

**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

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: Al-Furat Al-Awsat Technical University

Faculty/Institute: Polytechnic collage /Al-Qadisiyah.

Scientific Department: Criminal Evidences Techniques

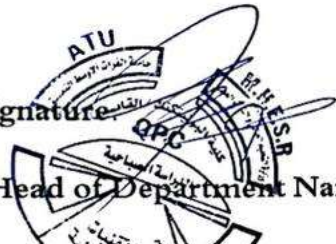
Academic or Professional Program Name: Technical diploma equivalent to criminal

Final Certificate Name: Technical diploma equivalent to criminal

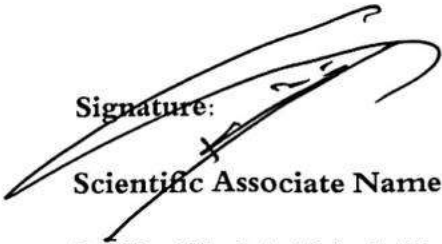
Academic System: Courses

Description Preparation Date: 2026/6/15

File Completion Date: 2026/6/15

Signature: 
Head of Department Name
Assist Prof.Dr. Haider Naji Taher

Date: 2026/6/28

Signature: 

Scientific Associate Name:

Prof.Dr. Khudair Majeed Allawi

Date: 2026/6/28

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Assist lecturer. Adnan Hameed Abbas

Date:

Signature: 

Approval of the Dean

Prof.Dr . Zaki Mohammed Abbas

1. Program Vision

Preparing highly experienced specialized technicians in the aspects of investigation and inquiry into crimes by seizing and preserving fingerprints, and collecting and analyzing evidence in a way that identifies the mechanisms for reaching the perpetrators and how they committed crimes according to solid technical structures.

2. Program Mission

Preserving evidence and traces obtained at the crime scene, taking all samples from the site, documenting this evidence, and determining how to deal with specialized equipment and means in a way that supports the competent investigative and judicial authorities in reaching the details of the crime and the threads to reach the perpetrators.

3. Program Objectives

First: Specialized objectives of the department

The Department of Forensic Evidence Techniques aims to prepare and qualify technical energies and cadres who practice specialized work in collecting, observing and analyzing evidence at the crime scene, by teaching the student the following:

- 1- Skills to identify the crime scene and everything related to the effects resulting from it and knowing the method of criminal registration of incidents.
- 2- The ability to use the necessary tools to document the facts of crimes.
- 3- The ability and skill to take the fingerprints of the accused and everything related to the crime scene and all traces of the perpetrator from fingerprints and palms and preserve them and place them under examination in specialized laboratories.
- 4- Knowledge of the basics of the Penal Code in its general and special sections and the Code of Criminal Procedure and study the principles of criminology and penology.

5– Standing on the skills of chemistry sciences such as preparing solutions and concentrations and analyzing the color and volume of the substance.

6– Mastering the use of devices and equipment related to detecting and controlling the crime.

7– Identifying the anatomical tissue and types of cells specific to the human body.

Second: General objectives of opening the department

1– The actual need to establish the scientific department

The general need to establish a forensic evidence technology department in Diwaniyah Governorate is confirmed due to the great desire among its people and promising energies among them, through the Technical Institute/Diwaniyah with its aforementioned department, the institutions affiliated with the Ministries of Interior and Health are provided with specialized cadres, providing qualitative government efforts in this field.

2– The need of the two government sectors in the governorate

Field monitoring of the relevant institutions from the Health Directorate and the Police Directorate in Diwaniyah Governorate, we find that the relevant departments are in dire need of individuals specialized in the technical field and the intermediate cadre in order to collect and preserve forensic evidence, considering that technical performance in this is a basic and primary factor in the efforts made by the judicial institutions to uncover the perpetrator of the crime and the extent of his criminal danger.

4. Program Accreditation

Both

5. Other external influences

- Legal and legislative changes.
- Scientific and technological developments.
- Society.
- Labor market needs, especially security institutions that need specialized technical staff in forensic evidence.

6. Program Structure				
Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	8	18	%12.9	
College Requirements	4	11	%7.72	
Department Requirements	35	110	%79.13	
Summer Training	270	-		Summer training hours
Other				

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

1. Program Description				
Credit hours		Course name	Course code	Year/Level
practical	theoretical			First year first semester
-	3	General Penal Code		
2	2	of Psychology Principles		
-	3	Criminology		
3	1	forensic photography		
3	2	(Life Sciences (1		
3	2	Hardware Technologies		
2	1	Computer Applications (1)		
-	2	human rights		
-	2	Arabic		
	2	English language		

**First year
second semester**

4	2	Criminal investigation		
2	1	First aid		
3	2	(Life Sciences (2		
3	2	Chemistry		
3	2	(crime scene (1		

**Second year
first semester**

4	2	Weapons and equipment		
4	1	Explosives and fires		
3	2	(Crime Scene (2		
3	2	Criminal Procedure Principles		
4	2	Forensic medicine		
3	2	organized crime		
2	1	Computer Applications (2)		
-	2	Research project		

**Second year
Second semester**

4	2	Fingerprints and prints		
4	2	Toxins and Drugs		
4	2	Forgery and counterfeiting		
4	1	Traffic accidents		
3	1	Report writing		
4	1	Defensive skills		
-	2	Professional conduct		
-	2	Research project		

2. Expected learning outcomes of the program

Knowledge

1. Providing the student with an understanding of the theories related to forensic science.
2. Getting to know the Iraqi criminal laws such as the Iraqi Penal Code and the Criminal Procedure Code.
3. Introducing the student to the devices and tools used in examining crime evidence and the crime scene.
4. Providing the student with an understanding of the investigation rules that must be followed with the accused.

Skills

1. Acquiring behavioral skills that enable the student to deal with the perpetrators in a way that enables him to reach the truth in a professional manner.
2. Acquiring the student with the sufficient skill to conduct criminal investigations with the accused.
3. Acquiring the student with the technical skills that enable him to use the technical devices used in analyzing evidence correctly.
4. The ability to deal with the crime scene in a professional manner in terms of identification, encirclement and photography.

Ethics

1. Commitment to professional ethics in the field of work.
2. Observance of honesty, integrity and human rights in dealing with evidence and the accused.

3. Teaching and Learning Strategies

Teaching and learning strategies and methods adopted in implementing the program in general.

1– Active learning strategy through questions, discussions, brainstorming, problem solving, learning by evidence and other methods.

2– Simulation by replaying real situations through presentations, visuals and films to enable students to benefit scientifically from the incident.

3– Training and practice, especially on the technical devices used in uncovering and proving evidence.

4– Practical projects and practical research for their role in exploring the depth of this science and enlightening students with knowledge and skills.

5– Civil visits to institutions related to work such as courts, police stations and forensic medicine.

4. Evaluation methods

1– Theoretical evaluation, through the use of different methods to evaluate students, the most prominent of which are:

- Multiple-choice tests.
- Written articles and reports.

2– Practical evaluation, through representing a criminal incident in detail and guiding students in practicing the knowledge and skills learned in this incident.

5. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
1. Asst. Dr. Haider Naji Taher	Law	Public Law			Staff	
2. Asst. Dr. Arej Ghazi Abdul Shahid	Mechatronics	Mechatronics			Staff	
3. Asst. Israa Abdul Jalil Hassan	Mathematics	Contractual Analysis			Staff	
4. Asst. Dr. Riyam Abbas Ali	Law	Private Law			Staff	
5. Asst. Arej Fadel Kashash	Psychology	Criminal Psychology			Staff	
6. Asst. Aqeel Obaida Hamzah	Law	Private Law			Staff	
7. Asst. Mohammed Ghatar Dayekh	Law	Public Law			Staff	
8. Asst. Hoda Nour Hassan	Life Sciences	Life Sciences			Staff	
9. Asst. Hassanein Ali Hadi	Law	Private Law			Staff	
10. Asst. Humam Hatem Karim	Law	Public Law			Staff	
11. Asst. Ali Majeed Khalil	Law	Public Law			Staff	
12. Asst. Nour Qasim Hussein Hamzah	Sociology	Sociology			Staff	
13. Asst. Karar Ezzat Hussein Alwan	Chemistry	Biochemistry			Staff	

Professional Development

Mentoring new faculty members

1. Introduction to the Department: A comprehensive introduction to the Department of Forensic Evidence Techniques is provided, by clarifying the objectives of the department and the available areas of specialization. The department also explains the academic programs offered and the available courses.
2. Explain the academic requirements for new, visiting, full-time and part-time faculty members. This includes the academic requirements necessary to teach in the field of forensic techniques.
3. Provide an overview of the curriculum and resources available in the Department of Forensic Evidence Techniques. Then explain the basic books, important references, electronic sources and laboratory tools used in teaching and research.
4. Continuous enrollment in continuing education courses to develop his experience and skills.

Professional development of faculty members

1. Continuous guidance for faculty members to publish scientifically in global fields and participate in local and international conferences.
2. Guiding them to conduct workshops and courses related to the Department of Forensic Evidence Techniques.
3. Working on developing their abilities to give lectures through training and review to deliver knowledge and skills to students in a healthy manner.
4. Guiding them to develop the curriculum in line with the development taking place in the field of their profession.

6. Acceptance Criterion

- Students accepted through the central admission channel for students of the biological branch and within the minimum admission limit

7. The most important sources of information about the program

Scientific methodological books in the field of specialization.

Specialized practical books.

Websites of reputable and recognized international institutes and universities.

<https://moheer.gov.iq/> Iraqi Ministry of Higher Education and Scientific Research website.

<https://atu.edu.iq/> Al-Furat Al Awsat Technical University

8. Program Development Plan

1. Work on analyzing the requirements of the labor market, especially the forensic medicine departments in the Ministry of Health and the forensic evidence department in the Ministry of Interior, and the extent of their need for this specialty, taking into account the global developments in forensic evidence techniques and informing these parties of these developments.
2. Continuous work on developing curricula by directing professors to keep pace with the developments in the curriculum of this department at the national and international levels, especially in light of the development of crime methods and the diversity of their forms.
3. Work on providing all necessary tools such as modern equipment for laboratories available in the department.
4. Work on opening channels of communication and cooperation with the parties benefiting from the department's outputs, such as security services and forensic medicine.

Program Skills Outline															
Required learning outcomes of the program															
Values				Skills				knowledge				Essential or ?optional	Course name	Cou rse code	Year/Level
A4	A3	A2	A1	B4	B3	B2	B1	A4	A3	A2	A1				
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	General Penal Code		First year: First semester
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	Principles of Psychology		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	Criminology		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	forensic photography		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	(ife Sciences (1L		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	rdware Ha Technologies		

✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	help	omputer C (Applications (1		
✓	✓	✓	✓					✓	✓	✓	✓	General	human rights		
✓	✓	✓	✓					✓	✓	✓	✓	essential	glishEn		
															ar: First ye Second semester
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	al Crimin investigation		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	aid First		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	(ciences (2Life S		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	help	tryChemis		

✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	help	(scene (1 crime		
															- :year Second Chapter One
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	Weapons and equipment		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	ives and Explos fires		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	(Scene (2 Crime		
✓	✓	✓	✓					✓	✓	✓	✓	essential	al Crimin Procedure Principles		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	ic Forens medicine		

✓	✓	✓	✓					✓	✓	✓	✓	essential	zed organi crime		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	help	er Comput (Applications (2		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	General	ch Resear project		
✓	✓	✓	✓					✓	✓	✓	✓	General	h Party Baat Crimes		

																ond year: Sec Second semester
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	Fingerprints and prints			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	and Toxins Drugs			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	y and Forger counterfeiting			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	c Traffi accidents			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	essential	writing Report			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	General	ive skillsDefens			

✓	✓	✓	✓					✓	✓	✓	✓	help	sional Profes conduct		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	General	ch Resear Project		

Course Description Form

Course name .1	
General Penal Code	
code Course .2	
Year /Chapter .3	
First semester – First year	
prepared description was Date this .4	
15/6/ 2026	
forms Available attendance .5	
.My attendance is in two halls	
(Number of study hours (total) / Number of units (total .6	
3/45	
(if more than one name is mentioned) Name of the course administrator .7	
:Email A -Name: Asst.Dr. Haidar Naji Taher AlHaidr.taher@atu.edu.iq	
objectives Course .8	
• .Introducing the student to the importance and role of the Penal Code • Understand the general principles in defining the concept of crime a .punishment • and criminal liability of the crime Description	Subject objectives
Teaching and learning strategies .9	
encourage active .Use group discussions, small discussions, and interactive activities – .participation and exchange of ideas among students .can be used to teach students Case Study and Analysis: Criminal case studies – d research projects: Students can be encouraged to participate in discussions Discussions – Group on specific topics –	Strategy

Course structure					.10
Evaluation method	method Learning	Name of the unit or topic	Required learning outcomes	W atc he s	The week
.choice tests–Use multiple .reports Written articles and	with pictures Active learning strategy Available simulations and practical visits	General principles of .criminal law	unde rstand the rules General Law Penalties	3	the first
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Legality of crime and punishment, principle of criminal .legality	Know what is meant By the legality of crimes And legitimacy	3	the second
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Application of the Penal Code, time, place and persons	Know the scope Spatial Temporal punishments	3	the third
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Reasons for permission	Explai ning the most important reasons Permission	3	Fourth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	criminal contribution	Know what is meant By criminal	3	Fifth

			contribution		
.tests choice–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	The criminal and criminal responsibilit .y	Unders tand what is mean By the criminal And responsibility	3	Sixth
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Barriers to criminal .liability	knowledge and understanding With obstacles Responsibility .Criminal	3	Seventh
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Criminal .penalties	Know the penaltie criminal s tipulated On it	3	The eig
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Precautionar .y measures	Underst anding the measur Precautionary	3	Ninth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Legal .excuses	knowledge and understanding With excuses Legal	3	tenth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Aggravating circumstanc	knowledge and understanding By circumstances	3	atheisti

		.es	The stressed		ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Mitigating circumstances and punishment .sites	knowledge and understanding By circumstances The lightened	3	the second ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Judicial circumstances .es	knowledge and understanding By circumstances Judicial	3	the third ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Fall of .crimes	cases Know the which falls with it Crimes	3	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Fall Penalties	Know the cases which falls with it Penalties	3	Fifth ten

Course Evaluation .11

student, such as daily preparation, The grade is distributed out of 100 according to the tasks assigned to the .daily, oral, monthly and written exams, reports, etc

Learning and teaching resources .12

Shawi, Ali Hussein Khalaf, General Penal Code, -Sultan Baghdad Library, 2007	Required textbooks (methodology (any
--	--------------------------------------

.General Penal Code No. 111 of 1969	(References (Sources Main
, Shawi, Ali Hussein Khalaf, General Penal Code-Sultan .Baghdad Library, 2007	Recommended supporting books and references scientific journals, reports,) (.etc
Iraqi Virtual Library	Electronic references, websites

Course name .1	
Principles of Psychology	
code Course .2	
Year /Chapter .3	
First semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
My attendance is in two halls	
(Number of study hours (total) / Number of units (total) .6	
4/60	
(if more than one name is mentioned) Name of the course administrator .7	
: Email Name: M.M. Arej Fadel Kashash ahmegdb778@gmail.com :Email A Name: M.M. Noor Qasim Hussein Al noor.hussain.idi11@atu.edu.iq	
objectives Course .8	
ntroducing the student to the motives behind an individual's behaviour and .that influence his personality in terms of its balance factors Or its difference	Subject objectives
Teaching and learning strategies .9	
earning : involves the use of group discussions, small discussions, and Interactive .interactive activities .participation and exchange of ideas among students To encourage active .Case Study and Analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - .discussions Group on specific topics	Strategy

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available and practical visits	Definition of psychology Subject of psychology, objectives of psychology	Definition of psychology	4	the first
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available and practical visits	Motives for behavior Definition of motivation, classification of motivations	Know the most important Motives Behavioral	4	the second
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available and practical visits	Innate motivations Definition of innate motivation, classification of innate motivation	Understanding Motivations Innate	4	the third
choice tests–multiple Use Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Acquired motivations Definition of acquired motivation, classification of acquired motivation, unconscious motivation	Knowing the motives clothed The And its classification	4	Four th

choice tests–Use multiple Written articles and reports	with pictures Active learning strategy practical visits Available simulations and	Emotions: Definition of emotion, causes of emotion, aspects of emotion	knowledge Emotions And its causes	4	The Kha Miss
choice tests–Use multiple Written articles and reports	pictures with Active learning strategy Available simulations and practical vi	Emotions and motivations, emotions and mood, development of emotions	Knowing the motives Emotions and understand th mood	4	Sixth
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical vi	The effect of emotions on mental processes and behavior Emotional shocks and psychological disorders	Know the effect Emotions	4	Seven
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical vi	Personality: Definition of personality, personality traits	knowledge and understanding Personality And its features	4	The eighth
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical vi	Personality styles, character	knowledge and understanding Character styles And the ruling on	4	Ninth

		.judgment			
.tests choice–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vi	Personality development and its formation factors. The meaning of development, the interaction between heredity and environment, personality and endocrine .glands	How to grow Character And it develops	4	tenth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vi	The effect of geographical factors on personality, the effect of social factors on .personality	Understanding the impact of factors On character	4	atheist ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vi	Psychological crises, headaches, frustration, defense	Impact of crises And headache on The Solk	4	the second ten

		.mechanisms			
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	The function of defensive tricks and their ,characteristics the right ways to solve psychological .crises	Job statement Defensive Tricks	4	the thi ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	illness: Mental definition of mental illness, types of mental .illness	Identify diseases Psychological	4	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Causes of mental illness, treatment of mental illness, mental illness and mental illness	knowledge and understanding	4	Fifth ten
					Course Evaluat on
The grade is distributed out of 100 according to the tasks assigned to the student, such as daily .11 .preparation, daily, oral, monthly and written exams, reports, etc					
Learning and teaching resources					

(Required textbooks (methodology if any .12

Zayat, Psychological Theories between Interpretation -Farouk and Prediction, Cairo, 1998

(References (Sources Main

.Habib, Applied Psychology, Alexandria, 2016-Tarek Al

Recommended supporting books and references (scientific journals (.reports, etc

Electronic references, websites

Course name .1	
Criminology	
code Course .2	
Year /Chapter .3	
First semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
My attendance is in two halls	
(Number of study hours (total) / Number of units (total .6	
15/3	
(if more than one name is mentioned) Name of the course administrator .7	
:Email .A Name: M.M. Mohammed Ghatar Dayekh Almohammed.gdaiek.idi7@etu.edu.iq	
objectives Course .8	
ntroducing the student to the causes, motives and resistance of criminal behavior reating it and looking at the crime from a realistic rather than legal perspective, a paying attention to the facts and people	Subject objectives
Teaching and learning strategies .9	
elearning : involves the use of group discussions, small discussions, and interactive activities Interactive To encourage active participation and exchange of ideas among students teach students Case Study and Analysis: Criminal case studies can be used to - and research projects: Students can be encouraged to participate in discussions Discussions -	Strategy

Group on specific topics	
--------------------------	--

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Wa tch es	The week
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	The concept of crime, the criminal and the research .methodology	and understanding For the concept of crime	3	the first
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Theories of explaining criminal .behavior	Knowledge of theor General Interpretatio	3	the seco
choice tests–Use multiple reports Written articles and	with pictures Active learning strategy Available simulations and practical visits	Formation .schools	Statement of th e most importa nt schools Formative	3	the third
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Psychological .schools	Identify schools Psychological	3	Fourth

choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Social .schools	Understanding schools Social	3	Fifth
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Factors of criminal .behavior	to set Behavioral factors The criminal	3	Sixth
choice tests–Use multiple Written articles and reports	pictures with Active learning strategy Available simulations and practical visits	External .causes	Know the reasons Permission	3	Seventh
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy visits Available simulations and practical	Internal .causes	understand the reasons Interior	3	The eighth
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Categories of .criminals	Identify and know Categories Criminals	3	Ninth
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Modern criminal .patterns	knowledge understanding	3	tenth

choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Environmental pollution .crimes	knowledge understanding	3	atheistic ten
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Computer .crimes	Understanding Crim Computer	3	the seco ten
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Money laundering .crimes	Definition of crimes Money laundering	3	the third ten
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Terrorist .crimes	Definition of crimes Terrorist	3	Fourth ten
choice tests–Use multiple Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Organized .crime	Definition of crimes on and Or statement Its forms	3	Fifth ten

Course
Calendar

daily The grade is distributed out of 100 according to the tasks assigned to the student, such as .11
.preparation, daily, oral, monthly and written exams, reports, etc

Learning and teaching resources

(Required textbooks (methodology if any) .12	
Ashmawy, Criminology and Criminal Investigation, Cairo, -Abdel Rahman .1999	(Main References (Sources
.Omari, Criminology, Investigation and Criminal Justice, Cairo, 1988-Saleh	Recommended supporting books and references (scientific journals, reports, etc
Iraqi Virtual Library	Electronic references, websites
Course name .1	
forensic photography	
code Course .2	
Year /Chapter .3	
First semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
.My attendance is in two halls	
(Number of study hours (total) / Number of units (total) .6	
4/60	
(if more than one name is mentioned) Name of the course administrator .7	
Name: Alaa Salman Kazem : email Myalaasalman1y@gmail.com Name: Sarah Karim Hashem : email Mysarahkareem2y@gmail.com	
objectives Course .8	
able to use the camera and equipment for forensic photography	The student will Subject objectives

.And photographing the fine details of the crime scene					
Teaching and learning strategies .9					
learning : involves the use of group discussions, small discussions, and Interactive .interactive activities .To encourage active participation and exchange of ideas among students .Case Study and Analysis: Criminal case studies can be used to teach students - n and research projects: Students can be encouraged to participate i Discussions - .discussions Group on specific topics					Strategy
Course structure .10					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Explaining forensic how photography or forensic photographer .works	Know how Photography Criminal and work Photographer	4	the first
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Explanation of the work of the photographic camera and .its parts	Understanding can operation Photography	4	the second
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Explanation of how the camera	knowledge and understanding work Camera	4	the third

		works with the flash and the camera .parts			
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Explaining how the camera works for professionals, from adjusting the aperture to .the speed	Understanding Photography Professional	4	Fourth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy practical visits Available simulations and	Explaining the process of filming, winding the film, and ensuring the camera is in good .condition	How to wrap film And validity Camera	4	Fifth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy simulations and practical visits Available	Types of films, their sensitivity and how to maintain .them	Types explanation Movies and how to Maintain it	4	Sixth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy and practical visits Available simulations	Developing color and regular films	Learn to develop Movies of all kinds Its types	4	Seventh

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy practical visits Available simulations and	Types of developing solutions black and) (white	Know the types Acidifying solutions	4	The eighth
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	How to photograph an event .location	photography knowledge crime scene	4	Ninth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	How to photograph explosions .and fires	scoop photography Accidents	4	tenth
.choice tests–Use multiple .reports Written articles and	with pictures Active learning strategy Available simulations and practical visits	How to photograph crime .scenes	photography knowledge Crime effects	4	atheistic ten
.choice tests–Use multiple .and reports Written articles	with pictures Active learning strategy Available simulations and practical visits	How to photograph bloody finger .prints	Understanding knowledge How to shoot fingerprints	4	the second ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	How to photograph forged criminal	Know how filming Documents	4	the third ten

		.documents			
.choice tests–Use multiple .reports Written articles and	with pictures Active learning strategy Available simulations and practical visits	How to photograph empty weapons and .cases	Knowing how photograph Weapons and empty envelope	4	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	regular films	Know how to print Regular movies	4	Fifth ten
					Course Evaluat n
The grade is distributed out of 100 according to the tasks assigned to the student, such as daily .11 .preparation, daily, oral, monthly and written exams, reports, etc					
Learning and teaching resources					
(Required textbooks (methodology if any .12					
Saeedi, Forensic Photography, Beirut, 2002-Hamad Al			(Sources) Main References		
			Recommended supporting bod and references (scientific journa (.reports, etc		
.1 Iraqi Virtual Library			Electronic references, websites		

course name .1	
1 Life Sciences	
code Course .2	
Year /Chapter .3	
First semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
.My attendance is in two halls	
(Number of study hours (total) / Number of units (total) .6	
5/75	
(more than one name is mentioned if) Name of the course administrator .7	
:Email A Name: M.M. Huda Nour Hassan Alhuda.hassan@atu.edu.iq	
objectives Course .8	
of the cell, its structure, principle basic of the Knowledge division, genetics, in addition to the types and structure selected pathogenic organisms.	Subject objectives
Teaching and learning strategies .9	
learning : involves the use of group discussions, small discussions, and Interactive activities .interactive activities .To encourage active participation and exchange of ideas among students .Case Study and Analysis: Criminal case studies can be used to teach students - n and research projects: Students can be encouraged to participate i Discussions .discussions Group on specific topics	Strategy

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
.choice tests–Use multiple .reports Written articles and	with Active learning strategy pictures Available simulations and practical visits	Introduction to biological safety General lab. safety - Roles - Personal protective equipment - Biological hazard - Type of biological hazards -	Knowledge Introduction to biological safety	5	the first
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures practical Available simulations visits	Cell & cell theory Prokaryotic & Eukaryotic cells, cell structure: cell-wall, cytoplasmic membranes, protoplast.	Knowledge Cell & cell theory Prokaryotic	5	the second
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Cell organs: Nucleus, endoplasmic reticulum, ribosomes, mitochondria, Golgy apparatus vacuoles, lysosome (structure & function).	Knowledge Cell org Nucleus, endoplasmic	5	the third
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	DNA & RNA: structure. functions in eukaryotic cells DNA replication & transcription.	DNA replication	5	
.choice tests–Use multiple .reportsWritten articles and r	with Active learning strategy pictures Available simulations and practical visits	Cell – cycle & mitoses: Interphase & mitotic phase meiosis & sexual life cycle: Gametogenesis sex differentiation, embryogenesis & the first stages.	Knowledge Cell –cycle & mitoses	5	Fourth

.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures simulations and practical Available visits	Biological classification: Animal Kingdom & Plant Kingdom, viruses, bacteria, fungus & Parasites Examples on pathogenic organesems	Knowledge Biological classification	5	Fifth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practi visits	Anatomy of head and neck: A- Anatomy of scalp - B-Anatomy ff muscles - of head and neck C- Cervical vertebrae -	Knowledge Anatomy of head and neak	5	Sixth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practi visits	Bones of skull -A B-Brain. -B C- Anatomy of Chest: Skin of Chest muscels of Chest chest bones and ribs	Knowledge Chest Muscels of Chest c bones and ribs	5	Seventh
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practi visits	Anatomy of -a respiratory system Anatomy of -b Heart Anatomy of -c esophagus	Knowledge Muscels of Chest chest	5	The eighth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practi visits	Anatomy of abdomen: A: skin b: muscles of abdomen c.	Knowledge Anatomy of abdomen	5	Ninth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practi visits	A: anatomy of stomach, duodenum, small and large howel. B: Anatomy of urinary system. C: anatomy of reproductive system.	Knowledge	5	tenth

.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Anatomy of back A: skin of the back B: muscles of the back	Knowledge Anatomy of back	5	the first ten
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Anatomy of bones of back (vertebra and column).	Knowledge Anatomy of bones	5	the second ten
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Anatomy of upper limbs: A: Anatomy of skin B: Muscles of upper limbs C: nerves of upper limbs d: bones of upper limbs	Knowledge Anatomy of upper limbs:	5	the third ten
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Anatomy of lower limbs: A: Anatomy of skin B: Muscles of lower limbs C: bones of lower limbs d: nerves of lower limbs	Knowledge Anatomy of lower limbs:	5	Fourth ten
	with Active learning strategy pictures Available simulations and practical visits	muscles of lower limbs C: bones of lower limbs d: nerves of lower limbs	Knowledge muscles of lower limbs	5	Fifth ten

Course Evaluation .11

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc

and teaching resources Learning .12

Jane B. Reece Neil A. Campbell "Biology	(Required textbooks (methodology if any
	(Main References (Sources
Jane B. Reece Neil A. Campbell "Biology	Recommended supporting books and references (scientific journals, reports, (.etc
	Electronic references, websites

Course name .1	
Device Technologies	
code Course .2	
Year /Chapter .3	
First semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
.halls My attendance is in two	
(Number of study hours (total) / Number of units (total) .6	
5/75	
(if more than one name is mentioned) Name of the course administrator .7	
:Ymail .A Name: M.D. Arej Ghazi Abdul Shahid Al areej.ghazy.idi25@atu.edu.iq	
objectives Course .8	
Providing the student with extensive knowledge of devices and equipment related to evidence detection, in addition to enhancing their use skills	objectives Subject
Teaching and learning strategies .9	
discussions, small discussions, learning : involves the use of group Interactiv .and interactive activities .To encourage active participation and exchange of ideas among students .Case Study and Analysis: Criminal case studies can be used to teach student s can be encouraged to participate and research projects: Student Discussions .in discussions Group on specific topics	Strategy

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
.choice tests–Use multiple .Written articles and reports	Active learning strategy Available images Simulation and practical visits	destructive testing, –Non what is the purpose of inspection, the nature and sources of defects, destructive –non inspection methods, .visual inspection method	knowledge and understand Tests –Non destructive	5	the first
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Permeate fluid method, magnetic particle .examination	knowledge and understand road Liquids Penetrating	5	the second
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Radiographic examination, short wavelength electromagnetic ,examination ,ray examination–X .gamma examination	knowledge and understand road Examination With radiation	5	the third

.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Neutron radiation .examination	knowledge Examination With neutr	5	Fourth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	.Eddy current testing	knowledge Examination In a way Currents	5	Fifth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	. Ultrasound examination	knowledge and understand Examination By the wav Auditory	5	Sixth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Light microscope, types of light microscope and ,its structure .discrimination ability	knowledge and understand microscope Photovolta	5	Seventh
.tests choice–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Disadvantages of optical lenses, methods of increasing the ability to distinguish, use of filters in examination and	knowledge And understand flaws Lenses Optical	5	The eighth

		imaging with a light .microscope			
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Basic properties of electrons, positive nature of electrons, methods of electron emission, interaction between electron beam and solid matter, transmission electron microscope, electron lenses, design of transmission electron microscope(TEM) , in magnetic aberration .lenses	knowledge and understand Properties Private With elect	5	Ninth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Image clarity and objective lens resolution, depth of field and depth of focus, electron diffraction technique, geometric nature of electron diffraction patterns, types of electron diffraction patterns, criteria for ion electron diffract patterns and measurement of camera constant(L) applications , and interpretation of electron diffraction patterns from selected	knowledge and understand Depth of fi With technology Diffraction Electronics	5	tenth

		areas, chemical analysis .and structural analysis			
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Image contrast in transmission electron microscopy, absorption contrast and diffraction contrast, diffraction contrast, method of image formation and recording and its types, choosing the appropriate accelerating voltage, methods of preparing samples for transmission electron microscopy, direct method for forming thin films, preparation from the body of the es themselves, sampl some applications of transmission electron .microscopy	knowledge and understand Contrast The photo	5	atheistic ten
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Scanning electron microscope(SEM) basic , operation of scanning microscope, design and construction of scanning electron microscope, image contrast mechanisms, sample preparation for scanning microscope, applications	knowledge a job microscope	5	the seco ten

		tron of scanning elec microscope, microelectron probe .analyzer			
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Microelectron probe analyzer, microelectron probe analyzer design, ray spectrometers–x	knowledge And understand the analy The sensor Electron	5	the third ten
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Sensor Analyzer Application .Microelectronic	knowledge Application Sensor Analyzer	5	Fourth ten
.choice tests–Use multiple .Written articles and reports		Quantitative analysis analyzer Microelectronic sensor, metrology, and signal detection	Understand g Analysis Quantitative	5	Fifth ten

Course Evaluation .11

according to the tasks assigned to the student, such as daily preparation, The grade is distributed out of 100 .daily, oral, monthly and written exams, reports, etc

Learning and teaching resources .12

n:Science Forensic"Introduction to Scientific and Investigative Techniques Jon J. Nordby - and Stuart H. James	(Required textbooks (methodology if a
Forensic Science: From ".1 the Crime Scene to the Crime "Lab	(Main References (Sources
erg Project Project www.gutenberg.org Gutenberg One of the large books. You may find some books related to the field -libraries of fre .of devices used in forensic evidence	Recommended supporting books journals, and references (scientific (.reports, etc
	Electronic references, websites

Course name .1	
Computer Applications 1	
code Course .2	
Year /Chapter .3	
First semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
.My attendance is in two halls	
(total) Number of study hours (total) / Number of units .6	
3/45	
(if more than one name is mentioned) Name of the course administrator .7	
:Email A Name: Ms. Israa Abdul Jalil Hussein Alesraabdul@atu.edu.iq	
objectives Course .8	
Learn about the hardware and software components of computer And operate the calculator using the operating system Ms-Dos & Windows	Subject objectives
Teaching and learning strategies .9	
learning : involves the use of group discussions, small discussions, Interactive and interactive activities .encourage active participation and exchange of ideas among students To .Case Study and Analysis: Criminal case studies can be used to teach student and research projects: Students can be encouraged to participate Discussions in discussions cific topicsGroup on spe	Strategy

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Introduction to computers, their generations, and their components: hardware and software Software system) software and application (software	Know the components And software Calculators	3	the first
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	MS-Dos operating system : The concept of the operating system, the system reference, disks, directories and their levels and ,files internal and external operating	to understand And knowledge Systems Operation	3	the second

		system commands the most) commonly used .(commands			
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Internal Operating System Commands: Dir, Del, Time, Date, Cls, Rd, CD, MD, Echo, Prompt, Ren, Copy, Vol, Ver, Path, OS External : commands Edit, tree, xcopy, format, chkdsk, Diskcopy	understand orders employment Computer	3	the third
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Introduction to computers, their generations, and their components: hardwareand software Software system) software and	Knowledge of generati And components Calculators	3	Fourth

		application .(software			
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	MS-Dos operating system : the concept of the operating system, the system reference, disks, directories and their levels and ,filesinternal and external operating system commands the most) commonly used .(commands	Understanding knowledge Systems Operation	3	Fifth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Internal Operating System Commands: Dir, Del, Time, Date, Cls, Rd, CD, MD, Echo, Prompt, Ren, Copy, Vol, Ver, Path,	understand orders Operation Interior	3	Sixth

		External OS :commands Edit, tree, xcopy, format, chkdsk, diskcopy			
.choice tests–multiple Use .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Introduction to computers, their generations, and their components: hardwareand software Software system) software and application (software	and knowledge understanding	3	Seventh
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures simulations and Available practical visits	MS-Dos operating system : the concept of the operating system, the system reference, disks, directories and their levels and ,filesinternal and external operating	knowledge understanding For systems Operation	3	The eighth

		system commands the most) commonly used .(commands			
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Internal Operating System Commands: Dir, Del, Time, Date, Cls, Rd, CD, MD, Echo, Prompt, Ren, Copy, Vol, Ver, Path, External OS :commands Edit, tree, xcopy , format, chkdsk, Diskcopy	knowledge understanding No orders Operation Foreign	3	Ninth
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures simulations and Available practical visits	Introduction to computers, their generations, and their components: hardwareand software Software system) software and	knowledge understanding For programs Calculators	3	tenth

		application .(software			
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures simulations and Available practical visits	MS-Dos operating system : The concept of the operating system, the system reference, disks, directories and their levels and ,filesinternal and external operating system commands the most) commonly used .(commands	Knowledge and understanding For systems Operation	3	atheistic ten
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Internal Operating System Commands: Dir, Del, Time, Date, Cls, Rd, CD, MD, Echo, Prompt, Ren, Copy, Vol, Ver, Path,	knowledge understanding	3	the second ten

		External OS :commands Edit, tree, xcopy, format, chkdsk, Diskcopy			
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures Available simulations and practical visits	Introduction to computers, their generations, and their components: hardwareand software Software system) software and application .(software	knowledge understanding With components Calculators	3	the third ten
.choice tests–Use multiple .Written articles and reports	with Active learning strategy pictures simulations and Available practical visits	MS-Dos operating system : The concept of the operating system, the system reference, disks, directories and their levels and ,filesinternal and external operating	knowledge understanding	3	Fourth ten

		system commands the most) commonly used (commands			
.choice tests–Use multiple .reports Written articles and	with Active learning strategy pictures Available simulations and practical visits	Internal Operating System Commands: Dir, Del, Time, Date, Cls, Rd, CD, MD, Echo, Prompt, Ren, Copy, Vol, Ver, Path, External OS :commands Edit, tree, xcopy, format, chkdsk, Diskcopy	knowledge understanding Operating syst commands :Foreign Edit, tree, xcopy	3	Fifth ten

Course Evaluation .11

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, .daily, oral, monthly and written exams, reports, etc

Learning and teaching resources .12

	(methodology if any) Required textbooks
.Mohamed Harby, Computer Applications, Cairo, 2015	(Main References (Sources
	Recommended supporting books and references (scientific journals, reports, (.etc
Iraqi Virtual Library	Electronic references, websites

Course name		.13
human rights		
code Course		.14
Year /Chapter		.15
First semester – First year		
description was prepared Date this		.16
15/6/ 2026		
forms Available attendance.		.17
person halls-Two in		
(Number of study hours (total) / Number of units (total.		.18
2/30		
(if more than one name is mentioned) Name of the course administrator		.19
: A Email Name: M.M. Hammam Hatem Karim Alhammam.karim@atu.edu.iq		
objectives Course		.20
.Introducing the student to human rights, including civil rights political guarantees of these rights at the international level and And the internal	Subject objectives	
Teaching and learning strategies		.21
learning : involves the use of group discussions, small discussions, and Interactive .interactive activities .participation and exchange of ideas among students To encourage active .Case Study and Analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - .discussions . A group on specific topics	Strategy	

Course structure .22

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watch es	The week
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Introduction to study Theory of rights	Know the theor General For rights	2	the first
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy practical visits Available simulations ar	The concept of righ	Know definition Right	2	the second
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Right and freedom	understand relationship Between right And freedom	2	the third
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Public rights	Knowledge rights General	2	Fourth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	civil rights	Know the n important Rights Civil As a right to life	2	Fifth

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Political rights	most Know important Rights Politics As a right to run office	2	Sixth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Political rights	Know the r important Rights Politics As a right Election	2	Sevent
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Rights Economic	Know the n important Rights Economic As a right to wo	2	The eighth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Rights Social	Know the n important Rights Social right As a	2	Ninth

			Warranty		
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Rights guarantees man	Know the n important Guarantees Private With rights man	2	tenth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Charters international covenants	knowledge And understand Charters International	2	atheisti ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	violations rights man	knowledge Most important Violations For rights man	2	the second ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Effective protection human rights For	knowledge How to protection rights man	2	the thir ten

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Justice for victims violations rights man	knowledge How to equity Victims Violations	2	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Pursuit And the trial And compensation	Know how Pursuit Violators rights man	2	Fifth ten

Course Evaluation .23

daily preparation, The grade is distributed out of 100 according to the tasks assigned to the student, such as .daily, oral, monthly and written exams, reports, etc

Learning and teaching resources .24

	Required textbooks (methodology (any
duction to the Study , Adham Abdel Hadi Haider , Mazen Lilo is satisfied .2010 , of Human Rights .2012 , Human Rights, Hamid Hanoun Khaled	• (Main References (Sources •
Human Rights / Hamid Hanoun Khaled	Recommended supporting books and references (scientific journals, (.reports, etc
https://www.unodc.org/e4j/ar/terrorism/module-9/key-issues/international-covenant-on-civil-and-political-rights.html	Electronic references, websites

name Course	
Arabic	
code Course .25	
Year /Chapter .26	
First semester – First year	
description was prepared Date this .27	
15/6/ 2026	
forms Available attendance.28	
Two halls in attendance	
(Number of study hours (total) / Number of units (total).29	
2/30	
(if more than one name is mentioned) Name of the course administrator .30	
:Email A Name: M.M. Adnan Hamid Yaseen Aladnan.yaseen.idi1@atu.edu.iq	
objectives Course .31	
.Introducing the student to human rights, including civil rights political guarantees of these rights at the international level and And the internal	Subject objectives
Teaching and learning strategies .32	
learning : involves the use of group discussions, small discussions, and Interactiv .interactive activities .participation and exchange of ideas among students To encourage active .Case Study and Analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - .discussions Group on specific topics	Strategy

Course structure .33

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watch es	The week
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	Introduction to linguistic errors the tied taa, – taa and the long the open taa	Know how Writing the letter taa Tied And the long one	2	the first
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	writing Rules for the extended and shortened solar and –alif lunar letters	Know how Writing the letter alif The extended one	2	the second
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	Dad and Tha	Know how Dhad Writing the let And the letter Dhad	2	the third
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	Writing the hamza	Know how Writing the hamza	2	Fourth

.choice tests–Use multiple .Written articles and reports	pictures with Active learning strateg Available simulations and practical visits	punctuation marks	Know how writing Signs Punctuation	2	Fifth
.choice tests–Use multiple .Written articles and reports	pictures with Active learning strateg Available simulations and practical visits	Noun, verb and the difference between them	Know how writing the name And the action	2	Sixth
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	Effects	Know how writing Effects	2	Seventh
.choice tests–Use multiple .articles and reports Written	with pictures Active learning strateg Available simulations and practical visits	Number	knowledge How to writing number And the counted	2	The eighth
.choice tests–Use multiple .articles and reports Written	with pictures Active learning strateg Available simulations and practical visits	Applications Errors Common linguistic	knowledge The most import mistakes Linguistic Common	2	Ninth

.choice tests–Use multiple .articles and reports Written	with pictures Active learning strateg Available simulations and practical visits	Applications Errors Common linguistic	knowledge The most import mistakes Linguistic Common	2	tenth
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	Noon and –Tanween Meanings of Prepositions	knowledge Meanings The drag And rules The letter Nun Tanween	2	atheistic ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	Formal aspects of administrative discourse	knowledge How to book The speech Administrative	2	the second ten
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	language Administrative discourse	knowledge language The speech Administrative	2	the third ten

.choice tests–multiple Use .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	language Administrative discourse	knowledge language The speech Administrative	2	Fourth ten
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strateg Available simulations and practical visits	Correspondence samples Administrative	understand the nature Correspondence Administrative	2	Fifth ten

Course Evaluation .34

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, .daily, oral, monthly and written exams, reports, etc

teaching resources Learning and .35

	(Required textbooks (methodology if any
, Ibn Aqil's explanation of Ibn Malik's Alfiyyah . Ta'i-authored by Ibn Malik al	(Main References (Sources
	Recommended supporting books and references (scientific journals, reports, (.etc
https://www.noor-book.com /	Electronic references, websites

Course name .1	
language English	
code Course .2	
Year /Chapter .3	
Second semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
halls Two attendance	
(Number of study hours (total) / Number of units (total .6	
2/30	
(if more than one name is mentioned) Name of the course administrator .7	
: Email A-Name: M.M. Raneen Muwaffaq Fadhel Alhuda.hassan@atu.edu.iq	
objectives Course .8	
Improving students' knowledge and skills in English within the framework of forensic techniques	Subject objectives
Teaching and learning strategies .9	
learning : involves the use of group discussions, small discussions, and Interactive .interactive activities .encourage active participation and exchange of ideas among students To .Case Study and Analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - .discussions cific topicsGroup on spe	Strategy

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	General information on part of speech of the English language. The use of a, an, the with practices.	Knowledge General information on part of speech	2	the first
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Diction + Reading a short essay. Past tense.	Knowledge Diction + Reading	2	the seco
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Exercises on past tense + Diction, The use of verb to (be) + exercises.	Knowledge Exercises on past tense +	2	the third
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Diction + Conversation (Introducing myself to others), Comprehension (Reading a short essay).	Knowledge Diction + Conversation	2	Fourth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Exercises on Present tense + comparison with past tense. Comprehension (Reading a short essay).	Knowledge Exercises on Present tense	2	Fifth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Diction + Conversation the polite request. Idioms on “law” and justices.	Knowledge Diction + Conversation	2	Sixth

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Diction + Prepositions (Grammar), Idioms on “law” and Justices.	Knowledge Diction	2	Seventh
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Composition + Diction. Future tense.	Knowledge Composition	2	The eighth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Exercises on future tense + comparison with other tenses. Diction + Comprehension (Reading a short essay).	Knowledge Exercises	2	Ninth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Conversation (How to ask a person). Idioms on (law) + (Justices).	Knowledge Conversation	2	tenth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Diction + Comprehension (Reading a short essay). Grammar (Passive voice).	Knowledge Diction+ Comprehension	2	atheistic ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Exorcizes or passive voice. Comprehension (Reading a short essay).	Knowledge Exorcizes	2	the seco ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Diction + Composition, Grammar (Direct + Indirect speech).	knowledge Diction+ Composition	2	the third ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Practices.	Knowledge Practices	2	Fourth ten

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visi	Comprehension (Reading a short essay).. Diction + Review of some of important points	Knowledge Comprehension	2	Fifth ten

Course Evaluation .11

the tasks assigned to the student, such as daily preparation, The grade is distributed out of 100 according to
.daily, oral, monthly and written exams, reports, etc

Learning and teaching resources .12

English learn , Badri -Hamad Al.	Required textbooks (methodology (any
	(Main References (Sources
	Recommended supporting books and references (scientific (.journals, reports, etc
	Electronic references, websites

Course name .1	
Chemistry	
code Course .2	
Year /Chapter .3	
Second semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
person halls-Two in	
(Number of study hours (total) / Number of units (total .6	
57/5	
(if more than one name is mentioned) Name of the course administrator .7	
:Email A Name: M.M Karar Ezzat Hussein Al kara.hussain.idi12@atu.edu.iq	
objectives Course .8	
The student should be able to acquire basic knowledge and skills .chemistry concentrations and color Familiar with how to prepare solutions of differ and volumetric analysis These solutions, in addition to the diagnosis of organic and biologi .materials and the basic principles of organic and biological chemistry	Subject objectives
Teaching and learning strategies .9	
learning : involves the use of group discussions, small discussions, and Interactiv .interactive activities .To encourage active participation and exchange of ideas among students .Case Study and Analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - .discussions Group on specific topics	Strategy

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Methods of clinical analysis: Qualitative and quantitative analysis Volumetric analysis.	Knowledge Methods of clinical analysis: Qualitative And quantitative	5	first th
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Concentration measurement of solution, normal solution, percentage solution and part per million solution.	Knowledge Concentration measurement of solution , normal	5	the second
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Chemical equilibrium: water dissociation constant, PH and POH of acidic and alkaline solution, buffer solutions, types and forms. calculation.	Knowledge Chemical equilibrium POH of acidic and alkaline	5	the thi
.choice tests–Use multiple .articles and reports Written	with pictures Active learning strategy Available simulations and practical vis	Volumetric analysis: Classification, types, standard solutions, indicators, Acidbase indicators.	Knowledge Volumetric anal	5	Four th

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy simulations and practical visits Available	Colorimetric analysis: Principle of colorimetric analysis Beer – Lambert law, standard calibration curve, Maximum absorption curve.	Knowledge Colorimetric analysis	5	Fifth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Introduction to organic chemistry: Brief look at Hydrocarbhone, Methane, and basis of nomenclature and reactions.	Knowledge Introduction to org chemistry	5	Sixth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Alcohols: types, preparation and reactions. Aldehydes: types, preparation and reactions.	Knowledge Alcohols: types, preparati And reactions	5	Seven
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Kentones: types, preparation and reactions. Methods of detect on of alcohol, aldehyde, and ketones.	Knowledge Kentones	5	The eighth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Carboxylic acid: types, preparation and reactions, confirm tests of carboxylic acid.	Knowledge Carboxylic acid	5	Ninth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Amines: types, preparation and reactions.	Knowledge Amines: types	5	tenth

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Introduction to biochemistry: cabobydrate: types metabolism, clinical significance, normal values of glucose and its regulation factors in blood.	Knowledge Introduction to biochemistry	5	atheist ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Proteins: classification and types. Metabolism of proteins protein fraction and normal value, clinical significance of each factor.	Knowledge Proteins: classification and types.	5	the second ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Lipids: classification and types. Metabalism of lipsds. Clinical significance, normal value of each type.	Knowledge Lipids: classifica and types	5	the thi ten
.choice tests–Use multiple .articles and reports Written	with pictures Active learning strategy Available simulations and practical vis	Enzymes: classification and types and Hormones: normal values of each type, clinical significance of each type. Iso enzymes and coenzymes.	Knowledge Enzymes: classification and types And Hormones	5	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Liver – function tests: types and significance. Pancreatic – function tests: types and significance.	Pancreatic – function tests: types and significance. Renal – Function tests: types	5	Fifth ten

		Renal – function tests: types and significance.	and significance		
--	--	--	------------------	--	--

Course Evaluation .11

tasks assigned to the student, such as daily preparation, The grade is distributed out of 100 according to the .daily, oral, monthly and written exams, reports, etc

Learning and teaching resources .12

Vo gel's text book of quantitative chemical analysis..5th .ed. 1989	Required textbooks (methodology (any
	(Main References (Sources
.2Basics of titration 3. http://byjus.com/chemistry/typesof titration .	Recommended supporting books and references (scientific (.journals, reports, etc
.4General chemistry. 5. Principles of chemistry 6. Cambridge IGCSEby Dou Wilford, Bryan Earl. Course Outcomes: To enable students to learn theoret and practical volumetric analysis .	Electronic references, websites

Course name .1	
Life Sciences 2	
code Course .2	
Year /Chapter .3	
Second semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
person halls-Two in	
(Number of study hours (total) / Number of units (total .6	
3/45	
(name is mentioned if more than one) Name of the course administrator .7	
:Email A Name: M.M. Huda Nour Hassan Alhuda.hassan@atu.edu.iq	
objectives Course .8	
:the course, the student will be able to At the end of1- Know the molecular structure of the cell and human genetics, especially DNA. 2- Know and understand the immune system, blood cells, and body fluids such as blood, lymph, and fluids seminal fluids	Subject objectives
Teaching and learning strategies .9	
involves the use of group discussions, small discussions, and : learning Interactive .interactive activities .To encourage active participation and exchange of ideas among students .Case Study and Analysis: Criminal case studies can be used to teach students - research projects: Students can be encouraged to participate in and Discussions - .discussions Group on specific topics	Strategy

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Wats	The week
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	The nature of DNA, Packaging of DNA, Replication, Transcription.	Knowledge The nature of DNA	3	the first
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Protein synthesis, The codon.	Knowledge Protein synthesis, The codon.	3	the second
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	DNA Damage, Repair mechanism in the cell.	Knowledge DNA Damage	3	the third
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Gene regulation, Mutation, its types transposone.	Knowledge Gene regulation	3	Fourth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Gene amplification PCR.	Knowledge Gene amplification PCR	3	Fifth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy visits Available simulations and practical	DNA fingerprints.	Knowledge DNA fingerprints	3	Sixth

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Cloning of mammalian cells.	Knowledge Cloning of mammalian ce	3	Sevent
.choice tests–Use multiple .and reports Written article	with pictures Active learning strategy Available simulations and practical vis	Immunity, division, immune system.	Knowledge Immunity, division Immune system	3	The eighth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Antigens and antibodies.	Knowledge Antigens And Antibodies	3	Ninth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Complement system.	Knowledge Complement syst	3	tenth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Immunohaematology, Blood grouping & Rh system, Blood enzymes.	Knowledge Blood enzymes	3	atheisti ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	HLA system, tissue typing, parternity test.	Knowledge parternity	3	the second ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Infertility, seminal fluid, alpase enzeme fructose, citrate salts, crystals, etc...	Knowledge Infertility, semina	3	the thir ten

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Amniotic fluid, Hair.	Knowledge Amniotic fluid, Hair	3	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy and practical visits Available simulations	Vaginal swab.	Knowledge Vaginal swab	3	Fifth ten

Course Evaluation .11

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, reports, etc ,daily, oral, monthly and written exams

Learning and teaching resources .12

.2006 , Abdul Hilal Hammadi, Life Science, Basics and Concepts	Required textbo (methodology if any)
	(Main References (Sources
.Azzawi, Introduction to Biology, 2009-Noura Al	Recommended supporting books and references ,scientific journals, reports) (.etc
	Electronic references, website

Course name .1	
1 Crime Scene	
code Course .2	
Year /Chapter .3	
Second semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
person halls-Two in	
(Number of study hours (total) / Number of units (total .6	
5/75	
(if more than one name is mentioned) Name of the course administrator .7	
: A Email Name: M.M. Hammam Hatem Karim Alhammam.karim@atu.edu.iq	
objectives Course .8	
The student's knowledge of information related to the crime scene in particular accidents, how to record accidents and organized crimes and ways to combat them	Subject objectives
Teaching and learning strategies .9	
learning : involves the use of group discussions, small discussions, Interactive .and interactive activities .To encourage active participation and exchange of ideas among students .students Case Study and Analysis: Criminal case studies can be used to teach and research projects: Students can be encouraged to participate in Discussions .discussions Group on specific topics	Strategy

Course structure .10

method Evaluation	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
.choice tests–Use multiple .articles and reports Written	with pictures Active learning strategy Available simulations and practical vis	Examining the scene of the accident and its importance in solving the .crime	Know how Check on accident scene	5	the first
.choice tests–Use multiple .and reports Written articles	with pictures Active learning strategy Available simulations and practical vis	Plans for murder and ramming .crimes	knowledge understanding How to draw Schemes	5	the seco
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Traffic plan for .wheel collision	knowledge understanding How to draw Schemes	5	the third
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Criminal record and its role in revealing .crimes	Understand importance of Registration Criminal	5	Fourth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy visits Available simulations and practi	Methods of committing crimes and their relationship to uncovering the .perpetrator	understand relationship Between discover The culprit And methods commit it	5	Fifth

.choice tests–Use multiple .and reports Written articles	with pictures Active learning strategy Available simulations and practical vis	flagrant crime	knowledge Crime The famous	5	Sixth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Interrogation and .investigation	knowledge Ways interrogation And investigation	5	Seventh
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Organized crime and ways to .combat it	Statement of crim The organization And methods combat it	5	The eighth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Defense witnesses and prosecution .witnesses	Team ID Between witness Proof And the denial	5	Ninth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Money laundering crimes and fake recruitment .companies	knowledge Crimes laundry Money	5	tenth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Investigation of employee crimes	role of investigation In crimes The organization	5	atheistic ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Tax evasion crimes and ways to reduce	Statement of crim smuggling	5	the seco ten

		.them			
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	.Smuggling limit	Knowing the of means limitation From smuggling	5	the third ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Interpol and its role in combating .crime	knowledge understanding a job Police International	5	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical vis	Modern methods of detecting .various crimes	knowledge understanding Methods Modern In the reveal About crimes	5	Fifth ten

11. Course Evaluation

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc

12. Learning and teaching resources

.Scene, 2006 Tariq Ibrahim Attia, Crime	(Required textbooks (methodology if any)
	(Main References (Sources
Hesham Abdel Hamid, Crime Scene Investigation, Cairo, 2007	Recommended supporting books and references (scientific journals, reports, (.etc
	Electronic references, websites

Course name .1	
investigation Criminal	
code Course .2	
Year /Chapter .3	
Second semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
person halls-Two in	
(Number of study hours (total) / Number of units (total .6	
3/45	
(if more than one name is mentioned) Name of the course administrator .7	
:Email A -Name: Asst.Dr. Haidar Naji Taher AlHaidr.taher@atu.edu.iq	
objectives Course .8	
Introducing the student to the importance of criminal investigation and .relationship to the management of the process Investigation and the basic rules followed in the principles of crimi .investigation and scientific methods in investigation	Subject objectives
Teaching and learning strategies .9	
use of group discussions, small discussions, learning : involves the Interactiv .and interactive activities .To encourage active participation and exchange of ideas among students .Case Study and Analysis: Criminal case studies can be used to teach student projects: Students can be encouraged to participate and research Discussions .in discussions Group on specific topics	Strategy

Course structure .10

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Investigation and investigator	Understanding knowledge Investigation And investigator	3	the first
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	The development of the authority and jurisdiction of criminal investigation .in Iraq	Understand how evolved power The investigator	3	the second
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Characteristics and personality of the .investigator	Get to know characteristics The investigator	3	the third
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Basic rules of .investigation	knowledge Rules Basic To investigate	3	Fourth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Investigation .procedures	Know the important Procedures Investigation	3	Fifth

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Forensic .evidence	Know the m important Evidence Criminal		Sixth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	.Certificate	Understanding knowledge The importance the certificate	3	Seventh
.choice tests–Use multiple .Written articles and reports	pictures with Active learning strategy Available simulations and practical visits	.Experience	Definition Important Experience In proof	3	The eighth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	.Evidence	Definition Important Evidence Proofread	3	Ninth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy visits Available simulations and practical	Scientific methods in criminal .investigation	knowledge Most important means Scientific In investigation	3	tenth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy visits Available simulations and practical	.Lie detector	Knowing importance of Role of the dev Lie Detector In investigation	3	atheistic ten
.tests choice–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Brainwash and get the .truth	Definition In operation laundry brain	3	the seco ten
.choice tests–Use multiple .articles and reports Written	with pictures Active learning strategy Available simulations and practical visits	Use of police .dogs	Knowing importance of Use Dogs Police In reveal	3	the third ten

			Crimes		
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	.Hypnosis	Definition By hypnosis Magnetic	3	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Eavesdroppi ng and audio .recording	Knowing importance of Stealth Hearing And registratio In reveal Crimes	3	Fifth ten

Evaluation Course .11

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, .daily, oral, monthly and written exams, reports, etc

Learning and teaching resources .12

	(Required textbooks (methodology if a
Masry, Comprehensive Criminal Investigation, -Noura .Cairo, 2001	(Main References (Sources
	Recommended supporting books and references (scientific journals, (.reports, etc
Iraqi Virtual Library	Electronic references, websites

Course name .1	
first aid	
code Course .2	
Year /Chapter .3	
Second semester – First year	
description was prepared Date this .4	
15/6/ 2026	
forms Available attendance .5	
person halls-Two in	
(Number of study hours (total) / Number of units (total .6	
3/45	
(if more than one name is mentioned) Name of the course administrator .7	
:Email A Name: M.M. Huda Nour Hassan Alhuda.hassan@atu.edu.iq	
objectives Course .8	
Learn the basic principles of first aid and the areas and rules for applying first aid. The student will be able to perform first aid in cases of wounds, bleeding, fractures, shock, burns, poisoning, suffocation, hanging, fainting, and cardiac arrest and respiratory arrest	Subject objectives
Teaching and learning strategies .9	
learning : involves the use of group discussions, small discussions, and Interactive .interactive activities .To encourage active participation and exchange of ideas among students .Analysis: Criminal case studies can be used to teach students Case Study and - and research projects: Students can be encouraged to participate in Discussions - .discussions Group on specific topics	Strategy

Course structure .10

Evaluation method	Learning method	of the unit Name or topic	Required learning outcomes	Watch es	The week
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Areas of application of first aid, general rules of first aid, means used (bandages, wraps, bandages (and tourniquets	knowledge understanding Areas that Apply it First aid Primary and the means used	3	the first
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	First aid, in case types ,of wounds of wounds (open and closed), wound infections, wound dressings, and first aid for .treating wounds	knowledge Wounds And its types How to bandage	3	the second
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	First aid for bleeding, types of bleeding for a ruptured vessel, types of bleeding internal and) external), bandages and wraps used to stop bleeding, first bleeding, aid for nosebleeds, first aid for .nosebleeds	Definition With first aid Primary that You are using To bleed In various Types	3	third t

.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	types of ,Shock shock and its causes, first aid, .in case of shock	knowledge Shock The m prominent type	3	Fourth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Fractures, types of fractures: simple, compound, complex, comminuted, depressed, and compressed unstable. Symptoms and signs of fracture, complications of fracture, first aid in case of .fracture	knowledge And understa the types Fractions And first aid which must To advance	3	Fifth
.choice tests–Use multiple .nd reportsWritten articles a	with pictures Active learning strategy Available simulations and practical visits	superficial,) Burns deep), degrees of burns, chemical burns, burns and scalding, burn complications, first aid for burns .and scalding	knowledge Burns And its degree The m important first that He should To advance	3	Sixth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Poisoning (acute, chronic), symptoms of poisoning, types of poisoning, first aid in cases of	Know the type Poisoning And first aid that Must progress	3	Seven

		poisoning by breathing, poisoning by injection intravenously) or) .bites animal			
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Choking, symptoms and .choking signs of First aid in case .of suffocation	knowledge Choking And first aid which must To advance	3	The eighth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Strangulation and .hanging Hanging and first aid in case of .hanging	Know difference Between strangulation Hanging and h Providing first a	3	Ninth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Respiratory and .cardiac arrest	reason Know t respiratory failu And the heart	3	tenth
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	.Electrical injuries First aid in case .of electric shock	Know how presentation First aid The first in condition Shock Electrical	3	atheist ten
.choice tests–multiple Use .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Hibernation, causes of hibernation, personal signs of hibernation and first aid, personal signs of	hibernation knowledge How to apply First aid	3	the second ten

		.hibernation			
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Fainting, causes of fainting, signs of fainting, first aid in case of .fainting	Knowing fainting And its signs How to presentation First aid	3	the thir ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Brain explosion, causes of brain explosion, distinctive signs of brain explosion .and first aid	Know the reasons explosion Cerebral How to presentation First aid	3	Fourth ten
.choice tests–Use multiple .Written articles and reports	with pictures Active learning strategy Available simulations and practical visits	Explosions and sabotage, causes of explosions, first aid for explosion victims, caring for the injured, lifting and transporting .them	identification Explosions And the sabotage process How to apply First aid in case occurrence	3	Fifth ten

Course Evaluation .11

The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc

and teaching resources Learning .12

.Primary Care, 1998 A Comprehensive Guide to : Aid First ,Arib-Amjad Al	Required textbooks (methodology (any
	(Main References (Sources

	Recommended supporting books and references (scientific (.journals, reports, etc
Library Virtual Iraqi	Electronic references, websites

36. Course Name

Weapons and ammunition

37. code Course

38. Year /Semester

First Semester – Second Year

39. description was prepared Date this

2026/6/15

40.forms of attendance Available

a lecture

41.(study hours (total) / Number of units (total Number of

6/90

42. if there is more than one, please) Name of the course coordinator
(mention it

Ahmed Jassim Mazhar .M.M

43. objectives Course

- Defining the request for weapons, equipment, and everything related to them - Developing the ability to understand and analyze security and legal aspects related to the use of weapons, ammunition and their components	Course objectives
---	-------------------

44.	Teaching and learning strategies
-----	----------------------------------

:Interactive learning use of group discussions, small group This is achieved through the .discussions, and interactive activities

To encourage active participation and the exchange of ideas among students

Case study and analysis: Criminal case studies can be used to teach students –

research projects: Students can be encouraged to participate in Discussions and –

discussions

.A collection based on specific topics

strategy

45.	Course structure
-----	------------------

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice tests–Using multiple choice tests Multiple choice tests .Written articles and reports	Active learning strategies with pictures Available options, simulations, and practical visits	A historical overview of weapons and their development. Technical specifications of firearms. Conditions for firearm validity	Student's knowledge of the history of weapons	2	the first
choice tests–Using multiple choice tests	Active learning strategies		Student knowledge	2	

.Multiple .Written articles and reports	pictures with Available options, simulations, and practical visits	Types of firearms. Military weapons. The military rifle. Rifle classes. .Rifle parts	Types of weapons		the second
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategies with pictures Available options, simulations, and practical visits	The spiral. The benefits of the spiral. The shape and direction of the spiral. Dams and grooves. A method for determining the direction of the .spiral	Student knowledge 2 Weapon parts	2	the third
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategies with pictures Available options, simulations, and practical visits	Automatic weapons. Machine guns and submachine guns. How a machine gun works. Types of machine gun fire. Pistol.	knowledge Student 2 With automatic weapons	2	

choice tests–ing multipleU .Multiple .Written articles and repor	Active learning strate with pictures Available options, simulations, and practical visits	Searching for the firearm used in the crime. Locations where spent cartridges are found after firing. Investigator's procedures when a firearm is .found	How to search weapons About	2	Seventh
choice tests–Using multipl .Multiple .Written articles and repor	Active learning strate with pictures .Available options simulations, and practical visits	Traces left on a firearm. Methods for removing and treating traces found on a .firearm	How to take trac Weapon	2	Eighth
choice tests–Using multipl .Multiple .Written articles and repor	Active learning strate with pictures Available options, simulations, and practical visits	Effects on the cartridge during firing (internal and external)	Making the stude understand With the effects the weapon	2	Ninth
choice tests–Using multipl .Multiple Available options,	Active learning strate with pictures Available options,	Various tests are performed on the firearm. The	Student knowled With tests different	2	tenth

.Written articles and reports	simulations, and practical visits	weapon's functionality and its ability to fire upon impact with the ground, or to fire without pulling the .trigger			
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategies with pictures Available options, simulations, and practical visits	Gunshot wounds on various objects. Firearms. Bullet holes in glass. Bullet holes in fabric and .leather	Student knowledge With the effects of the release fiery	2	atheistic ten
choice tests–Using multiple .Multiple .reportsWritten articles and reports	Active learning strategies with pictures Available options, simulations, and practical visits	The effects of wounds gunshot on the human body. Characteristics of gunshot wounds. Methods of investigating .gunshot residue	Student knowledge With the effects of the shot	2	the second ten

choice tests–Using multiple choice tests Multiple choice tests .Written articles and reports	Active learning strategies with pictures Available options, simulations, and practical visits	Determine the launch date. Determine the launch distance. Use sports to –determine long range launch .distance	Student knowledge time and place Launch	2	the third ten
choice tests–Using multiple choice tests Multiple choice tests .Written articles and reports	Active learning strategies with pictures Available options, simulations, and practical visits	Firearms microscopy	How to take a picture microscopic	2	Fourth ten
tests choice–Using multiple choice tests Multiple choice tests .Written articles and reports	Active learning strategies with pictures Available options, simulations, and practical visits	Firearm validity requirements	Knowing the validity Weapon	2	Fifth ten

46. Course evaluation

The grade out of 100 is distributed according to the tasks assigned to the student, such as daily preparation, .daily, oral, monthly, and written exams, reports, etc

47. resources Learning and teaching

Bakri, Explanation of the Law of-Muhammad Arabi Kutub-Weapons and Ammunition, Dar al	Required textbooks (methodology,
---	----------------------------------

.Legal, Cairo, 1991	(applicable
Magdi Moheb Hafez, The Law of Weapons and Ammunition .Nahda Al Arabiya Dar Al .Cairo, 1995	(Main references (sources
Raouf Obeid, Explanation of the Supplementary Penal Code .Arabi, Cairo-Fikr Al-Dar Al .1979	Recommended supporting books and references (scientific journals, (...reports
Library Iraqi Virtual	Electronic references, websites

48.	Course Name
Explosives and fires	
49.	code Course
50.	Year /Semester
First Semester – Second Year	
51.	description was prepared Date this
2026/6/15	
52.	forms of attendance Available
a lecture	
53.	(Number of study hours (total) / Number of units (total
5/75	
54.	if there is more than one, please) Name of the course coordinator (mention it
M.M. Maryam Alaa Abdul Hussein Maryam.abdulhussein.idi6@atu.edu.iq	
55.	objectives Course
• Educating the student on information related to explosives and fires • .How to deal with explosives and fires • .How to preserve the scene of the accident	Course objectives

56. Teaching and learning strategies

: learning Interactive of group discussions, the use This is achieved through .small group discussions, and interactive activities
To encourage active participation and the exchange of ideas among students
Case study and analysis: Criminal case studies can be used to teach students - projects: Students can be encouraged to participate and research Discussions - in discussions
A collection on specific topics

strategy

57. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice tests–Using multiple Multiple Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Definition of explosives, their properties, types, and forms	Student knowledge With explosives	1	the first
choice tests–Using multiple Multiple Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Definition of an explosion and its indicators	Student knowledge By bombing	1	the second
choice tests–Using multiple Multiple Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Lighters, their types, and methods of electrocution	Student knowledge With lighters	1	the third

	visits				
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Types of wicks and how to use them	Student knowledge With wicks	1	
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Explosions using a safety fuse	Student knowledge With bombs	1	Fourth
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Detonations using a detonating fuse	Student knowledge With the wicks	1	Fifth
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Wireless and electrical explosions	Student knowledge With bombs	1	Sixth

	visits				
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Traps that fool people and how guard against to them	Student knowledge traps	1	Seventh
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Equipment and tools used in packaging processing	Student knowledge With device	1	Eighth
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Procedures taken when explosive devices are found	Student knowledge With procedures	1	Ninth
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	How to conduct investigation an into fire incidents	Student knowledge By revealing	1	tenth
choice tests–Using multiple .Multiple	Active learning strategy with pictures Available options,	How to write reports for arson incidents	Student knowledge How to write Reports	1	atheistic

.Written articles and reports	simulations, and practice visits				ten
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Types of fires and the materials that cause them	Student knowledge In types fires	1	the second ten
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Reasons why fillings do not rupture during a normal ligation cycle	Student knowledge of Becaus the lack explosion	1	the third ten
choice tests–Using multiple .Multiple .articles and reports Written	Active learning strategy with pictures Available options, simulations, and practice visits	How to make standard, mixed, and electrical connection circuits	Student knowledge How it work Link	1	Fourth ten
choice tests–Using multiple .Multiple .Written articles and reports	Active learning strategy with pictures Available options, simulations, and practice visits	Definition of explosives, their properties, types, and forms	Student knowledge Types explosives	1	Fifth ten

58. Course evaluation

The grade out of 100 is distributed according to the tasks assigned to the student, such as daily preparation, .daily, oral, monthly, and written exams, reports, etc

59. resources Learning and teaching

Forensic Chemistry and Technology of Fire and Explosives by Alexander Beveridge (Revised Edition)	Required textbooks (methodology, (applicable
Fundamentals of Artificial Intelligence and Computing by Dr. Ali Al-Jubouri (4th Edition)	(Main references (sources
Introduction to Modern AI Engineering by Prof. Nadia Al-Tamimi (2nd Edition)	Recommended supporting books and references (scientific journals, (...reports
Iraqi Virtual Library	Electronic references, websites

60. Course Name

Crime Scene 2

61. code Course

62. Year /Semester

First Semester – Second Year

63. description was prepared Date this

2026/6/15

64. forms of attendance Available

a lecture

65. (Number of study hours (total) / Number of units (total

5/75

66. .(if there is more than one, please mention it) Name of the course coordinator

Hassanein Ali Hadi Hassanein.hadi@atu.edu.iq

67. objectives Course

- The student's familiarity with information related to the

Course objectives

.crime scene, especially fingerprints • How to preserve them and compare them with the .fingerprints of suspects					
68. Teaching and learning strategies					
: learning Interactive the use of group discussions, small group This is achieved through .discussions, and interactive activities To encourage active participation and the exchange of ideas among students students Case study and analysis: Criminal case studies can be used to teach - and research projects: Students can be encouraged to participate in Discussions - discussions A collection on specific topics					strategy
69. Course structure					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests	Active learning strategy with pictures	The theoretical concept of a crime scene	Student knowledge	2	first the
Written articles and .reports	Available options, simulations, and practical visits		At the crime scene		
choice –Using multiple .tests	Active learning strategy with pictures	The importance of breaking news in crime detection	Student knowledge	2	the second
Written articles and .reports	Available options, simulations, and practical visits		Breaking News		
choice –Using multiple .tests	Active learning strategy with pictures	Preserving the crime scene	to How maintain	2	

110

Written articles and .reports	Available options, simulations, and practical visits		At the crime scene		the third
choice –Using multiple .tests	Active learning strategy with pictures	Tools of the crime	Knowledge of tools	2	
Written articles and .reports	Available options, simulations, and practical visits		The crime		
choice –Using multiple .tests	Active learning strategy with pictures	role of The environment in shaping the personality of a criminal	Student knowledge	2	Fourth
Written articles and reports	Available options, simulations, and practical visits		The relationship between the environment and the criminal		
choice –Using multiple .tests	Active learning strategy with pictures	Reasons that make a person a criminal	Knowing the reasons	2	
Written articles and .reports	Available options, simulations, and practical visits		The crime		Fifth

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The citizen's role in uncovering crime	Student knowledge In relation to the homeland By crime	2	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Diagnosis: Old and Modern Methods	Diagnosis knowledge	2	Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Crimes of a single type, compound, successive, and continuous nature	Knowing the types Crimes	2	Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	DNAand its role in crime detection	knowledge DNA strand	2	Ninth

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures options, Available simulations, and practical visits	Cybercrimes (Internet crimes)	Knowing the crimes Electronic	2	tenth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures ,Available options simulations, and practical visits	Blood and semen and their role in crime detection	Blood knowledge And semen	2	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	domestic violence crimes	Knowing the crimes domestic violence	2	the second ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and visits practical	Traces of glass and dust and where they are found	Knowledge of the effects	2	the third ten
choice –Using multiple .tests	Active learning strategy with pictures	Hair and fiber traces, how they	Knowing how	2	

Written articles and .reports	options, Available simulations, and practical visits	are transported, and their benefits .at a crime scene	Removing the effects		Fourth ten
choice –Using multiple .tests	Active learning strategy with pictures	The theoretical concept of a crime scene	Theater knowledge	2	
Written articles and .reports	,Available options simulations, and practical visits		The crime		Fifth ten

70. Course evaluation

The grade out of 100 is distributed according to the tasks assigned to the student, such as daily preparation, .written exams, reports, etc daily, oral, monthly, and

71. Learning and teaching resources

Mohamed Shennawy, Crime Scene and Evidence Removal, Dar Al .Fikr Al Arabi, Cairo, 2010	Required textbooks (methodology, if (applicable
Criminal Investigation and Scientific ,Ahmed Shawky Abdel Rahman .Forensic Evidence, Alexandria, 2005	(Main references (sources
Mahmoud Naguib Hosni, Expertise in Criminal Matters, Dar Al .Nahda Al Arabiya, Cairo, 1988	Recommended supporting books and references (scientific journals, (...reports
Iraqi Virtual Library	references, websites Electronic

1. Course Name

Principles of Criminal Procedure

2. code Course

3. Year /Semester

First Semester – Second Year

4. description was prepared Date this

2026/6/15

5. forms of attendance Available

a lecture

6. (study hours (total) / Number of units (total Number of

5/75

7. .(if there is more than one, please mention it) Name of the course coordinator

Dr. Hammam Hatem Karim hammam.karim@atu.edu.iq

8. objectives Course

- **Introducing the student to the procedural rules followed .in investigation and trial**
- **The student should be informed of the accused's .guarantees**

objectives Course

9. Teaching and learning strategies

: learning Interactive use of group discussions, small group the This is achieved through .discussions, and interactive activities

To encourage active participation and the exchange of ideas among students

Case study and analysis: Criminal case studies can be used to teach students -

rch projects: Students can be encouraged to participate in and resea Discussions - discussions

A collection on specific topics

strategy

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and	Active learning strategy with pictures	Criminal and civil lawsuits	Student's knowledge of the lawsuit	2	

.reports	Available options, simulations, and practical visits		Criminal and civil		the first
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Stages of criminal proceedings	Student knowledge of stages lawsuit The	2	the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Investigation and evidence gathering	Student's knowledge of investigation	2	the third
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	preliminary investigation	Student's knowledge of the investigation	2	Fourth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Methods of coercing the accused	Student knowledge of methods Forcing the accused	2	Fifth

	practical visits				
choice –Using multiple .tests Written articles and .reports	Active learning with strategy pictures Available options, simulations, and practical visits	Types of criminal courts	Student knowledge of types courts	2	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures ,Available options simulations, and practical visits	trial proceedings	Student's knowledge of trial procedures	2	Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Summary and summary –non lawsuit	Student's knowledge of the lawsuit Summary	2	Eighth
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The ruling and its reasons	The student's knowledge of the ruling	2	Ninth

choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The binding nature of rulings	The student's knowledge of the authority The ruling	2	tenth
choice–Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Methods of appealing judgments	Student knowledge of methods appeal	2	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Distinction, correction of discriminatory decisions, and retrial	Student's knowledge of discrimination	2	the second ten
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Enforcement of criminal judgments	Student knowledge of implementation rulings	2	the third ten

choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Execution of the death penalty	Student knowledge of implementation death penalty	2	Fourth ten
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Implementation of custodial sentences	Student knowledge of implementation sanctions	2	Fifth ten

11. Course evaluation

The grade out of 100 is distributed according to the tasks assigned to the student, such as daily preparation, .daily, oral, monthly, and written exams, reports, etc

12. teaching resources Learning and

Iraqi Code of Criminal Procedure No. 23 of 1971	Required textbooks (methodology, if (applicable
Akeeli, Principles of Criminal Procedures, University -Abdul Amir Al .of Baghdad, Baghdad 1987	(Main references (sources
Muhammad Ali Salem, A Concise Guide to the Principles of Criminal Thaqafa for Publishing and Distribution, -Proceedings, Dar Al .Amman, Jordan, 2009	supporting books Recommended and references (scientific journals, (...reports
tual LibraryIraqi Vir	Electronic references, websites

1. Course Name	
Forensic medicine	
2. code Course	
3. Year /Semester	
First Semester – Second Year	
4. description was prepared Date this	
2026/6/15	
5. forms of attendance Available	
a lecture	
6. (Number of study hours (total) / Number of units (total	
3/45	
7. .(if there is more than one, please mention it) Name of the course coordinator	
M.M. Adel Adel Naji	
8. objectives Course	
• Teaching the student skills in forensic medicine and .familiarity with forensic medical systems • the forms, examine the victim, and identify How to send .signs of death • .Knowing the causes of death	Course objectives
9. Teaching and learning strategies	
: learning Interactive the use of group discussions, small group This is achieved through .activities discussions, and interactive To encourage active participation and the exchange of ideas among students Case study and analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - onsdiscussi	strategy

A collection on specific topics

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Introduction; Forensic Medical Systems; Forensic Groups; Medical How to Send a Report; Accident Location Detection	Student knowledge medical systems	2	the first
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Death and its signs	Student knowledge Signs of death	2	the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Wounds and their minor,) types (serious, fatal	Student knowledge Wounds and their types	2	the third
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and	firearm wounds	Student knowledge Weapons wounds	2	Fourth

	practical visits				
choice –Using multiple .tests Written articles and .reports	Active learning pictures strategy with Available options, simulations, and practical visits	Burns. Scorching. Chemical. Fire. Electrical	knowledge student with burns	2	Fifth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, and ,simulations practical visits	electric shock	Student knowledge By electric shock	2	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures ,Available options simulations, and practical visits	Suffocation. Breath suffocation. Manual strangulation. .Constraint	Student knowledge by suffocation	2	Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Hanging. Choking. .Drowning	Student knowledge By hanging	2	Eighth

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Sexual matters. Virginity. Homosexuality. .Abortion	Demand knowledge sexual matters	2	Ninth
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Impotence, infertility, infanticide, hunchback syndrome	Student knowledge curse	2	tenth
choice –Using multiple .tests and Written articles .reports	Active learning strategy with pictures Available options, simulations, and practical visits	sudden death	Student knowledge Sudden death	2	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	DNA fingerprinting	Student knowledge Fingerprint	2	the second ten

choice –Using multiple .tests	Active learning strategy with pictures	Proof of paternity	Student knowledge	2	the third ten
Written articles and .reports	Available options, simulations, and practical visits		By proving sonship		
choice –Using multiple .tests	Active learning strategy with pictures	Serological tests, hair analysis, and blood grouping	Student knowledge	2	Fourth ten
Written articles and .reports	Available options, simulations, and practical visits		Types of tests		
choice –Using multiple .tests	Active learning strategy with pictures	How to send a report on the location of the accident	Student knowledge	2	Fifth ten
Written articles and .reports	Available options, simulations, and practical visits		How to send		
11. Course evaluation					
distributed according to the tasks assigned to the student, such as daily preparation, The grade out of 100 is .daily, oral, monthly, and written exams, reports, etc					
12. Learning and teaching resources					
-s of Forensic Medicine, Dar AlSaadi, Fundamental-Ali Hamoud Al .Radwan, Amman, 2018			Required textbooks (methodology, if (applicable		

Thaqafa for -Jabri, Forensic Medicine and Toxicology, Dar Al-Jalal Al .Publishing and Distribution, 2011	(Main references (sources
Mr. Abu Ahmed Ragab, Forensic Medicine and Evidence .Investigation, Alexandria, 2015	Recommended supporting books ,and references (scientific journals (...reports
Iraqi Virtual Library	Electronic references, websites

1. Course Name	
organized crime	
2. code Course	
3. Year /Semester	
First Semester – Second Year	
4. description was prepared Date this	
2026/6/15	
5. forms of attendance Available	
a lecture	
6. (Number of study hours (total) / Number of units (total	
5/75	
7. .(if there is more than one, please mention it) Name of the course coordinator	
M. Ali Majeed Khalil ali.khaleel.idi19@atu.edu.iq	
8. objectives Course	
• .Understanding organized crime and its types • .How to deal with organized crime	Course objectives
9. Teaching and learning strategies	

: learning Interactive the use of group discussions, small group This is achieved through .discussions, and interactive activities To encourage active participation and the exchange of ideas among students an be used to teach studentsCase study and analysis: Criminal case studies c - and research projects: Students can be encouraged to participate in Discussions - discussions A collection on specific topics	strategy
---	-----------------

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Definition and concept of organized crime	Student knowledge organized crime	2	the first
choice –Using multiple .tests and Written articles .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Conditions for the existence of organized crime	Student knowledge Circumstances of the crime	2	the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Methods of measuring organized crime	Student knowledge Methods of measuring crime	2	the third

choice –Using multiple .tests	Active learning strategy with pictures	Motives of organized crime	Student knowledge	2	Fourth
Written articles and .reports	Available options, simulations, and practical visits		Motives for the crime		
choice –Using multiple .tests	Active learning strategy with pictures	Methods of researching the causes of organized crime	Student knowledge	2	Fifth
Written articles and .portsre	Available options, simulations, and practical visits		Methods of investigating organized crime		
choice –Using multiple .tests	Active learning strategy with pictures	Organized crime from a sociological perspective	Understanding organized crime from a social perspective	2	Sixth
articles and Written .reports	Available options, simulations, and practical visits				
choice –multiple Using .tests	Active learning strategy with pictures	The link between organized crime and social problems	Student knowledge	2	Seventh
Written articles and .reports	Available options, simulations, and practical visits		The link between crime social problems		
choice–Using multiple .tests	Active learning strategy with pictures	Reasons for profit in	Knowing the reasons	2	

Written articles and .reports	Available options, simulations, and practical visits	organized crime	Gain from crime		Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and visits practical	Theories explaining the causes of organized crime	Knowledge of theories The interpreter of the crime The organization	2	Ninth
choice –Using multiple .tests Written articles and .reports	Active learning pictures strategy with Available options, simulations, and practical visits	The relationship between organized crime and professional crime	Understanding the relationship between organized crime And the professional	2	tenth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Social control in combating organized crime	Understanding social control	2	eleventh

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Addressing organized crime in Iraqi criminal law and methods of investigating it	The student's knowledge of how to deal with organized crime	2	the second ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Patterns of organized crime	Understanding organized crime patterns	2	the third ten
choice –Using multiple .tests Written articles and .reports	learning Active strategy with pictures Available options, simulations, and practical visits	Domestic terrorism and international terrorism	Student knowledge terrorism	2	fourteenth
choice –Using multiple .tests Written articles and .reports	Active learning with pictures strategy Available options, simulations, and practical visits	–Counter terrorism in international agreements	How to combat terrorism	2	fifteenth

11. Course evaluation

The grade out of 100 is distributed according to the tasks assigned to the student, such as daily preparation,

.daily, oral, monthly, and written exams, reports, etc	
12. Learning and teaching resources	
ed, Organized Crime, Dar Al Nahda Al Arabiya, Cairo, Huda Ham .1999	Required textbooks (methodology, if (applicable
Mohamed Hassan Khamou, The Role of International -Kutub Al-Organizations in Combating Organized Crime, Dar Al .Qanuniyya, Egypt, 2018	(Main references (sources
-Kutub Al-Roumi, Organized Crime, Dar Al-Mohamed Amin Al .Qanuniyya, Egypt, 2020	Recommended supporting books and references (scientific journals, (...reports
Iraqi Virtual Library	Electronic references, websites
1. Course Name	
Ba'ath Party crimes	
2. code Course	
3. Year /Semester	
First Semester – Second Year	
4. description was prepared Date this	
2026/6/15	
5. forms of attendance Available	
a lecture	
6. (Number of study hours (total) / Number of units (total	
2/30	
7. .(it if there is more than one, please mention) Name of the course coordinator	
Nazem Fares's Spectrum Taif.nadhem.idi9@atu.edu.iq	
8. objectives Course	
Informing the student about the crimes committed .by the Baath Party against Iraqis	Course objectives

9. strategies Teaching and learning

: learning Interactive the use of group discussions, small group This is achieved through .discussions, and interactive activities To encourage active participation and the exchange of ideas among students projects: Students can be encouraged to participate in and research Discussions - discussions A collection on specific topics	strategy
---	-----------------

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Definition of crimes and their types	Student knowledge crimes	2	the first
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Ba'ath Party crimes According to the Iraqi High Criminal Court Law of 2005	Student knowledge Crimes committed by the defunct Ba'ath Party	2	the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options,	Baathist regime violations of public rights	Student's awareness of violations	2	the third

.reports	simulations, and practical visits	and freedoms			
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Psychological crimes	Student knowledge Psychological crimes committed by the defunct Ba'ath Party	2	Fourth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	social crimes	Student knowledge Social crimes committed by the defunct Ba'ath Party	2	Fifth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The position of the Ba'athist regime From religion	Student knowledge Religious crimes committed by the defunct	2	Fifth

			Ba'ath Party		
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Violations of Iraqi laws	Student knowledge With the violations committed by the defunct Ba'ath Party	2	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, practical simulations, and visits	Decisions of the defunct Ba'ath Party	Student knowledge By the decisions made by the defunct Ba'ath Party	2	Seventh
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	prison locations	The student's knowledge of prison facilities	2	Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical	Environmental crimes	Student knowledge Environmental crimes	2	

	visits		committed by the defunct Ba'ath Party		Ninth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Use of internationally prohibited weapons and environmental pollution	The student's knowledge of the weapons used by the Ba'ath Party	2	tenth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	scorched earth policy	Student knowledge The land policy perpetrated by the defunct Ba'ath Party	2	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy pictures with Available options, simulations, and practical visits	Draining the marshes and tribal migration	Student knowledge of marsh draining	2	the second ten

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Destruction of the agricultural environment animals, and and radioactive pollution	The student knows how the Ba'ath destroyed the .environment	2	the third ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	mass graves	Identifying the mass graves created by the former regime	2	Fourth ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Classification of mass graves	Knowing the classification of graves	2	Fifth ten

11. Course evaluation	
student, such as daily preparation, The grade out of 100 is distributed according to the tasks assigned to the .daily, oral, monthly, and written exams, reports, etc	
12. Learning and teaching resources	
The book "Crimes of the Ba'ath Regime in Iraq" was published by .of Higher Education and Scientific Research the Iraqi Ministry	Required textbooks (methodology, if (applicable
	(Main references (sources
	Recommended supporting books and references (scientific journals, (...reports
Iraqi Virtual Library	Electronic references, websites

1. Course Name
Fingerprints and impressions
2. code Course
3. Year /Semester
Second Semester – Second Year
4. description was prepared Date this
2026/6/15
5. forms of attendance Available
a lecture
6. (Number of study hours (total) / Number of units (total
6/90

7. (is more than one, please mention it if there) Name of the course coordinator					
M. Ali Majeed Khalil ali.khaleel.idi19@atu.edu.iq					
8. objectives Course					
- Learn how to handle and preserve prints and fingerprints - fingerprints and prints as a means of Using proving or disproving the identity of accused persons in criminal and civil cases				Course objectives	
9. Teaching and learning strategies					
: learning Interactive the use of group discussions, small This is achieved through group discussions, and interactive activities To encourage active participation and the exchange of ideas among students Case study and analysis: Criminal case studies can be used to teach students - couraged to participate in and research projects: Students can be en Discussions - discussions A collection on specific topics					strategy
10. Course structure					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple tests Written articles and reports	Active learning strategy with pictures Available options, simulations, and practical visits	history of A brief fingerprints and their connection to the detective	Student knowledge Date of prints and imprints	2	the first
choice –Using multiple tests	Active learning strategy with	Diagnostic methods, past	Knowledge of methods	2	

Written articles and .reports	pictures Available options, simulations, and practical visits	and present; the modern concept of the crime scene	Diagnosis		the second
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Utilizing fingerprints: The importance of fingerprint and palm prints at a crime scene	Student knowledge The importance of fingerprints at a crime scene	2	the third
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Advantages of fingerprints: visible and hidden evidence at a crime scene	Knowing the advantages of the fingers	2	Fourth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, and ,simulations practical visits	Fingerprint recording; methods of transferring fingerprint traces	How to take notes Fingerprints	2	Fifth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and	Parts of a fingerprint; physical methods of transferring artifacts	Knowledge of the physical methods used to transport artifacts	2	Sixth

	practical visits				
choice –Using multiple .tests Written articles and .reports	Active learning with strategy pictures Available options, simulations, and practical visits	Fingerprint patterns; chemical methods of transferring artifacts	Understanding Fingerprint Shapes	2	Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Classification of ten fingerprints; classification of fingerprints single	Understanding the classification of ten fingerprints	2	Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	of Methods transporting –blood contaminated artifacts	Understanding the methods of transporting –blood contaminated artifacts	2	Ninth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations , and practical visits	transport How to artifacts contaminated with grease and dirt	How to transport contaminated artifacts	2	tenth

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Modern methods for treating hidden stains on colored –multi surfaces	Understanding modern for methods treating hidden effects	2	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The role of citizens in preserving evidence at a crime scene	How to preserve antiquities	2	second the ten
choice –Using multiple .tests articles and Written .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Tooth, lip, and ear marks, as opposed to fingerprints	Understanding the effects of teeth, lips, and ears	2	the third ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Footprints, wheel tracks, and comparisons	Understanding footprints	2	Fourth ten
choice–Using multiple .tests Written articles and	Active learning strategy with pictures	The connection between fingerprints and	Understanding the relationship	2	Fifth ten

.reports	Available options, simulations , and practical visits	the detective	between fingerprints By the investigator		
11. Course evaluation					
The grade out of 100 is distributed according to the tasks assigned to the student, such as daily .preparation, daily, oral, monthly, and written exams, reports, etc					
12. Learning and teaching resources					
Mohamed El Shenawy, Fingerprints and their role in criminal .evidence, Dar El Fekr El Jami'i, Cairo, 2008			Required textbooks (methodology, if (applicable		
Mahmoud Naguib Hosni, Criminal Evidence with Scientific and .Evidence, Dar Al Nahda Al Arabiya, Cairo, 2005 Technical			(Main references (sources		
Mahmoud Naguib Hosni, Criminal Evidence with Scientific and .Technical Evidence, Dar Al Nahda Al Arabiya, Cairo, 2005			Recommended supporting books and references (scientific journals, (...reports		
Iraqi Virtual Library			references, websites Electronic		

1. Course Name	
Toxins and drugs	
2. code Course	
3. Year /Semester	
Second Semester – Second Year	
4. description was prepared Date this	
2026/6/15	
5. forms of attendance Available	
a lecture	
6. (study hours (total) / Number of units (total Number of	
6/90	
7. .(if there is more than one, please mention it) Name of the course coordinator	
Dr. Safa Musir Kamoush Safa.kamosh@atu.edu.iq	
8. objectives Course	
• To provide the student with sufficient knowledge to understand toxins and drugs and how to deal .with different types of toxins • Knowing the methods used to investigate it, as .well as identifying the devices used in diagnosis • reports on toxicology and drug How to write .testing at a crime scene	objectives Course
9. Teaching and learning strategies	
: learning Interactive the use of group discussions, small group This is achieved through	strategy

.discussions, and interactive activities participation and the exchange of ideas among students To encourage active Case study and analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - discussions picsA collection on specific to	
---	--

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Historical introduction. Toxicology. Toxic substance. Forensic toxicology. Accidental poisoning. Initial forensic medical .report. Crime scene	Student knowledge toxicology	2	the first
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Legal models in criminal poisoning cases	Student information On legal models	2	the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Alcohol and crime: Toxic homosexual alcohol	Student knowledge alcohol poisoning	2	the third

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Volatile substances: white oil, ether, benzene	Student knowledge With volatile substances	2	Fourth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	gases: Coal Toxic gas (carbon (monoxide	Student knowledge With toxic gases	2	Fifth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Sewage gas, cyanide hydrogen gas and its salts	Student knowledge with sewer gas	2	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	/ Insecticides Organophosphorus / Organochlorine compounds	Student knowledge with insecticides	2	Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options,	rat poisons	Student knowledge With rat poison	2	Eighth

	simulations, and practical visits				
choice –Using multiple .tests Written articles and .reports	Active learning with strategy pictures Available options, simulations, and practical visits	Drugs: cannabis, opium, cocaine	Student knowledge with drugs	2	Ninth
choice –Using multiple .tests Written articles and .reports	learning Active strategy with pictures Available options, simulations, and practical visits	Psychotropic substances, sedatives, stimulants, hypnotics	Student knowledge With psychoactive substances	2	tenth
choice –Using multiple .tests Written articles and .reports	learning Active strategy with pictures Available options, simulations, and practical visits	Heavy metals: mercury, arsenic, thallium, lead	Student knowledge heavy metals	2	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Acids and bases, alkalis, sulfuric acid, bleaching ,nitric acid solution	Student knowledge With acids	2	the second ten

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Poisonous plants, strychnine, ,atropine and arkote	Student knowledge poisonous plants	2	the third ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	toxins, Miscellaneous insulin, digoxin, poisonous mushrooms	Student knowledge With scattered poisons	2	Fourth ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and visits practical	The theoretical foundations of the operation of diagnostic equipment such as chromatography , spectrophotometry , and gas toxicology .devices	Student knowledge Based on theoretical principles Toxicology devices	2	Fifth ten
11. Course evaluation					
The grade out of 100 is distributed according to the tasks assigned to the student, such as daily preparation, .daily, oral, monthly, and written exams, reports, etc					
12. Learning and teaching resources					
1-Klaassen, Curtis D. (Editor). (2019). Casarett & Doull's Toxicology: The Basic Science of Poisons (9th ed.). New York: McGraw-Hill Education. NCB			Required textbooks (methodology, if (applicable		
Nelson, Lewis S., Hoffman, Robert S., Howland, Mary Ann,			(sources) Main references		

146

Lewin, Neal A., Goldfrank, Lewis R., & Smith, Silas W. (2019). Goldfrank's Toxicologic Emergencies (11th ed.). New York: McGraw-Hill Education.	
Hart, Carl L., Ksir, Charles, & Ray Oakley. (2010). Drugs, Society, and Human Behavior (14th ed.). New York: McGraw-Hill Education	Recommended supporting books and scientific journals,) references (...reports
Iraqi Virtual Library	Electronic references, websites
1. Course Name	
falsification Forgery and	
2. code Course	
3. Year /Semester	
Second Semester – Second Year	
4. description was prepared Date this	
2026/6/15	
5. forms of attendance Available	
a lecture	
6. (Number of study hours (total) / Number of units (total	
3/45	
7. .(if there is more than one, please mention it) Name of the course coordinator	
Hassanein Ali Hadi .Dr Hassanein.hadi@atu.edu.iq	
8. objectives Course	
• crime of forgery and The student's knowledge of the .counterfeiting • Informing the student about how the crime of .forgery and counterfeiting occurs • How to deal with the crime of forgery and .counterfeiting	Course objectives
9. Teaching and learning strategies	

: learning Interactive the use of group discussions, small group This is achieved through .discussions, and interactive activities To encourage active participation and the exchange of ideas among students dentsCase study and analysis: Criminal case studies can be used to teach stu - and research projects: Students can be encouraged to participate in Discussions - discussions . A collection based on specific topics	strategy
---	-----------------

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Documents, their characteristics, types, components, writing materials used throughout the ages, and their tools up to .modern history	Student knowledge With documents	2	the first
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Document forgery, its definitions, methods of physical and moral forgery, forms of forgery, methods of detecting	Knowing how to forge	2	the second

		erasure, and attempts to .reveal writing			
choice –Using multiple .tests Written articles and .ortsrep	Active learning strategy with pictures Available options, simulations, and practical visits	The complete physical forgery occurs on that documents, its methods, and the study of handwriting and the scientific methods used to .compare it	Student knowledge By physical forgery	2	the third
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The study of handwriting, its calculation, contributing factors, its unnatural characteristics, the theory of individual handwriting, comparison models, the writing process, and the comparison .method	Student knowledge Writing methods	2	Fourth

choice –ultipleUsing m .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Comparing handwriting and its ,characteristics the preliminary results of examining it, studying signatures, their definitions, stages of their emergence, writing styles, and their relationship to .sizes	Student knowledge By comparison	2	Fifth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The study of signatures, their types, forms, methods of forgery, the process of examining them, the changes that occur in them, and signing blank .documents	Knowledge and understanding Types of signatures	2	Sixth
choice –Using multiple .tests	Active learning strategy with pictures	A study of typewriter fonts,	Knowledge and	2	

Written articles and .reports	ns, Available optio simulations, and practical visits	research intersections, general brand features, distinctive marks for each machine, methods for identifying the typewriter's personality, and the process of .taking samples	understanding For machine lines		Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Examination and comparison of seals, methods of preparing and forging molds, the nature of seal materials, printing and machines and .their types	Student knowledge How to check	2	Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, d simulations, an practical visits	Revealing writing on burnt documents, preparing them for presentation, factors affecting their success,	Student knowledge How to display the text	2	Ninth

		methods of revealing them, and revealing latent writing and its various .forms			
choice –Using multiple .tests Written articles and .reports	learning Active strategy with pictures Available options, simulations, and practical visits	Revealing invisible writing and its methods, counterfeiting currency , and methods of counterfeiting coins and .banknotes	Displaying the text is not hypocrisy	2	tenth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Types of currency counterfeiting, examining dollars genuine and banknotes, examining counterfeit coins and paper money, and methods of .combating them	Student knowledge Types of forgery	2	atheistic ten
choice –Using multiple .tests Written articles and	Active learning with pictures strategy Available options,	Technical protection methods for banknotes and	Student knowledge Technical protection	2	

.reports	simulations, and practical visits	checks, methods of forgery and ways to detect them in documentary documents, and material and moral forgery .therein	methods		the second ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Specifications and design of the passport, its security and administrative safeguards, and a study of forgery and counterfeiting .using scanners	Student knowledge of passport specifications and design	2	the third ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Magnetic plastic subscription cards: description and production methods	Understanding magnetic plastic subscription cards	2	Fourth ten

choice –Using multiple .tests	Active learning strategy with pictures	Types of cards, their tamperability, telltale signs, security measures, and methods of .verification	Understanding card types	2	Fifth ten
Written articles and .reports	Available options, simulations, and practical visits				

11. Course evaluation

The grade out of 100 is distributed according to the tasks assigned to the student, such as daily preparation, .reports, etc ,daily, oral, monthly, and written exams

12. Learning and teaching resources

Mohammed Sobhi Najm, Crimes of Forgery and Use of Forged Documents, Dar Al Thaqafa for Publishing and Distribution, Amman, .2009	Required textbooks (methodology, if (applicable
Mahmoud Mahmoud Mustafa, Crimes of Forgery in Official and .Arabiya, Cairo, 2004-Nahda Al-Customary Documents, Dar Al	(Main references (sources
Mohammed Sobhi Najm, Crimes of Forgery and Use of Forged cuments, Dar Al Thaqafa for Publishing and Distribution, Amman, Do .2009	Recommended supporting books and references (scientific journals, (...reports
Iraqi Virtual Library	Electronic references, websites

1. Course Name

Traffic accidents

2. code Course

3. Year /Semester

Second Semester – Second Year

4. description was prepared Date this

2026/6/15

5. forms of attendance Available

a lecture

6. (Number of study hours (total) / Number of units (total

5/75

7. .(if there is more than one, please mention it) Name of the course coordinator

Muhammad Haidar Ali .M.M

8. objectives Course

objectives Course

- **.Introducing the student to traffic law**
- **To make the student understand the requirements .of driving and the rules and priorities of traffic**
- **.How to investigate traffic accidents**

9. Teaching and learning strategies

strategy

: learning Interactive the use of group discussions, small group This is achieved through .discussions, and interactive activities

To encourage active participation and the exchange of ideas among students

students Case study and analysis: Criminal case studies can be used to teach -

and research projects: Students can be encouraged to participate in Discussions - discussions

A collection on specific topics

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and	Historical and introductory information	Student knowledge With historical information	1	first the

	practical visits		About traffic		
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and .practical visits	Traffic terms	Student knowledge In terms Traffic	1	the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Traffic Law No. of 2019 AD (8)	Student knowledge Traffic law The influential Iraqi	1	the third
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Key factors in accidents	Knowing the reasons Accidents	1	
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Driving requirements and the driver's physical and mental condition	Knowing the requirements Leadership	1	Fourth

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Rules and principles of passing	Student knowledge With the principles of passing	1	Fifth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Traffic rules and priorities	Student's knowledge of the rules of precedence	1	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and . practical visits	Traffic rules and priorities	Student's knowledge of the rules of precedence	1	Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	International signs: traffic their types and meanings	Student knowledge With traffic signs	1	Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	International signs: traffic their types and meanings	Student knowledge With traffic signs	1	Ninth

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Speed and driving in difficult conditions	Knowing how Driving under difficult conditions	1	tenth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Types of accidents and forms of collisions	Student knowledge Types of accidents	1	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	How to determine the of the speed vehicles involved in the accident	How to determine speed	1	the second ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Traffic accident investigation	How to investigate In traffic accidents	1	the third ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and	Traffic accident investigation	How to investigate In traffic accidents	1	Fourth ten

	practical visits				
choice –Using multiple .tests Written articles and .reports	learning Active strategy with pictures Available options, simulations, and practical visits	Rules of Investigation	How to investigate In traffic accidents	1	Fifth ten

11. Course evaluation

daily preparation, The grade out of 100 is distributed according to the tasks assigned to the student, such as .daily, oral, monthly, and written exams, reports, etc

12. Learning and teaching resources

The current Iraqi Traffic Law No. 8 of 2019	Required textbooks (methodology, if applicable)
Mediator in Explaining Traffic Law, Muawad Abdel Tawwab, The .Legal Library, Baghdad	(Main references (sources
The current Iraqi Traffic Law No. 8 of 2019	Recommended supporting books and references (scientific journals, (...reports
Iraqi Virtual Library	Electronic references, websites

1. Name Course

Report writing

2. code Course					
3. Year /Semester					
Second Semester – Second Year					
4. description was prepared Date this					
2026/6/15					
5. forms of attendance Available					
a lecture					
6. (Number of study hours (total) / Number of units (total					
4/60					
7. .(if there is more than one, please mention it) Name of the course coordinator					
M.M. Taif Nazim Fares Taif.nadhemi9@atu.edu.iq					
8. objectives Course					
• write Introducing the student to how to approved reports in criminal investigation and .forensic evidence				Course objectives	
9. Teaching and learning strategies					
: learning Interactive the use of group discussions, small group This is achieved through .discussions, and interactive activities encourage active participation and the exchange of ideas among students To Case study and analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - discussions n on specific topicsA collectio					strategy
10. Course structure					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Complaints and reports should be directed to authorized .personnel	Knowledge and understanding	1	the first
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Investigation stations and recording witness testimonies	Knowledge and understanding	1	the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The reports that the investigator submits to the investigating judge regarding a complaint	Knowledge and understanding	1	the third
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Detection stations for criminal investigation experts and an explanation of their terminology	Knowledge and understanding	1	Fourth
choice –Using multiple .tests	Active learning strategy with	Detection stations for	Knowledge and	1	

Written articles and .reports	pictures Available options, simulations, and practical visits	explosives and fire experts and an explanation of their terminology	understanding		Fifth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Reports from experts in detecting forgery and counterfeiting	Knowledge and understanding	1	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Reports from forensic experts: their types and a detailed .explanation	Knowledge and understanding	1	Seventh
choice –Using multiple .tests and Written articles .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Reports regarding the request for criminal records of defendants and criminals	Knowledge and understanding	1	Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and	Reports from the General Directorate of Traffic regarding vehicle accidents	Knowledge and understanding	1	Ninth

	practical visits				
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Reports on the disclosure of meaning	Knowledge and understanding	1	tenth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	notification form and arrest warrant	Knowledge and understanding	1	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Referral decisions and case separation	Knowledge and understanding	1	the second ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Final report on the lawsuit	Knowledge and understanding	1	the third ten

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Court decisions enforcement and orders	Knowledge and understanding	1	Fourth ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Methods of challenging court ,decisions appeals, cassation, and correcting cassation decisions	Knowledge and understanding	1	Fifth ten

11. Course evaluation

The grade out of 100 is distributed according to the tasks assigned to the student, such as daily .preparation, daily, oral, monthly, and written exams, reports, etc

12. Learning and teaching resources

Shalqani, Forensic Evidence and Crime -Shawky Al Ahmed .Jami'i, Alexandria, 2014-Fikr Al-Scene, Dar Al	Required textbooks (methodology, if (applicable
Farij, Forensic Evidence and Criminal -Mohammed Abdullah Al .Investigation, Naif Arab Academy, Saudi Arabia, 2008	(Main references (sources
Shalqani, Forensic Evidence and Crime -Ahmed Shawky Al .Jami'i, Alexandria, 2014-Fikr Al-Scene, Dar Al	supporting books and Recommended (...references (scientific journals, reports
Iraqi Virtual Library	Electronic references, websites

1. Course Name	
defensive skills	
2. code Course	
3. Year /Semester	
Second Semester – Second Year	
4. description was prepared Date this	
2026/6/15	
5. forms of attendance Available	
a lecture	
6. (Number of study hours (total) / Number of units (total	
5/75	
7. (if there is more than one, please mention it) Name of the course coordinator	
M. Hamad Ghatar Dayekh mohammed.gdaiek.idi7@atu.edu.iq	
8. objectives Course	
• .defensive skills Teaching the student • .How to use defensive skills • How to employ defensive skills to preserve people's .lives	Course objectives
9. Teaching and learning strategies	

: learning Interactive the use of group discussions, small group This is achieved through .and interactive activities ,discussions To encourage active participation and the exchange of ideas among students Case study and analysis: Criminal case studies can be used to teach students - pate in and research projects: Students can be encouraged to partici Discussions - discussions . A collection based on specific topics	strategy
--	-----------------

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and .reports	Active learning pictures strategy with Available options, simulations, and practical visits	Inspecting people	Teaching students how	1	the first
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures ,Available options simulations, and practical visits	Wheel inspection	Teaching students how to inspect wheels	1	the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, and ,simulations practical visits	combing agricultural areas	Teaching students how to comb agricultural areas	1	the third

choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	–combing built up areas	Teaching students about up areas–built	1	Fourth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Freeing the hostages	teaching students	1	Fifth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Stages of police operation planning	teaching students	1	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Procedures required before implementing the defense plan	Teaching students the procedures required before implementing the defense plan	1	Seventh
choice –multiple Using .tests	Active learning strategy with pictures	Procedures during the	Teaching students the		

Written articles and .reports	Available options, simulations, and practical visits	implementation of the defense plan	procedures during the implementation of the defense plan		Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Good assertiveness qualities during the execution of defensive skills	Teaching students good assertiveness qualities while performing defensive skills	1	Ninth
choice –Using multiple .tests Written articles and .reports	Active learning with pictures strategy Available options, simulations, and practical visits	Principles of defensive skills management	Teaching students the fundamentals of defensive skills management	1	tenth
choice –Using multiple .tests Written articles and .reports	learning Active strategy with pictures Available options, simulations, and practical visits	To whom do we delegate or ?give authority	To whom do we delegate or give authority to teach ?students	1	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and	How do we delegate ?authority	Teaching students how to delegate authority	1	second the ten

	practical visits				
choice –Using multiple .tests Written articles and .reports	Active learning with pictures strategy Available options, simulations, and practical visits	When do we delegate ?authority	Teaching students when to delegate authority	1	the third ten
choice –Using multiple .tests Written articles and .reports	learning Active strategy with pictures Available options, simulations, and practical visits	Problems and obstacles to delegation	Teaching students about the problems and obstacles of delegation	1	Fourth ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Characteristics of a good decision	Teaching students the characteristics of a good decision	1	Fifth ten

11. Course evaluation

such as daily ,The grade out of 100 is distributed according to the tasks assigned to the student .preparation, daily, oral, monthly, and written exams, reports, etc

12. Learning and teaching resources

-Muhaymin Bakr, Criminal Evidence Procedures, Dar Al-Abdul .Arabiya, 1997-Nahda Al	Required textbooks (methodology, if (applicable
Rakhawi, Search Permit in Criminal -Mohamed Kamal Arafa Al .Arabiya, 2023-Nahda Al-Procedures, Dar Al	(references (sources Main
-Al Muhaymin Bakr, Criminal Evidence Procedures, Dar-Abdul .Arabiya, 1997-Nahda Al	Recommended supporting books and references (scientific journals, (...reports

1. Course Name

Professional conduct

2. code Course

3. Year /Semester

Second Semester – Second Year

4. description was prepared Date this

2026/6/15

5. attendance forms of Available

a lecture

6. (Number of study hours (total) / Number of units (total

2/30

7. (if there is more than one, please mention it) Name of the course coordinator

Noor Qasim Hussein noor.hussain.idi11@atu.edu.iq

8. objectives Course

- Introducing the student to the basic principles of .professional conduct
- How to deal with his profession and achieve .harmony with himself
- How to deal with other people, including .colleagues and clients

Course objectives

9. Teaching and learning strategies

: learning Interactive the use of group discussions, small group This is achieved through .discussions, and interactive activities

ideas among students To encourage active participation and the exchange of

strategy

Case study and analysis: Criminal case studies can be used to teach students -
and research projects: Students can be encouraged to participate in Discussions -
discussions
. A collection based on specific topics

10. Course structure

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Principles of professional ethics in the stages of civilizational development / Islamic civilization / Etiquette of dealing with patients in hospitals from ancient times until now	Knowledge and understanding	2	first the
ice cho–Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Professional its –conduct definition, concept, and practical –applications the relationship between	Knowledge and understanding	2	the second

		employees and their superiors			
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, and practical ,simulations visits	Basic professional ethics / Characteristics of professional ethics as a guide and mentor for behavior	Knowledge and understanding	2	the third
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	How to employ professional ethics from a position of influence on an individual's behavior, emotions, and –decision making ability	Knowledge and understanding	2	Fourth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Characteristics and attributes of healthcare –professionals general appearance, behavior, and commitment	Knowledge and understanding	2	Fifth

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Patient's moral legal and rights	Knowledge and understanding	2	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Dealing with the patient and their companions according to their behavior	Knowledge and understanding	2	Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Human behavioral –patterns interactive and // –collective –Definition –Nature –Motives Interpretation	Knowledge and understanding	2	Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Linguistic and linguistic –non communication methods: definition, types, effects, and designing successful	Knowledge and understanding	2	Ninth

		.methods			
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Behavioral trends and tendencies: definition, classification, and influencing .factors	Knowledg e and understan ding	2	tenth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures ,Available options simulations, and practical visits	Values, customs, and traditions: Definition, classification, and influencing .factors	Knowledg e and understan ding	2	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy pictures with Available options, simulations, and practical visits	Personality types and how to deal with them / Definition of –personality its types	Knowledg e and understan ding	2	the second ten
choice –Using multiple .tests ticles and Written ar .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Conditions for embodying mental health –Definition // Factors –affecting it	Knowledg e and understan ding	2	the third ten

		–Prevention The role of mental health –in illnesses Conditions for professional compatibility and its relationship to work			
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures options, Available simulations, and practical visits	Patient interaction –behavior Receiving and dealing with the patient and maintaining professional confidentiality/ preserving patient privacy	Knowledg e and understand ing	2	Fourth ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The proper handling of medical devices and equipment / requirements and their preparation for ,daily use	Knowledg e and understand ing	2	Fifth ten

		maintenance and upkeep to preserve them			
--	--	---	--	--	--

11. Course evaluation

according to the tasks assigned to the student, such as daily The grade out of 100 is distributed
.preparation, daily, oral, monthly, and written exams, reports, etc

12. Learning and teaching resources

Workplace Conduct, Cairo, Aghadir Salem, Professional Ethics and .2014	Required textbooks (methodology, if (applicable
.Hayari, Professional Ethics, 1983-Rashid Abdul Hamid, Ahmed Al	(Main references (sources
Conduct, Cairo, Aghadir Salem, Professional Ethics and Workplace .2014	Recommended supporting books and references (scientific journals, (...reports
Iraqi Virtual Library	Electronic references, websites

13. Course Name

Computer / Artificial Intelligence

14. code Course

15. Year /Semester

Second Semester – Second Year

16. description was prepared Date this

2026/6/15

17. of attendance forms Available

a lecture

18. (Number of study hours (total) / Number of units (total)					
3/45					
19. (if there is more than one, please mention it) Name of the course coordinator					
M.M. Maryam Alaa Abdul Hussein Maryam.abdulhussein.idi6@atu.edu.iq					
20. objectives Course					
- Introducing the student to how to use a computer - Teaching students how to handle data, applications, and search the internet - Introducing the student to artificial intelligence and its importance			Course objectives		
21. Teaching and learning strategies					
: learning Interactive the use of group discussions, small group This is achieved through discussions, and interactive activities encourage active participation and the exchange of ideas among students To Case study and analysis: Criminal case studies can be used to teach students - and research projects: Students can be encouraged to participate in Discussions - discussions . n based on specific topicsA collectio					strategy
22. Course structure					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
choice –Using multiple tests Written articles and reports	Active learning strategy with pictures Available options, simulations, and practical visits	Security and Networking: What is a network? Types of networks. Basic network components.	Knowledge and understanding	1	the first
choice –Using multiple tests	Active learning strategy with	Security and Networking (Cont.):	Knowledge and	1	

Written articles and .reports	pictures Available options, simulations, and practical visits	Network Security Basics. Understanding network threats.	understanding		the second
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	E–Commerce: Concepts of Electronic banking services (online banking, ATM and debit card services, Phone banking, SMS banking, electronic alert, Mobile banking).	Knowledge and understanding	1	the third
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations , and practical visits	Computer Troubleshooting: Identifying and solving common hardware and software problems that computer users encounter.	Knowledge and understanding	1	Fourth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Computer Troubleshooting (Cont.): Basic troubleshooting techniques and tools for diagnosing and resolving issues.	Knowledge and understanding	1	Fifth

choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Introduction to AI: Definition of AI, History of AI, AI Techniques and Approaches.	Knowledge and understanding	1	Sixth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Introduction to AI (Cont.): Key Characteristics of AI, Benefits of AI, Challenges and Ethical Considerations.	Knowledge and understanding	1	Seventh
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The Role of AI in Modern Smartphones: AI–Driven Mobile Technologies, Virtual Assistants (Siri, Google Assistant, Alexa).	Knowledge and understanding	1	Eighth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	The Role of AI in Modern Smartphones (Conn.): Adaptive Learning, Real–Time Translation Services.	Knowledge and understanding	1	Ninth
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options,	Applications and Tools of AI: Overview of AI Applications in	Knowledge and understanding	1	tenth

	simulations, and practical visits	Various Industries, Education and Healthcare.			
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Applications and Tools of AI (Cont.): Transportation, Marketing and Advertising.	Knowledge and understanding	1	atheistic ten
choice –Using multiple .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Applications and Tools of AI (Cont.): Finance, Robotics and Automation Technologies.	Knowledge and understanding	1	the second ten
choice –Using multiple .tests Written articles and .ortsrep	Active learning strategy with pictures Available options, simulations, and practical visits	AI and Society: How AI affects social, international relations, and the future of humanity.	Knowledge and understanding	1	the third ten
choice –multiple Using .tests Written articles and .reports	Active learning strategy with pictures Available options, simulations, and practical visits	Ethical Challenges in AI: AI ethics, privacy and surveillance, the impact of AI on the job market.	Knowledge and understanding	1	Fourth ten
choice –Using multiple .tests Written articles and	Active learning strategy with pictures	The Future of AI: Future trends in AI, recent research and	Knowledge and understanding	1	Fifth ten

.reports	Available options, simulations, and practical visits	emerging technologies.			
----------	--	------------------------	--	--	--

23. Course evaluation

The grade out of 100 is distributed according to the tasks assigned to the student, such as daily .reports, etc ,preparation, daily, oral, monthly, and written exams

24. Learning and teaching resources

Fundamentals of Artificial Intelligence and Computing by Dr. Ali Al-Jubouri (4th Edition)	Required textbooks (methodology, if applicable)
Introduction to Modern AI Engineering by Prof. Nadia Al-Tamimi (2nd Edition)	(Main references (sources
Fundamentals of Artificial Intelligence and Computing by Dr. Ali Al-Jubouri (4th Edition)	Recommended supporting books and (...references (scientific journals, reports
arylraqi Virtual Libr	Electronic references, websites