 for lab	Knowledge and understanding	√	Arithmetic Operations on Images	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
15	2 + 2 for lab	Knowledge and understanding	√	Logical Operations on Images	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	√
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	√
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	√
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	√
16	2 + 2 for lab	Knowledge and understanding	√	Image Histogram Representation	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
17	2 + 2 for lab	Knowledge and understanding	√	Image Enhancement and Modification	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
18	2 + 2 for lab	Knowledge and understanding	√	Histogram Shrink	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
19	2 + 2 for lab	Knowledge and understanding	√	Histogram Slide	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
20	2 + 2 for lab	Knowledge and understanding	√	Histogram Equalization	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√	Image Compression Techniques	Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
21	2 + 2 for lab	Knowledge and understanding	√	Image Compression Techniques	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
22	2 + 2 for lab	Knowledge and understanding	√	Types of Image Compression	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
23	2 + 2 for lab	Knowledge and understanding	√	Image Compression System Model	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
24	2 + 2 for lab	Knowledge and understanding	√	Shannon-Fano Method	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
25	2 + 2 for lab	Knowledge and understanding	√	Digital Audio Fundamentals	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
26	2 + 2 for lab	Knowledge and understanding	√	Nyquist Theorem	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
27	2 + 2 for lab	Knowledge and understanding	√	Audio Transmission Enhancement	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
28	2 + 2 for lab	Knowledge and understanding	√	Audio Digitization Methods	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills			The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	

		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)	√		An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
29	2 + 2 for lab	Knowledge and understanding		Audio Compression	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	
		thinking skills	√		Scientific seminars on the most important research carried out in the field of specialization		Completion files and performance assistant	√	Interviews or questionnaires to survey student opinions.	
		Generic and transferable skills (other skills related to employability and personal development)			An interactive method by dividing students into small groups	√	Projects and observation		external assessmengers	
30	2 + 2 for lab	Knowledge and understanding	√	Video Fundamentals Study	The direct method is .through lectures	√	Written tests	√	Interviews or questionnaires to survey graduates' opinions	√
		Subject-specific skills	√		The subjective method is through preparing research papers and discussing them collectively		Oral exams	√	Interviews or questionnaires to survey employers' opinions	√

13. Course evaluation: Distributing the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc.

First semester/theoretical	First semester/practical	Second/theoretical semester	Second/practical semester	Work of the year/activities and absences	Final/practical exam	Final/theoretical exam
10	10	10	10	10	10	40

14. Learning and teaching resources

	Required textbooks (methodology, if any)
	Main references (sources)
	Recommended supporting books and references (scientific journals, reports....)
You Tube, Electronic websites	Electronic references, Internet sites