

Academic Program Description Form

University Name: Middle Technical University.

Faculty / Institute: Institute of Medical Technology – Al-Mansour.

Scientific Department: criminal and forensic techniques

Academic or Professional Program Name: Diploma in criminal and forensic techniques

Final Certificate Name: Diploma in criminal and forensic techniques

Academic System: course

Description Preparation Date: 2024/3/20

File Completion Date: 2024/3/20

Signature:	Signature:
Head of Department Name: Batool Abdul-Jabbar Husain	Scientific Associate Name: Abdul Qader Rumaid
Date: 20--3-2024	Date: 20-3-2024

The file is checked by:

Department of Quality Assurance and University Performance:

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

1. Program Vision

2. Program Mission
This academic program description provides a necessary summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, demonstrating whether he or she has made the most of the available opportunities. It is accompanied by a description of each course within the program

3. Program Objectives
Preparing qualified technical staff to work in the areas of forensic evidence collection and examination in specialized technical laboratories located in government institutions, including the Ministry of Health and the Ministry of Interior, in addition to the possibility of working in private sector institutions in

this field.

Academic Program Description Form

University Name: Middle Technical University.

Faculty / Institute: Institute of Medical Technology – Al-Mansour.

Scientific Department: health Administration techniques

Academic or Professional Program Name:

Final Certificate Name:

Academic System:

Description Preparation Date:

File Completion Date:

Signature:	Signature:
Head of Department Name: Batool Abdul-Jabbar Husain	Scientific Associate Name: Abdul Qader Rumaid
Date: 2-5-2024	Date: 2-5-2024

The file is checked by:

Department of Quality Assurance and University Performance:

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Approval of the dear

4. Program Accreditation
Ministry of Higher Education and Scientific Research / Scientific Supervision and Evaluation Authority

5. Program external influences
Scientific field visits to institutions specialized in the field of collecting and examining forensic evidence, including (the Forensic Medicine Department / the Ministry of Health / the Forensic Evidence Department / the Ministry of the Interior and the International Criminal Police Organization (Interpol))

6. Program Structure				
Program Structure	Number of Courses	Credit hours	percentage	Reviews*
Institution Requirements				
College Requirements				
Department Requirements				
Summer Training				
Other				

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

7. Program Description				
Year /Level	Course Code	Course Name	Credit Hours	
			Theoretical	Practical
second course		Weapons and equipment	2hr.	4hr.

8. Expected Learning Outcomes of the Program	
Knowledge	
Learning Outcomes 1	Learning Outcomes Statement 1
Skills	
Learning Outcomes 2	Learning Outcomes Statement 2
Learning Outcomes 3	Learning Outcomes Statement 3
Ethics	
Learning Outcomes 4	Learning Outcomes Statement 4
Learning Outcomes 5	Learning Outcomes Statement 5

9. Teaching and Learning Strategies
Blended learning (traditional) and e-learning by (power point) and according to the following applications . . Class room- . google meet -

10. Evaluation Methods
1- Daily assessment, theoretical and practical tests in the laboratory.
2-- Semester and daily assessment (term and daily exams)

11. Faculty					
Faculty Members					
Academic Rank	Specialization		Special Requirements / Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer

Prof.					staff	
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Professional Development
Mentoring new faculty members
Professional Development of faculty members
Attending scientific courses, seminars and workshops

12.Acceptance Criterion
- Central admission / scientific - GPA + student's interest in the scientific department

13.The most important sources of information about the program
1- Vocabulary determined by the Deans' Committee in the scientific specialty 2- Teaching lectures from scientific sources and the Internet

14.Program Development plan

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
The Second		Ammonisation and weapons	Basic			X				X				X	

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

Course Description Form

1. Course Name: Ammonisation and weapons	
2. Course Code:	
3. Semester / Year: Second year / course	
4. Description Preparation Date: 20-3-2024	
5. Available Attendance Forms: Attendance in practical lecture laboratories and in theoretical lecture halls + virtual attendance in electronic classes	
6. Number of Credit Hours (Total) / Number of Units (Total) 1 hour theoretical and (2) practical hours.	
7. Course administrators name (Ahmed Mohamed Tariq)	
Name: Ahmed Mohamed Tariq Email:	
8. Course Objectives:	
Course Objectives	Introducing the student to weapons and equipment and everything related to them.
9. Teaching and Learning Strategies	

Strategy	Daily exams - Presentation of slides and PowerPoint presentations of the latest scientific findings
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10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2+4	A historical overview of weapons and how they developed,	technical conditions for firearms, and conditions for the validity of firearms.	a lecture+ power point	Discussion
2	2+4	Types of firearms, military weapons,	military rifles, types of rifles, rifle sections.	a lecture+ power point	Oral self-tests And discussion
3	2+4	The spiral, the benefits of the spiral, the shape and direction of the spiral,	dams and grooves, the method of determining the direction of the spiral.	Lecture, presentation, power point, practical training in the laboratory	Discussion
4	2+4	Automatic weapons, rifles and machine guns, machine gun operation,	types of machine gun throwing, pistol, cylinder pistol, and comb pistol.	Lecture, presentation, power point, practical training in the laboratory	Oral self-tests And discussion
5	2+4	Hunting rifles, types of hunting	Hunting rifles, types of hunting	Lecture, presentation, power point,	Oral self-tests And discussion

		rifles, hunting rifle cartridges.	rifles, hunting rifle cartridges.	practical training in the laboratory	
6	2+4	Military weapons cartridges, cartridge sections, bullet sections,	the effect of the bullet on the human body.	Lecture, presentation, power point, practical training in the laboratory	Written pre-test, oral self-tests and discussion
7	2+4	Gunpowder, types of gunpowder,	technical conditions for the cartridge.	Lecture, presentation, power point, practical training in the laboratory	Written pre-test, oral self-tests and discussion
8	2+4	Searching for the criminal firearm, places to find the discarded bullet after it was fired,	the investigator's procedures when finding a firearm.	Lecture, presentation, power, practical training for first aid for burns, point	Oral and written examination and discussion
9	2+4	Traces on the firearm, method of removing and treating traces on the firearm.	Traces on the firearm, method of removing and treating traces on the firearm.	Lecture, presentation, power, practical training for first aid for burns, point	Oral and written examination and discussion
10	2+4	The effects that occur on the cartridge during its firing (internal and external).	The effects that occur on the cartridge during its firing (internal and external).	Lecture, presentation, power, practical training for first aid for burns, point	Oral and written examination and discussion

1. Course Evaluation

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2. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Educational bag
Main references (sources)	Pan, J., Wei, W., Wang, R., Huang, R., Zhang, C., & Cui, Y. (2021). An Ammonization-Based Transformation of Hexagonal Boron Nitride on Ir (111) from Surface to Near-Surface Regions. <i>The Journal of Physical Chemistry C</i> , 125(43), 23929-23936.
Recommended books and references (scientific journals, reports....)	Wang, C., Xu, F., Baker, R. C., Pinjari, A., Bruckers, L., Zhao, Y., ... & Zhang, G. (2021). Fungi carried over in jute bags—a smoking gun for aflatoxin contamination in the food supply chain. <i>World Mycotoxin Journal</i> , 14(2), 155-163.
Electronic References, Websites	websites