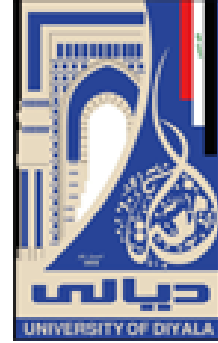


جامعة ديالى

University of Diyala



First Cycle – Bachelor’s Degree (B.Sc.) – Forensic Evidence

بكالوريوس – ادلة جنائية



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1. Overview

This catalogue is about the courses (modules) given by the program of Forensic Evidence to gain the Bachelor of forensic evidence science degree. The program delivers (48) Modules with (6000) total student workload hours and 240 total ECTS. The module delivery is based on the Bologna Process.

نظرة عامه

يتناول هذا الدليل المواد الدراسية التي يقدمها برنامج قسم الأدلة الجنائية للحصول على درجة بكالوريوس علوم ادلة جنائية. يقدم البرنامج (48) مادة دراسية ، مع (6000) إجمالي ساعات حمل الطالب و (240) إجمالي وحدات أوروبية. يعتمد تقديم المواد الدراسية على عملية بولونيا.

2. Undergraduate Courses 2025-2026

Module 1

Code	Course/Module Title	ECTS	Semester
FOR-1101	Fundamental of Forensic Sciences	8	1
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	2,0,0,0,2	63	137
Description			
Fundamental of Forensic Science is the application of science to law. Forensic science is used to investigate criminal cases involving a victim, such as assault, robbery, kidnapping; rape, murder and civil cases such as forgeries, fraud, or negligence. Show understanding of the role of physical forensic methods in forensic practice. Demonstrate knowledge of the primary evidence types, their transfer and persistence. Demonstrate understanding of emerging developments in forensic science. Consider a broad range of forensic techniques to determine the examination strategy, sequencing, and probative value.			

Module 2

Code	Course/Module Title	ECTS	Semester
FOR-1102	General Biology 1	7	1
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,2,0	78	97
Description			
<p>This module gives students an understanding of the science and techniques that underpin forensic biology. Topics covered will include identification of biological fluids, the analysis the human genome in forensic biology, blood stain pattern analysis and forensic anthropology. Material covered in lectures will be illustrated through lab work. Highlight in most theories that was deal with biology system for live.</p> <p>Our aim is to provide students with opportunities to develop academically, professionally and personally: to broaden their ambitions, extend their attitudes, challenge their assumptions, and assist towards unlocking their potential to succeed in their studies and future lives.</p>			

Module 3

Code	Course/Module Title	ECTS	Semester
FOR- 1103	General Chemistry	7	1
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	2,0,3,0,2,0	78	97
Description			
<p>general chemistry aims to help students understand how atomic and molecular structure determines chemical behavior; apply core principles such as stoichiometry, periodic trends, thermodynamics, kinetics, equilibria, and acid–base chemistry; use quantitative reasoning to solve chemical problems; interpret and predict chemical reactions; develop scientific and analytical thinking through data interpretation and modeling; gain competence in laboratory techniques, measurement, and error analysis; and connect chemical concepts to real-world applications in fields like biology, materials science, and environmental science.</p>			

Module 4

Code	Course/Module Title	ECTS	Semester
FOR- 1104	Mathematics	4	1
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,2	48	52
Description			
Providing the student with mathematical and arithmetic information that will be the basic basis for developing mental and intellectual abilities in the field of specialization. Also developing the skills aspect through computers and mathematics together towards greater practical skills.			

Module 5

Code	Course/Module Title	ECTS	Semester
UD14	Democracy and Human Right	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,2	33	17
Description			
تعريف حقوق الانسان واهمية حقوق الانسان ،حقوق الانسان في الدين الاسلامي والحضارات القديمة. ، مصادر حقوق النسان الدولية الاقليمية والمحلية. ،ضمانات حقوق الانسان الدستورية والقانونية وضمانات حقوق الانسان ،ضمانات حقوق النسان في الاسلام ، دور المنظمات الاقليمية في حماية حقوق النسان. ، على الصعيد الدولي خصائص حقوق النسان وتعريف الحريات العامة وانواعه والمقارنة بينها وبين الحقوق ، القانون الدولي لحقوق ، العولمة . الانسان والقانون الدولي الانساني ومنظمة الصليب الاحمر. ، مستقبل حقوق الانسان وسبل تطويرها وحقوق الانسان . تعريف الديمقراطية وتطورها التاريخي ومبادئها ، الديمقراطية بين العالمية والخصوصية ، اشكال الديمقراطية / الديمقراطية المباشرة، الديمقراطية شبه المباشرة والديمقراطية التمثيلية / اركان النظام التمثيلي هيئة الناخبين، تنظيم عملية الانتخاب تحديد / اشكال النظام التمثيلي، المجلس النيابي وانواعه / الانتخاب وشروطه الدوائر الانتخابية / القوائم الانتخابية / المرشحون/ الحملة الانتخابية / التصويت ، نظام الانتخابات			

Module 6

Code	Course/Module Title	ECTS	Semester
UD12	Arabic Language1	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,2	33	17
Description			
<p>توضيح أهمية اللغة العربية وفوائدها بالنسبة للطالب الجامعي. اللغة، تفسير وتحليل أول عشرة آيات من سورة الكهف مع بيان فضل السورة وسبب تسميتها وأهم الأوجه البلاغية والنحوية. اللغة، تفسير وتحليل ثلاثة آيات من سورة الحجرات مع بيان فضل السورة وسبب تسميتها وأهم الأوجه البلاغية والنحوية. الأدب، تحليل ثلاثة عشر سطرًا من قصيدة سفر أيوب في الشعر الحر للشاعر العراقي بدر شاكر السياب مع حياة الشاعر وأهم الأوجه البلاغية والنحوية في القصيدة الأدب، تحليل ثمانية أبيات في الحماس للشاعر أبي الطيب المتنبي مع حياة الشاعر مع أهم الأوجه البلاغية والنحوية في القصيدة قواعد اللغة العربية وأهميتها: معرفة أقسام الكلام (الاسم والفعل والحرف وأهم علاماتها. قواعد اللغة العربية: النكرة والمعرفة أنواع المعارف (العلم) شرح موضوع (اسم العلم والاسم المركب مع الأمثلة. (الضمانر) شرح موضوع (ضمانر الرفع والنصب والجر) مع الأمثلة للغة، تفسير وتحليل سورة الأعلى مع بيان فضل السورة وسبب تسميتها وأهم الأوجه البلاغية والنحوية. الأدب، تحليل ثمانية أبيات من قصيدة كن بلسما للشاعر ايليا ابي ماضي مع حياة الشاعر مع أهم الحالات الاعرابية والبلاغية. قواعد اللغة العربية، شرح موضوع (اسماء الاشارة مع الأمثلة وحالات الاعراب، شرح موضوع المعرف بالإضافة مع الأمثلة وحالات الاعراب. شرح موضوع (الحال) معرفة الحال وصاحبها وما هي أنواع الحال مع الأمثلة قواعد اللغة العربية، شرح موضوع. وحالات الاعراب الاملاء في اللغة العربية، علامات الترقيم وأهميتها في اللغة العربية (العدد) معرفة تميز العدد وماهي اقسام العدد مع الأمثلة وحالات الاعراب الاملاء في اللغة العربية، احكام الهمزة (حمزة الوصل، حمزة القطع، كتابة الهمزة في وسط الكلمة. الاملاء في اللغة العربية احكام كتابة التاء المربوطة والمفتوحة والألف الممدودة والمقصورة</p>			

Module 7

Code	Course/Module Title	ECTS	Semester
FOR-1205	Legal regulation of the criminal expert	4	2
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	2,0,0,0,2	48	52
Description			
<p>Outputs One of the basic objectives set when teaching this course, which is related to the scientific outputs of the Forensic Evidence Department, includes the following paragraphs:</p> <p>Knowledge of legal and laws to make the students able to work under the law without any interference between the himself felling and the works in forensic place.</p>			

Module 8

Code	Course/Module Title	ECTS	Semester
FOR-1206	General Biology 2	7	2
Class (hr/w)	Lect/Lab./Prac./Tutor/semin.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,0,0	78	97
Description			
Outputs One of the basic objectives set when teaching this course, which is related to the scientific outputs of the Forensic Evidence Department, includes the following paragraphs Knowledge of General Biology with different classes and the influence of each item in the forensic sciences and use it for Applying towards real evidence for the sciences.			

Module 9

Code	Course/Module Title	ECTS	Semester
FOR-1207	Organic chemistry	7	2
Class (hr/w)	Lect/Lab./Prac./Tutor/semin.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,0,0	78	97
Description			
Outputs One of the basic objectives set when teaching this course, which is related to the scientific outputs of the Forensic Evidence Department, includes the following paragraphs: Knowledge of organic chemistry with different classes and the influence of each items in the forensic sciences and use it for Applying towards real evidence for the sciences.			

Module 10

Code	Course/Module Title	ECTS	Semester
FOR - 1208	General Physics	7	2
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,0,0	78	97
Description			
<p>knowledge about General Physics basic principles like Mechanics of motion, liquid mechanics and electricity. To get skills in solving mathematical problems that related to physics subjects. Get practical skills in managing physics experiments in the lab. In addition, record measurements and then calculate required quantities. Analysis the physical information in syllabus and be able to make conclusions by joining between physical concepts. The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes and by considering type of simple experiments involving some sampling activities that are interesting to the students</p>			

Module 11

Code	Course/Module Title	ECTS	Semester
UD11	English Language1	2	2
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,2	33	17
Description			
GRAMMAR, READING , MAIN COURSE SPEAKING, LISTENING , VOCABULARY			

Module 12

Code	Course/Module Title	ECTS	Semester
UD13	Computer1	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,2,0,0,0	63	12
Description			
<p>Curriculum: Today, it is impossible to imagine life without computers or other digital devices. Nowadays, knowing how to use a computer is a need. Many of our students take advantage of our college's fundamental computer courses, which educate them on the principles of computers and the Internet's underlying technologies and skills. The course introduces students to the fundamentals of computing, including the use of a variety of different hardware and software components. There is no prerequisite knowledge in either programming or computer science.</p> <p>Course Objectives: Students successfully completing this course will be able to: RMATION</p> <ol style="list-style-type: none">1. Utilize the computer for fundamental tasks.2 Identify and discuss the hardware components of the computer system.3. Creating documents using a word processor and creating presentations.4. Conducting research on the Internet.5. An introduction to Artificial Intelligence <p>Teaching methods The course will use the following teaching and learning methods Board (Normal or Smart)</p> <ul style="list-style-type: none">• Computers <p>Presentation software such as PowerPoint</p>			

Module 13

Code	Course/Module Title	ECTS	Semester
FOR-2303	Biochemistry	7	3
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,1,0	78	97
Description			
<p>Biochemistry aims to help students understand the chemical basis of life by studying the structure and function of biological molecules, how cells obtain and use energy, and how biochemical pathways are regulated. Students learn how proteins, nucleic acids, lipids, and carbohydrates work together in cellular processes; develop problem-solving and analytical skills for interpreting biochemical data; and gain experience with laboratory techniques used to investigate molecular and metabolic function</p>			

Module 14

Code	Course/Module Title	ECTS	Semester
FOR-2304	Molecular Biology	7	3
Class (hr/w)	Lect/Lab./Prac./Tutor/semin.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,0,0	78	97
Description			
Molecular biology aims to help students understand how genetic information is stored, expressed, and regulated in cells. Students learn how DNA, RNA, and proteins interact; how genes are replicated, transcribed, and translated; and how these processes are controlled. They also develop skills for analyzing molecular data, understanding experimental methods used to study genes and proteins, and applying these concepts to real biological problems in areas such as health, biotechnology, and evolution.			

Module 15

Code	Course/Module Title	ECTS	Semester
FOR-2305	Secretions and vital fluids	7	3
Class (hr/w)	Lect/Lab./Prac./Tutor/semin.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,0,0	78	97
Description			
The study of secretions and vital fluids aims to help students understand how the body produces, regulates, and uses essential fluids such as blood, lymph, digestive juices, hormones, and other glandular secretions. Students learn the roles these fluids play in maintaining homeostasis, transporting nutrients and wastes, supporting immunity, and enabling communication between organs. They also develop the ability to relate abnormalities in these fluids to disease states and to interpret basic physiological data connected to fluid balance and secretion.			

Module 16

Code	Course/Module Title	ECTS	Semester
FOR-2306	Statistics and forensic applications	2	3
Class (hr/w)	Lect/Lab./Prac./Tutor/semin.	SSWL (hr/sem)	USWL (hr/w)
2	0,0,0,2,0	33	17
Description			
This topic aims to help students understand basic statistical concepts and how they are used to analyze evidence in forensic science. Students learn how to collect, summarize, and interpret data; apply probability and statistical tests; and evaluate the reliability of forensic results. They also develop skills for using statistics to support conclusions about fingerprints, DNA, patterns, and other types of evidence, while understanding the limits and uncertainty involved in forensic analysis.			

Module 17

Code	Course/Module Title	ECTS	Semester
UD21	English Language2	2	3
Class (hr/w)	Lect/Lab./Prac./Tutor/semin.	SSWL (hr/sem)	USWL (hr/w)
2	0,2	33	17
Description			
Aims to help students improve their ability to understand and use English in more complex and varied situations. Students work on expanding their vocabulary, strengthening grammar skills, improving reading comprehension, and developing clearer, more organized writing. They also practice listening and speaking in ways that build confidence, accuracy, and fluency, with a focus on communicating effectively in academic and everyday contexts.			

Module 18

Code	Course/Module Title	ECTS	Semester
UD13	Computer2	3	3
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,2,0,0,0	63	12
Description			
Aims to help students build on their basic computer knowledge by learning more advanced skills in using software, managing files, and working with digital tools. Students practice using word processors, spreadsheets, and presentations more effectively; understand essential concepts of the internet and online safety; and develop problem-solving skills for common computer tasks. The course also helps students apply these skills in academic or workplace situations.			

Module 19

Code	Course/Module Title	ECTS	Semester
UD24	Crimes of the Baath regime in Iraq	2	3
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,0,0,2,0	33	17
Description			
The course aims to help students understand the history, nature, and impact of the crimes committed by the Baath regime in Iraq. Students learn about human rights violations, political oppression, and social consequences, as well as the legal and historical evidence documenting these events. They also develop critical thinking skills to analyze causes and effects, reflect on justice and accountability, and understand the importance of preserving historical memory.			

Module 20

Code	Course/Module Title	ECTS	Semester
FOR-23013	Clinical Chemistry	7	4
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,0,0	78	97
Description			
Clinical Chemistry aims to help students understand the chemical composition of body fluids and how these relate to health and disease. Students learn to analyze blood, urine, and other fluids to detect abnormalities, interpret laboratory results, and understand the biochemical basis of diseases. The course also develops skills in laboratory techniques, quality control, and the application of chemical knowledge to diagnose and monitor patient conditions.			

Module 21

Code	Course/Module Title	ECTS	Semester
FOR-23014	Genetics Science	5	4
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,1,0	75	50
Description			
Genetics Science aims to help students understand how traits are inherited and expressed in living organisms. Students learn about genes, chromosomes, DNA structure and function, patterns of inheritance, and genetic variation. They also develop skills to analyze genetic data, understand mutations and their effects, and apply genetic principles to medicine, agriculture, and biotechnology.			

Module 22

Code	Course/Module Title	ECTS	Semester
FOR-23015	Anatomy and physiology	6	4
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,0,0	78	72
Description			
Anatomy and Physiology aims to help students understand the structure and function of the human body. Students learn about organs, tissues, and systems, how they work individually and together, and how the body maintains balance and health. The course also develops skills in observing, analyzing, and applying knowledge of body functions to health, medicine, and everyday life.			

Module 23

Code	Course/Module Title	ECTS	Semester
FOR-24016	Laboratory equipment and techniques	5	4
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,3,0,0,0	78	47
Description			
The course aims to help students learn how to safely and effectively use common laboratory equipment. Students practice proper handling, measurement, and maintenance of tools, as well as basic laboratory techniques such as mixing, heating, measuring, and observing. It also develops skills in following protocols, recording data accurately, and applying these techniques to experiments in science and research.			

Module 24

Code	Course/Module Title	ECTS	Semester
FOR-23017	Criminal Psychology	3	4
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2		33	42
Description			
Criminal Psychology aims to help students understand the thoughts, emotions, and behaviors of criminals. Students learn about the psychological factors that influence criminal behavior, methods of profiling, and how mental health relates to crime. The course also develops skills in analyzing case studies, understanding motives, and applying psychological principles to prevention, investigation, and rehabilitation.			

Module 25

Code	Course/Module Title	ECTS	Semester
FOR-23018	Crime science	2	7
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	2,0,0,0,0	33	17
Description			
Crime Science aims to help students understand the causes, patterns, and prevention of criminal behavior. Students learn how to collect and analyze evidence, study crime scenes, and apply scientific methods to investigate crimes. The course also develops skills in problem-solving, critical thinking, and using data to improve public safety and reduce crime.			

Module 26

Code	Course/Module Title	ECTS	Semester
UD22	Arabic Language2	2	4
Class (hr/w)	Lect/Lab./Prac./Tutor/semn.	SSWL (hr/sem)	USWL (hr/w)
2	0,2	33	17
Description			
يهدف مقرر اللغة العربية 2 إلى تنمية مهارات الطلاب في القراءة والكتابة والاستماع والتحدث بشكل أكثر تقدمًا. يتعلم الطلاب تحسين مفرداتهم وقواعدهم النحوية، وتطوير قدرتهم على التعبير عن الأفكار بوضوح وتنظيم، وفهم النصوص المختلفة. كما يهدف إلى تعزيز القدرة على التواصل الفعال في السياقات الأكاديمية واليومية.			

3. Contact

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