

Ministry of Higher Education and Scientific Research

Scientific Supervision and Scientific Evaluation Apparatus

Directorate of Quality Assurance and Academic Accreditation

Accreditation Department



Academic Program and Course Description Guide

Academic Program Description Form

University Name: ...**University of Mosul.**

Faculty/Institute: ..**college of Science**

Scientific Department: ..**Forensic Evidence.**

Academic or Professional Program Name: **Bachelor's degree .**

Final Certificate Name: **Bachelor's degree in Science /Forensic Evidence**

Academic System: ...**Bologna**

Description Preparation Date: **1/4/2024**

File Completion Date:

Signature:

Raed Salem Al-Saffar

Signature:

Mohammed Subhi

Date:

Approval of the Dean

1. Program Vision

Preparing a specialized, highly qualified staff in the areas of crime investigation, criminal investigations, fingerprint collection, evidence collection and dealing with it.

2. Program Mission

To preserve evidence at the crime scene, take samples from the site, document evidence, learn how to deal with modern equipment and technologies, and support courts and prosecutors with the facts.

3. Program Objectives

Graduating specialized cadres in the field of crime investigation and criminal investigation by teaching them to take fingerprints, use special forensic photography equipment, methods for examining counterfeit currencies and official documents, learn about methods for investigating toxins and drugs, write reports related to that, be familiar with information related to explosives and their types, and fire extinguishing techniques, and become familiar with the basic principles. For first aid and its application, and providing students with scientific techniques in using devices and equipment that can be used in their theoretical and applied studies. Providing state institutions (defence, interior, health and health) with cadres to work in this field.

4. Program Accreditation

We are seeking an ABET program

5. Other external influences

Is there a sponsor for the program?

nothing

6. Program Structure				
Program Structure	Number of Courses	Credit hours	Percentage	Notes
Institution Requirements	5		10%	
College Requirements	1		2%	
Department Requirements	42		88%	
Summer Training				The student is requested a summer training at the end of the sixth semester
Other				Nothing

* This can include notes whether the course is basic or optional.



Republic of Iraq - Ministry of Higher Education and Scientific Research

University of Mosul

Bachelor's degree in Forensic Evidence (First cycle)

Four years nine semesters) - 240 ECTS credits - 1 ECTS = 25 hr

Program Curriculum (2023 - 2024)

جمهورية العراق - وزارة التعليم العالي والبحث العلمي

جامعة الموصل

بكالوريوس علوم في الأدلة الجنائية (الدورة الأولى)

أربع سنوات (ثمانية فصول دراسية) - 240 وحدة اوروبية - كل وحدة اوروبية = 25 ساعة

المنهاج الدراسي للعام 2023-2024



Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)					Exam hr/sem	SSWL hr/sem	USWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code	
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)								Semn (hr/w)
UGI	One	1	FOR-1101	Forensic Sciences	علوم الأدلة الجنائية	Arabic	2	2				2	3	93	107	200	8.00	C	
		2	FOR-1102	General Biology 1	احياء عام 1	English	2		3				3	108	92	200	8.00	S	
		3	FOR-1103	General Chemistry	كيمياء عام	English	2		3				3	108	92	200	8.00	S	
		4	UOM104	democracy and Human Right	ديمقراطية وحقوق انسان	Arabic	2						3	33	17	50	2.00	B	
		5	Sci101	Mathmatics	رياضيات	English	2						3	33	17	50	2.00	B	
		6	UOM101	Arabic Language	اللغة العربية	Arabic	2						3	33	17	50	2.00	B	
							Total	12	5	6	2	2	2	18	408	342	750	30.00	
UGI	Two	1	FOR-1204	Fuels and fire Acceleration	مواد الوقود ومسرعات الحرائق	English	2	2			2		3	93	82	175	7.00	C	
		2	FOR-1205	Legal regulation of the criminal expert	التنظيم القانوني للخبير الجنائي	Arabic	2	2				2	3	93	57	150	6.00	C	
		3	FOR-1206	Organic chemistry	كيمياء عضوية	English	2		3				3	78	72	150	6.00	B	

		4	FOR-1207	General Biology 2	احياء عام 2	Engli sh	2		3				3	78	72	150	6.00	S		
		5	UOM102	English Language	اللغة الانكليزية	Engli sh	2						3	33	17	50	2.00	B		
		6	UOM103	Computer	مبادئ علم الحاسوب	Engli sh	2		2				3	63	12	75	3.00	B		
						Total	12	4	8	0	2	2	18	438	312	750	30.00			
Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code	
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
UGI I	Three	1	FOR-2308	Biochemstery	الكيمياء الحياتية	Engli sh	2		3		1		3	93	57	150	6.00	B		
		2	FOR-2309	Genetics	الوراثة	Engli sh	2		3		1		3	93	57	150	6.00	B		
		3	FOR-23010	Anatomy and physiology	التشريح والفسلجة	Engli sh	2		3				3	78	72	150	6.00	C		
		4	FOR-23011	Secretions and vital fluids	الافرازات والسوائل الحيوية	Engli sh	2		3				3	78	72	150	6.00	C		
		5	FOR-23012	Statistics and forensic applications	علم الاحصاء والتطبيقات الجنائية	Engli sh	2				2		3	63	37	100	4.00	C		
		6	UMO201	Crimes of the defunct Baath Party	جرائم حزب البعث البائد	arabi c	2						3	33	17	50	2.00	B		
							Total	12	0	12	0	5	1	18	438	312	750	30.00		
		Four	1	FOR-24013	Molecular Biology	الاحياء الجزيئي	Engli sh	2		3				3	78	47	125	5.00	B	
	2		FOR-24014	Analytical Chemistry	الكيمياء التحليلية	Engli sh	2		3				3	78	47	125	5.00	S		
	3		FOR-24015	Laboratory equipment and techniques	اجهزة وتقنيات مختبرية	Engli sh	2		3				3	78	47	125	5.00	S		
	4		FOR-24016	Forensic computer applications	تطبيقات الحاسوب الجنائية	Arab ic	2		3				3	78	47	125	5.00	C		

	5	FOR-24017	Investigation and criminal investigation	التحقيق والبحث الجنائي	Arabic	2					2	3	63	62	125	5.00	c	
	6	FOR-24018	Illustrated criminal report	التقرير الجنائي المصور	Arabic	2					2	3	63	62	125	5.00	c	
						Total	12	0	12	0	0	4	18	438	312	750	30.00	

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGI II	Five	1	FOR-35019	Molecular application	التطبيقات الجزيئية	English	2		3				3	78	72	150	6.00	c	
		2	FOR-35020	Analytical Chemistry	التحليل الالي	English	2		3				3	78	72	150	6.00	c	
		3	FOR-35021	Chemical and microscopic detection methods	طرق الكشف الكيميائي والمجهري	English	2		3				3	78	72	150	6.00	c	
		4	FOR-35022	Forensic chemistry	الكيمياء الجنائية	English	2		3				3	78	47	125	5.00	c	
		5	FOR-35023	Introduction to explosive materials and booby traps	مقدمة في المواد المتفجرة والكمائن الخداعية	Arabic	2				2		3	63	62	125	5.00	B	
		6	FOR-35024	English language	لغة انكليزية 2	English	2						3	33	17	50	2.00	S	
							total	12	0	12	0	2	0	18	408	342	750	30	
Six	Six	1	FOR-36025	Introduction to toxins and drugs	مقدمة في السموم والمخدرات	English	2		3				3	78	47	125	5.00	c	
		2	FOR-36026	The effects of criminal evidence	اثر الادلة الجنائية	Arabic	2	2				1	3	78	47	125	5.00	c	

	3	FOR-36027	Criminal insects	الحشرات الجنائية	English	2		3				3	78	47	125	5.00	c		
	4	FOR-36028	Genetic statistical analysis and databases	التحليل الاحصائي الوراثي وقواعد البيانات	English	2				2		3	63	62	125	5.00	c		
	5	FOR-36029	Inks and dyes and their warnings	الاحبار والاصباغ ومحاذيرها	Arabic	2				2	1	3	78	47	125	5.00	c		
	6	FOR-36030	tissue , haier and fibers scince	انسجة وشعر واللياف	English	2	2					3	63	62	125	5.00	c		
						Total	12	4	6	2	2	2	18	438	312	750	30.00		
Summer Semester	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGI V	Seven	1	FOR-47031	enviromental toxins and distrial pollution	السموم البيئية والتلوث الصناعي	English	2		3				3	78	47	125	5.00	c	
		2	FOR-47032	identify difintion tools	ادوات تعريف الهوية	Arabic	2		3				3	78	47	125	5.00	c	
		3	FOR-47033	bioinformatics	المعلومات الحيوية	English	2		3				3	78	47	125	5.00	c	
		4	FOR-47034	Basics of fingerprint analysis and fonts	اساسيات تحليل بصمة الاصابع والخطوط	Arabic	2		3				3	78	47	125	5.00	c	
		5	FOR-47035	Job ethics	اخلاقيات مهنة	Arabic	2	2					3	63	62	125	5.00	s	
		6	FOR-47036	Crime scince	مشرح جريمة	Arabic	2	2					3	63	62	125	5.00	c	
							Total	10	0	12	0	0	0	15	375	250	750	30.00	

Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
						CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Sem (hr/w)							
Eight	1	FOR-48037	Principles of Medical jurisprudence	مبادئ الطب الشرعي	Arabic	2		3				3	78	72	150	6.00	c	
	2	FOR-48038	Identity Definition Tool and Fingerprints	مقارنة الخطوط والتوقيعات	Arabic	2		3		1		3	93	57	150	6.00	c	
	3	FOR-48039	Principles of Islamic Criminal Legislation	مبادئ التشريع الإسلامي	Arabic	2					2	3	63	87	150	6.00	c	
	4	FOR-48040	Cybercrime	الجريمة الالكترونية	Arabic	2					1	3	48	77	125	5.00	c	
	5	FOR-48041	Preventive policy and crime prevention	السياسة الوقائية ومنع الجريمة	Arabic	2					1	3	48	77	125	5.00	c	
	6	FOR-48042	Graduation project	مشروع بحث تخرج	English	2		3				3	78	62	50	2.00	c	
						Total	12	0	9	0	1	4	18	408	432	750	30.0	
					Total	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	Must be 240 ECTS	

Note: The student should complete 4 weeks of Summer Internships to fulfil the requirements of the Bachelor's degree

Structured SWL (hr/w) type	CL	Class Lecture	Module type	B	Basic learning activities	SWL:	Student Workload
	Lab	Laboratory		C	Core learning activity	SSWL:	Structured SWL
	Pr	Practical Training		S	Support or related learning activity	USSWL:	Unstructured SWL
	Tut	Tutorial		E	Elective learning activity		
	Lect	Online lecture					
	Sem	Seminar					
Note: Columns O, Q and R are programmed, protected and should not be edited							



8. Expected learning outcomes of the program

Knowledge

Learning outcomes 1

- To possess extensive, detailed and accurate information about the medical, security and health fields
- To have extensive knowledge of the concepts and laws related to criminal evidence
- To be able to analysis, distinguish and accurately diagnose in the areas of crime, forgery, poisons and drugs

Skills

Learning Outcomes 2

- Enables the student to do the teaching
- Enables the student to work in security and health institutions

Learning Outcomes 3

Enables the student to work in research institutions

Ethics

Learning Outcomes 4

Ability to work in a multidisciplinary team

Learning Outcomes 5

Ability to communicate constructively

9. Teaching and Learning Strategies

Teaching and learning strategies and methods adopted in the implementation of the program in general.

10. Evaluation methods

Exams, assignments, daily assignments, discussions, laboratory reports and finally a graduation project

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Permanent staff	Lecturer
Professor (1)	Biology	Genetic			1	
Assistant Professor (3)	Biology	bacteriology			1	
	Biology	Biochemistry				1
	Arabic Language					1
Lecturer (7)	chemistry	Inorganic			1	
		Organic			1	2
	Biology				1	
	computer				1	1
Assistant lecturer (8)	Biology	Genetic			4	1
	Chemistry	Organic			1	2

Professional Development

Mentoring new faculty members

Briefly describes the process used to orient new, visiting, full-time, and part-time faculty at the institution and department levels

New faculty members are guided by participating in specialized courses concerned with faculty member development in educational institutions, which are organized by the Department and Division of Continuing Education

The orientation program covers the following topics:

- The role of faculty members in the educational process
- Evaluation and measurement
- Research
- Professional development
- Ethics and integrity

The orientation program is a valuable resource for new faculty, providing them with the information and support they need to succeed in their new roles.

Professional development of faculty members

Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

The college implements an academic and professional development plan for faculty members through participation in courses, workshops, and seminars held at the college, university, and ministry, which aim to develop

- Teaching skills
- Scientific research skills
- Technical skills

The College believes that professional development is necessary for faculty members to keep pace with developments in their field and provide the best possible education to the student.

The college provides a variety of professional development opportunities

12. Acceptance Criterion

Establishing regulations related to admission to the college or institute, whether central admission or others mentioned

- 1- Central admission**
- 2- Accepting students who graduate from the biological and applied branches**
- 3- Personal interview for students**
- 4- Age exclusion in admission to evening studies**
- 5- Accepting students through parallel education**
- 6- The capacity of college departments**

13. The most important sources of information about the program

- The central library at the university and the college library
- Information network (Internet)
- Experiences of Arab and international universities
- Current curriculum
- Ministry of Higher Education and Scientific Research – University – College – Department

14. Program Development Plan

- Participation of students in their orientations through continuous review of curriculum items through questionnaires and meetings
- Involving students in the relevant committees
- Participation in specialized scientific conferences
- Follow specialized international books and periodicals
- A plan was developed to activate field visits and cooperation and respond to the need of the local private market to improve scientific reality
- Increase activities that develop personal knowledge through seminars, conferences and seminars to develop scientific and personal development

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
First year / one	FOR-1101	Forensic evidence Science	Basic	√	√	√	√	√	√	√	√	√	√	√	
First year / one	FOR-1102	General Biology	Basic	√	√	√	√	√	√	√	√	√	√	√	
First year / one	FOR-1103	General Chemistry	Basic	√	√	√	√	√	√	√	√	√	√	√	
First year / one	UOM104	Democracy and human Right	Basic	√	√	√	√	√	√	√	√	√	√	√	
First year / one	Sci101	Mathematic	Basic	√	√	√	√	√	√	√	√	√	√	√	
First year / one	UOM101	Arabic Language	Basic	√	√	√	√	√	√	√	√	√	√	√	
First year / two	FOR-1204	Fuels and fire Acceleration	Basic	√	√	√	√	√	√	√	√	√	√	√	
First year / two	FOR-1205	Legal regulation of the	Basic	√	√	√	√	√	√	√	√	√	√	√	

		criminal exper													
First year / two	FOR-1216	Organic chemistry	Basic	√	√	√	√	√	√	√	√	√	√	√	√
First year / two	FOR-1217	General Biology 2	Basic	√	√	√	√	√	√	√	√	√	√	√	√
First year / two	UOM102	English Language	Basic	√	√	√	√	√	√	√	√	√	√	√	√
First year / two	UOM103	Computer	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Three	FOR-2308	Biochemistr y	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Three	FOR-2309	Genetics	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Three	FOR-23010	Anatomy and physiology	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Three	FOR-23011	Secretion and vital fluids	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Three	FOR-23012	Statistics and Forensic application	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Three	UOM201	Crimes of defunct Baath Party	Basic	√	√	√	√	√	√	√	√	√	√	√	√

Second year / four	FOR-24013	Molecular Biology	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Four	FOR-24014	Analytical Chemistry	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Four	FOR-24015	Laboratory equipment and techniques	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Four	FOR-24016	Forensic computer applications	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Four	FOR-24017	Investigation and criminal investigation	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second year / Four	FOR-24018	Illustrated criminal report	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Five	FOR-35019	Molecular application	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Five	FOR-35020	Analytical Chemistry	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Five	FOR-35021	Chemical and microscopic detection methods	Basic	√	√	√	√	√	√	√	√	√	√	√	√

Third year / Five	FOR-35022	Forensic chemistry	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Five	FOR-35023	Introduction to explosive materials and booby	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Five	FOR-35024	English language	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Six	FOR-36025	Introduction to toxins and drugs	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Six	FOR-36026	The effects of criminal evidence	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Six	FOR-36027	Criminal insects	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Six	FOR-36028	Genetic statistical analysis and databases	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Six	FOR-36029	Inks and dyes and their warnings	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Third year / Six	FOR-36030	tissue , hair and fibers science	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / seven	FOR-47031	enviromental toxins and	Basic	√	√	√	√	√	√	√	√	√	√	√	√

		distrial pollution													
Fourth year / seven	FOR-47032	identify difinition tools	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / seven	FOR-47033	bioinformati cs	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / seven	FOR-47034	Basics of fingerprint analysis and fonts	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / seven	FOR-47035	Job ethics	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / seven	FOR-47036	Crime scene	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / eight	FOR-48037	Principles of Medical jurispruden ce	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / eight	FOR-48038	Identity Definition Tool and Fingerprints	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / eight	FOR-48039	Principles of Islamic Criminal Legislation	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / eight	FOR-48040	Cybercrime	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth year / eight	FOR-48041	Preventive policy and	Basic	√	√	√	√	√	√	√	√	√	√	√	√

		crime prevention													
Fourth year / eight	FOR-48042	Graduation project	Basic	√	√	√	√	√	√	√	√	√	√	√	√

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.