



جمهورية العراق

وزارة التعليم العالي والبحث العلمي

جهاز الإشراف والتقويم العلمي

إدارة ضمان الجودة والاعتماد الأكاديمي

جامعة مدينة العلم

قسم ضمان الجودة وتقويم الأداء

شعبة ضمان الجودة

كلية العلوم

قسم الادلة الجنائية

2026



اسم الجامعة: جامعة مدينة العلم

الكلية/ المعهد: كلية العلوم

القسم العلمي: قسم الادلة الجنائية

اسم البرنامج الأكاديمي او المهني: بكالوريوس

اسم الشهادة النهائية: بكالوريوس في علوم الادلة الجنائية

النظام الدراسي: فصلي - مسار بولونيا

تاريخ اعداد الوصف: 22 ايلول 2025

تاريخ ملء الملف: 30 نوفمبر 2025

دقق الملف من قبل شعبة ضمان الجودة والأداء الجامعي

اسم مسؤول شعبة ضمان الجودة والأداء الجامعي: م م علا جنان قاسم

التاريخ 12 ديسمبر 2025

التوقيع

مصادقة السيد العميد

ام د وليد نصار رجاء



1. الرؤية

أن يكون القسم متميزاً في التعليم والبحث العلمي في مجالات الادلة الجنائية، وله الريادة في خدمة المجتمع من خلال إعداد خريجين مؤهلين قادرين على الإسهام في تطوير المعرفة العلمية وحل المشكلات الشرعية.

2. مهمة البرنامج

يسعى قسم الادلة الجنائية إلى إعداد كوادر علمية متميزة تمتلك المعرفة النظرية والمهارات العملية في مختلف فروع الطب الشرعي، بما يمكنها من المساهمة الفاعلة في مجالات البحث العلمي، والتعليم، الطب الشرعي، . كما يلتزم القسم بتوفير بيئة أكاديمية محفزة للإبداع والابتكار، وتشجيع البحوث التطبيقية التي تسهم في خدمة المجتمع والتنمية المستدامة.

3. أهداف البرنامج

1. إعداد خريجين يمتلكون أساساً علمياً متيناً في مجالات علوم الطب الشرعي والادلة الجنائية
2. تطوير مهارات البحث العلمي لدى الطلبة وأعضاء الهيئة التدريسية وتشجيع النشر العلمي في المجالات المحلية والعالمية.
3. خدمة المجتمع من خلال الاستشارات العلمية والمشاريع التطبيقية في مجالات العلوم الشرعية.
4. تحديث المناهج الدراسية لتواكب التطورات العلمية والتكنولوجية الحديثة في علوم الادلة الجنائية.
5. تعزيز التعاون العلمي مع الأقسام المناظرة داخل العراق وخارجه من خلال عقد اتفاقيات ثقافية وعبر الندوات، والمؤتمرات، وبرامج البحث العلمي المشترك.

4. الاعتماد البرامجي

البرنامج ليس لديه أي اعتماد حالياً

5. مؤثرات خارجية



رصد التطورات في برامج الأدلة الجنائية ومواءمة المناهج الدراسية مع هذه التطورات، والاستفادة من الموارد الدولية وتلبية متطلبات سوق العمل.

6. هيكل البرنامج

هيكل البرنامج	عدد الدورات	الساعات المعتمدة	نسبة مئوية	*ملاحظات
متطلبات المؤسسة				
متطلبات الكلية				
متطلبات القسم		240	62.5%	
التدريب الصيفي	شهر واحد بعد المرحلة الثانية في المستشفيات والمراكز الصحية والطب الشرعي			
غير ذلك				



أهداف البرنامج الأكاديمي:

أ- الأهداف المعرفية

- أ1- القدرة على تجزئة وتحليل أجزاء المشاكل الجنائية ومعالجة كل جزء منها.
- أ2 - القدرة على تشخيص الاشكالات في المسائل الجنائية
- أ3 - القدرة على إعطاء الحلول المناسبة للمسائل الجنائية
- أ4- القدرة على إعطاء خطة لاستثمار الاجهزة الحديثة في التحاليل الجنائية
- أ5- القدرة على وضع ودراسة الشروط المناسبة لكل جهاز.

ب- أهداف التأهيل للبرنامج:

- ب 1- تدريب وتطوير الكوادر الفنية في تشغيل واستخدام مختلف الاجهزة المختبرية التي تخدم التحاليل الجنائية
- ب 2- تطوير الاجهزة بكفاءة عالية واداء عالي .
- ب 3- تقديم المشورة العلمية والعملية في مجال التحاليل والدراسات الجنائية.

طرق التدريس والتعلم

المحاضرات النظرية والمختبرات العملية والندوات العلمية والدورات التدريبية والمعارض المتخصصة في مجال الأجهزة ذات العلاقة بالاختصاص.

طرق التقييم

الامتحانات اليومية، والامتحانات الفصلية، والحضور اليومي، والتقارير المعملية، والتقييم السنوي.

ت- الأهداف الوجدانية والقيمية

- ج 1 - تطوير طرائق التحليل وتوطين اجهزة عالية الكفاءة وفعالة من حيث التكلفة
- ج 2 - تقديم المشورة العلمية والعملية

ث- تخطيط التنمية الشخصية



الزيارات العلمية للمستشفيات والمراكز المتخصصة والمعارض المتخصصة والدورات التدريبية من قبل الشركات الخاصة

ج- معايير القبول

- خريجو الدورة الإعدادية السادسة للفروع الاحيائي والتطبيقية.
- خريجو المعاهد الفنية

المرحلة الأولى

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MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Fundamental of Forensic Science		Module Delivery ☐ Theory ☒ Lecture ☐ Lab ☒ Tutorial ☐ Practical ☐ Seminar
Module Type	Core		
Module Code	FOR-1101		
ECTS Credits	7		
SWL (hr/sem)	175		
Module Level	1	Semester of Delivery	1
Administering Department	Forensic Evidence	College	Science
Module Leader		e-mail	
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	01/10/2025	Version Number	1.0
Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	1-Forensic Science is basically the application of science to law. 2-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.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	On successfully completing the module students will be able to: 1. Show understanding of the role of physical forensic methods in forensic practice. 2. Demonstrate knowledge of the primary evidence types, their transfer and persistence. 3. Demonstrate understanding of emerging developments in forensic science. 4. Consider a broad range of forensic techniques to determine the examination strategy, sequencing, and probative value. 5. Demonstrate understanding of quality standards in respect of scene examination.
Indicative Contents المحتويات الإرشادية	A synopsis of the curriculum [15h] This module will develop students' appreciation of a range of physical techniques applied to the collection of bulk and trace evidence materials in forensic science. Students will look more deeply into aspects of physical evidence and will deal with the practical issues of item examination, legal process and general procedure associated with the collection and submission of a range of forensically relevant materials. Inclusive module design [15h] The Division recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services. The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas: a) Accessible resources and curriculum b) Learning, teaching and assessment methods Internationalisation [14h] Forensic science is an inherently international subject with physical laws discovered and techniques developed and refined by scientists across the globe. It is facilitated by well-defined conventions in terminology and mathematical modelling which allow complex concepts to be communicated across language barriers. This module introduces students to the work of these pioneers, as well as the fundamentals behind it and so enables them to interact with this community. Where possible, the reading list has been chosen, in part, to demonstrate the diversity of backgrounds of forensic scientists working in the field.

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	Type something like: 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, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.
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Student Workload (SWL)

الحمل الدراسي للطلاب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	94	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعياً	4.1
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	81	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعياً	9.1
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	175		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الأسبوعي النظري

	Material Covered
Week 1	The concept and importance of forensic science
Week 2	Historical development of forensic evidence
Week 3	Types of criminal evidence
Week 4	Forensic evidence and material traces
Week 5	The importance of the genetic fingerprint in achieving personality
Week 6	Fingerprints and the use of nanotechnology in detection
Week 7	Forensic forensic medicine
Week 8	Forensic chemistry
Week 9	Criminal toxicology
Week 10	Forgery of passports and counterfeit banknotes
Week 11	Examination of traces of weapons and tools
Week 12	Crime scene and preservation procedures
Week 13	Electronic forensic tool
Week 14	Forensic engineering
Week 15	Exam
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Forensic Science: A very short introduction by Jim Fraser	no
Recommended Texts	Blood, Powder, and Residue (A rare behind-the-scenes look at the work of forensic scientists) by Beth A. Bechky	No
Websites	https://www.nap.edu/read/21772/chapter/7	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	General Biology 1		Module Delivery ☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Type	Core		
Module Code	FOR-1102		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	1
Administering Department	Forensic Evidence	College	Science
Module Leader		e-mail	
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	01/10/2025	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

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Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	1.This module gives students an understanding of the science and techniques that underpin forensic biology. 2.Topics covered will include identification of biological fluids, the analysis the human genome in forensic biology, blood stain pattern analysis and forensic anthropology. 3.Material covered in lectures will be illustrated through lab work. 4.Highlight in most theories that was deal with biology system for live. 5.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.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1.Explain the analytical, laboratory and legal requirements of producing DNA profiles. 2.Summarize what is meant by a basic biology science. 3. Perform interpretation of DNA profiling results, including calculation of likelihood ratios. 4. Critically evaluate DNA profiling results citing significant research in the field. 5. Show an understanding of the scientific basis and utilisation of techniques of bone anthropometry and pathology in the study of human tissue. 6. Demonstrate the ability to critically evaluate body fluid evidence and blood stain patterns.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. On completion of this module, students are expected to be able to: 1 Demonstrate knowledge of the basic structures, functions and growth characteristics of cells.[13h] 2 Demonstrate knowledge of the structure and function of the four principal tissue types.[13h] 3 Demonstrate an understanding of Mendelian genetic inheritance. [15hrs] Demonstrate understanding of the role of variation in speciation and evolution. [15 hrs] Evolution of the eukaryotic cell, membrane structure and membrane transport mechanisms, structure and function of the nucleus, ribosomes, endoplasmic reticulum, Golgi Body, lysosomes, mitochondria and chloroplasts. [15 h] Mitosis and meiosis. Structure and function of epithelial, connective, nervous and muscle tissue. Mendel's Laws, inheritance, genotype, phenotype, dominance, sex determination, sex-linkage, variation, speciation and evolution.. [15 hrs]

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies



To describe the learning activities of the students and the teaching methods of the staff. Effective module design should result in a varied range of active learning experiences for students, including learning activities which are 'research-like'. Activities should, of course, motivate and encourage deep learning (reflection on wider meanings, rather than superficial memorisation of information). They should also be varied and flexible enough to accommodate different learning styles and orientations, and allow for inclusivity of students from different backgrounds and with different kinds of learning abilities. Learning activities therefore need to include reference to independent, interdependent (peer- supported) and online activities, as well as participation in different kinds of taught class.

Student Workload (SWL)

الحمل الدراسي للطلاب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	79	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعياً	52
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	71	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعياً	6.5
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	175		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Course introduction; What is biology?
Week 2	The nature of life
Week 3	Atomic structure and chemistry of water
Week 4	Carbohydrates, proteins, and lipids
Week 5	Nucleic acids
Week 6	Exam Mid-term Exam
Week 7	Cells, Part I
Week 8	Cells, Part 2
Week 9	Energy & metabolism, Part I
Week 10	Energy & metabolism, Part 2
Week 11	Cellular respiration, Part I
Week 12	Cellular respiration, Part 2
Week 13	Photosynthesis
Week 14	DNA & its role in heredit
Week 15	EXAM
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: Introduction to Measurement
Week 2	Lab 2: Course intro; Life and the scientific theory
Week 3	Lab 3: Enzyme function I
Week 4	Lab 4: Enzyme function 2
Week 5	Lab 5: Microscope & cell structure
Week 6	Lab 6: Cell behavior
Week 7	Lab 7: Respiration
Week 8	Lab 8 : Photosynthesis

Week 9	Lab 9 : Restriction digest of plasmids
Week 10	Lab 10: Gene transformation
Week 11	Lab 11: Mitosis, meiosis, and gametogenesis
Week 12	Lab 12: Mendelian crosses
Week 13	Lab 13: Outcomes of evolution
Week 14	Lab 14: Blood Typing
Week 15	Exam



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Freece J, Urry L, Cain M, Wasserman S, Minorsky P, Jackson, R. (Eds) 9th Global Edition, 2011, Campbell Biology, Pearson Benjamin Cummings.	Yes
Recommended Texts	Butler, J. (2005) Forensic DNA Typing 2nd Ed. Elsevier (MA) ISBN: 9780121479527 Forensic Science – Jackson A.R. & Jackson J., Prentice Hall, ISBN: 130432512	No
Websites	https://www.aqa.org.uk/subjects/science/as-and-a-level/biology-7401-7402/subject-content	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors

Success Group (50 - 100)	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
الدراسية معلومات المادة			
Module Title	General Chemistry		Module Delivery
Module Type	Core		☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	FOR-1104		
ECTS Credits	7		
SWL (hr/sem)	175		
Module Level	1	Semester of Delivery	
Administering Department	Forensic Evidence	College	Science
Module Leader		e-mail	
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name		e-mail	

Scientific Committee Approval Date	01/10/2025	Version Number	1.0
Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	
Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية			
Module Aims أهداف المادة الدراسية	1-To develop skills and understanding of different types of elements through the application of techniques. 2. To understand metals, physical and chemical properties. 3. This course deals with the basic concept of general chemistry. 4. To understand periodic table and distribution elements on it		
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Recognize the classification of elements. 2. List the various terms associated with periodic table. 3. Summarize what is meant by a basic chemical property. 4. Discuss the reaction and involvement of atoms in chemical reaction. 5. Describe bonds, oxidation number, and Lewis term. 6. Identify the elements according to conductivity and their applications. 7. Discuss the electrons distribution in the atomic levels. 8. Identify the primary terms that used to characterized physical and chemical properties.		

Indicative Contents المحتويات الإرشادية	Indicative content includes the following. Part A-Circuit Theory Starting from atomic theory and electron distribution in the outer and inner shells the details required make enough information for the principle of chemistry. [15hrs] Enhance the principle of general chemistry when highlight in more information about losing and acceptance electrons with the abilities for forming any bonds and forming new molecules with new properties. [16hrs] Periodic table with highlight in the orientations of molecules to show different and variance in properties. [12hrs] . Revision problem classes [6hrs] Part B-Analogue chemistry 3-Fundamentals Electron configuration, oxidation number, The ratios of forming molecules. [15hrs] Components and active site. [9hrs] Identification of general properties.[9hrs]
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Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	To describe the learning activities of the students and the teaching methods of the staff. Effective module design should result in a varied range of active learning experiences for students, including learning activities, which are ‘research-like’. Activities should, of course, motivate and encourage deep learning (reflection on wider meanings, rather than superficial memorization of information). They should also be varied and flexible enough to accommodate different learning styles and orientations, and allow for inclusivity of students from different backgrounds and with different kinds of learning abilities. Learning activities therefore need to include reference to independent, interdependent (peer- supported) and online activities, as well as participation in different kinds of taught class.

Student Workload (SWL)

الحمل الدراسي للطالب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	79	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	5.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	96	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	6.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	175		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الأسبوعي النظري

	Material Covered
Week 1	Introduction to chemistry
Week 2	Periodic table
Week 3-4	Atomic structure types of bonding
Week 5	Physical and chemical properties/ Drawing Lewis Structures
Week 6	Chemical Reactions
Week 7	Preparation solution (types of concentration)
Week 8	Exam
Week 9-10	Acids and Bases and titration
Week 11-12	Titrimetric Methods
Week 13-14	Separation method of elements
Week 15	Preparatory week before the final Exam



Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: General safety rules for Laboratory and equipments
Week 2	Lab 2: Standard Solution
Week 3	Lab 3: Preparation of standard solution from liquid solutions
Week 4	Lab 4: Preparation of standard solution from solid materials
Week 5	Lab 5: Titration Strong Acid with Strong Base
Week 6	Lab 6: Titrating Sodium Carbonate With Hydrochloric Acid
Week 7	Lab 7: pH - Metric Titration
Week 8	Lab 8 : exam
Week 9	Lab 9 : Conductometric Titrating of Strong Acid With Strong Base
Week 10	Lab 10: Titration of Acetic Acid in Vinegar
Week 11	Lab 11: Titration of a Mixture of Carbonate (CO_3^{2-}) and Bicarbonate (NaHCO_3^-)
Week 12-13	Lab 12: Separation of I Group Cations (Ag^+ , Pb^{2+} , Hg_2^{2+})
Week 14	Lab 14: exam
Week 15	Review All Previous Experiences

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	A Textbook of Physical Chemistry Vol-6 Kapoor, K.L Mc Graw-Hill 2019	Yes
Recommended Texts	Introductory Chemistry Essentials, Global Edition Tro, N. J. Pearson 2015	yes
Websites	https://openstax.org/details/books/chemistry-2e https://open.umn.edu/opentextbooks/textbooks/219	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors

Success Group (50 - 100)	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Mathematics		Module Delivery
Module Type	Basic		☒ Theory ☐ Lecture ☐ Lab ☒ Tutorial ☐ Practical ☐ Seminar
Module Code	FOR-1103		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	Forensic Evidence	College	Science
Module Leader		e-mail	

Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	10/10/2024	Version Number	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents الإرشادية أهداف المادة الدراسية ونتائج التعلم والمحتويات	
Module Aims أهداف المادة الدراسية	1. Identify the properties of mathematical functions and their opposites. 2. Familiarity with the properties of polynomials, exponential and logarithmic functions, trigonometric functions and their opposites. 3. Recognize the concept of differential functions and its relationship to speed and the rate of their change with time (acceleration). 4. Identify the integration of the functions and methods of Integration. 5. Knowledge of applications of integral in geometry.

Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Recognize properties of functions and their inverses; 2. Recall and use properties of polynomials, rational functions, exponential, logarithmic, trigonometric and inverse-trigonometric functions; 3. Apply the differentiation procedures to solve related rates and extreme value problems; 4. To understand the term integration. 5. To distinguish between definite and indefinite integration. 6. To describe the area and volume by means of integration.
Indicative Contents المحتويات الإرشادية	1- To know the methods of differentiation of functions accurately and its applications. 2- To know the relationship between the function term and its differential. 3- To extract the area and volume through integration. 4 - To know the differentiation and integration of functions. 4- To use integration methods to find complex integrals.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	□ Following up the scientific development of mathematics by reviewing modern curricula. • Follow-up and development of academic courses and compare them with other universities. • Using the latest teaching aids to motivate the student to learn and understand.

Student Workload (SWL)

الحمل الدراسي للطالب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	60	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	3.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	90	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	3.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5,10	LO#1,2,10 and 11
	Assignments	2	10% (10)	2,12	LO#3,4,6 and 7
	Projects / Lab.				
	Report	1	10% (10)	13	LO#5,8, and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO,#1-7
	Final Exam	2hr	60% (60)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الأسبوعي النظري

	Material Covered
Week 1	Functions, Inverse Functions.
Week 2	Trigonometric Functions, Inverse Trigonometric Functions.
Week 3	Exponential and Logarithmic Functions.
Week 4	Limits and Continuity
Week 5	The Derivative, The Chain Rule.
Week 6	Implicit Differentiation, L'Hopitals Rule.
Week 7	The Derivative in graphing and applications, Relative Extrema.
Week 8	Rolle's Theorem; Mean –Value Theorem
Week 9	The indefinite integral, Areas under a curve
Week 10	The fundamental theorem of integral calculus, Area between two curves
Week 11	The integral of trigonometric functions, the integral of inverse trigonometric
Week 12	The integral of the functions $\log_u(x)$, $\ln u(x)$, $e^{u(x)}$ and $a^{u(x)}$



Week 13	Methods of integration , powers of trigonometric functions
Week 14	Integration by parts
Week 15	Volumes
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library
Required Texts	Thomas & Finney "Calculus and Analytic Geometry" (2005), 11th edition, Addison Wesley.	yes
Recommended Texts	Howard Anton, Irl Bivens & Stephen Davis "Calculus" (2009), 9th edition, John Wiley & Sons, NC.	yes
Websites	Various lectures and lecture notes on the internet.	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings

	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	(قيد المعالجة) راسب	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Human Rights and Democracy		Module Delivery
Module Type	Basic learning activities		☒ Theory ☒ Lecture ☐ Lab ☐ L Tutorial ☐ Practical ☐ Seminar
Module Code	MAU 1102		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level		Semester of Delivery	
Administering Department	جميع اقسام الكلية	College	College of Sciences
Module Leader		e-mail	
Module Leader's Acad. Title	لجنة حقوق الانسان والديمقراطية	Module Leader's Qualification	MSc.
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	12/06/2025	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. يتعلم الطالب خلال السنة الدراسية أساسيات حقوق الانسان والديمقراطية ما حقوقه كيف يدافع عنها بالطرق القانونية وماهي ضماناتها الداخلية والدولية 2. استحصل المعرفة في مجال الديمقراطية وأنواع أنظمتها واثرها على حقوق الانسان

	3. تنمية شخصية الطالب وتعزيز وعيهم في الأنظمة السياسية الديمقراطية وتفصيلها وكيفية تطبيقها على أرض الواقع وأهمية أن يكون فعال في المجتمع من خلال احترامه لحقوق الآخرين ومعرفة أن الحقوق والحريات تن. تهي عند بداية حقوقهم وحرياتهم ويؤدي واجباته بدلا من اكتساب الحقوق فقط 4. تعزيز ثقافة السلام القائمة على العدل والمساواة
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. تمكين الطالب من معرفة أساسيات الدفاع عن حقوقه وحقوق الآخرين بعد معرفتها ومعرفة أهميتها له . وللمجتمع بصورة عامة وأيضا معرفه كل شخص حدود حقوقه وحريته 2. تمكين الطالب في المشاركة السياسية وذلك من خلال معرفته بأهمية مشاركته في الانتخابات وتأثير هذه المشاركة على سير الانتخابات وتشكيل السلطة فيما بعد 3. معرفة الطالب ضمانات حقوقه وحرياته وماهي مصادرهما 4. معرفة الفرق بين الحقوق والحريات 5. تمكين الطالب من معرفة ماهي المفهوم العلمي للديمقراطية وماهي جذورها وانواعها واشكالها 6. يتعلم الطالب كيف يؤثر النظام الديمقراطي على حقوق الانسان وماهي العلاقة بينها 7. ادراك الطالب ضرورة ان يكون مواطن فعال في المجتمع ايضا معرفه شروط الناخب وشروط المرشح للانتخابات 8. معرفة أنظمة الانتخابات وايهما افضل 9. فهم الطالب للقانون الدولي لحقوق الانسان وايضا معرفة مختصرة عن المنظمات الدولية والية كالأمة المتحدة ومنظمة الصليب الأحمر وغيرها
Indicative Contents المحتويات الإرشادية	الجزء الأول - تعريف حقوق الانسان وحقوق الانسان في الحضارات القديمة (تعريف الحق وتعريف الانسان ومعرفة أهمية حقوق الانسان بالنسبة للإنسان والمجتمع أيضا دراسة حقوق الانسان في الحضارات كالحضارة المصرية والعراقية واليونانية والرومانية) (٤ ساعات) الجزء الثاني معرف حقوق الانسان في الأديان السماوية وأهمها الإسلام (٢ ساعة) مصادر حقوق الانسان تتضمن (مصادر دولية كالإعلان العالمي لحقوق الانسان والعهدان الدوليان والمصادر الإقليمية التي تشمل الاتفاقيات الإقليمية كالاتفاقية الأوروبية والأمريكية والدستور) (٢ ساعة) ضمانات حقوق الانسان (كالضمانات الدستورية والقانونية) (٢ ساعة) الاتفاقيات الدولية والإقليمية لحقوق الانسان (٢ ساعة) الحريات العامة وانواعها والمقارنة فيما بينها (٢ ساعة) مستقبل حقوق الانسان والعولمة وحقوق الانسان (٢ ساعة) تعريف وتاريخ وأنواع الديمقراطية (دراسة تعريف ونشأة وتطور الديمقراطية مبادئها وانواعها كالديمقراطية المباشرة وغير المباشرة والنظام الرئاسي والبرلماني) (٦ ساعات) تعريف الانتخاب وشروطه وأنواع النظم الانتخابية وتعريف المجلس النيابي (٦ ساعات) العلاقة بين الديمقراطية وحقوق الانسان (٢ ساعة)
Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. زيادة وعي الطالب بأهمية معرفه حقوقه وواجباته اتجاه المجتمع وعلاقة حقوق الانسان بالنظام الديمقراطي 2. ثقافة عامة في مجموعة من المجالات ومنها المجال القانوني و السياسي والاجتماعي ورفع ثقة الطالب بنفسه من خلال ربط المادة النظرية بالواقع العملي

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ 15 اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	15% (10)	5 and 10	LO #1, #2 #3, and #6 #7#8
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.				
	Report	1	15% (10)	13	LO #5, #8 and #9
Summative assessment	Midterm Exam	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الأسبوعي النظري

	Material Covered
Week 1	.. محاضرة تعريفية عن المادة وأهميتها
Week 2	تعريف الحق والانسان وحقوق الانسان وأهمية حقوق الانسان ,حقوق الانسان في الدين الإسلامي والحضارات القديمة
Week 3	مصادر حقوق الانسان الدولية والإقليمية والمحلية
Week 4	ضمانات حقوق الانسان الدستورية والقانونية وضمانات حقوق الانسان على الصعيد الدولي
Week5	ضمانات حقوق الانسان في الإسلام
Week 6	دور المنظمات الإقليمية في حماية حقوق الانسان
Week 7	خصائص حقوق الانسان وتعريف الحريات العامة وأنواعه والمقارنة بينها وبين الحقوق القانون الدولي لحقوق الانسان والقانون الدولي الإنساني ومنظمة الصليب الأحمر
Week 8	. مستقبل حقوق الانسان وسبل تطويرها

Week 9	. العولمة وحقوق الانسان
Week 10	. تعريف الديمقراطية وتطورها التاريخي ومبادئها
	. الديمقراطية بين العالمية والخصوصية اشكال الديمقراطية / الديمقراطية المباشرة
Week 11	. الديمقراطية شبه المباشرة والديمقراطية التمثيلية / اركان النظام التمثيلي / اشكال النظام التمثيلي
Week 12	. المجلس النيابي وانواعه / الانتخاب وشروطه / هيئة الناخبين
Week 13	. الحملة الانتخابية / التصويت
Week 14	. نظم الانتخابات
Week 15	. علاقة الديمقراطية بحقوق الانسان وكيفية التأثير والتأثر فيما بينها
Week 16	الامتحان النهائي

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	/ تأليف ماهر صالح علاوي ورياض عزيز حقوق الانسان والطفل والديمقراطية ٩٠٠٢ / هادي وعلي عبد الرزاق محمد واخرون / العاتك / بيروت	نعم
Recommended Texts	عباس الدليمي / حقوق الانسان الفكر والممارسة فخري رشيد، صلاح ياسين / المنظمات الدولية / العاتك لصناعة الكتاب / بغداد 2012/ عصام العطية / القانون الدولي العام / المكتبة القانونية / بغداد	لا
Websites		

Grading Scheme				
مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
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ote: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	اللغة العربية 1		Module Delivery
Module Type	Basic learning activities		☒ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	MAU 1101		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	UGI	Semester of Delivery	
Administering Department	All	College	All
Module Leader			e-mail
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ph.D.
Module Tutor	Name(if available)	e-mail	E-mail

Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	3/11/2025	Version Number	1.0

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	: الهدف الأساس في تدريس اللغة العربية للأقسام العلمية • اخذ الطالب الى روعة بيان القرآن الكريم ، وادراكه يقينا ان التعبير القرآني تعبير فني مقصود كل لفظة ، وكل حرف وضع وضعا فنياً مقصودا • تقويم ي الحديث والكتابة ، ولزيادة رصيد الطالب من ادب وتراث ، عل تناول النصوص المختارة من العصور الأدبية المختلفة ، لزيادة رصيد الطالب من ادب التراث والادب المعاصر • التأكيد على دور الطالب في المتابعة و اثراء المعرفة باللغة العربية و فنونها بجهد خاص اذا ما وضعنا مفاتيح المنهاج الدراسي لتقع على الطالب بعد ذلك مهمة فتح الأبواب و النوافذ الى مصادر المعرفة الواسعة في جعل اللغة العربية الفصيحة تحتل موضع الصدارة و تجاوز العامية ، خدمة الى لغتنا العربية المقدسة و حفاظا على قوتها و جمالها. • و من نافلة القول في اهداف تدريس اللغة العربية : هي الجانب المحقق للوحدة و تلزمنا دوافع الوفاء بالحرص عليها و المحافظة على جوهرها.

Module Learning Outcomes مخرجات التعلم للمادة الدراسية	يمكن ايجاز مخرجات العلم لمادة اللغة العربية العامة لأقسام غير الاختصاص بالنسبة : لمرحلة الدراسة الأولية بالاتي- 1. سيتمكن الطالب من التعرف عل خصائص اللغة العربية كلغة سامية ، وفهم الخصائص المشتركة للغات السامية ، ومكانة اللغة العربية ضمن هذه العائلة اللغوية مما يعزز من ادراكه لأصولها و تطورها عبر التاريخ 2. تحليل أصوات اللغة العربية من حيث أماكن و طرق النطق و التمييز بين مختلف الأصوات العربية . 3. معالجة القضايا الصرفية وتحليل بنية الكلمات العربية ، وفهم كيفية تكوينها وتغييرها لأداء معان مختلفة مما يطور مهاراته في تكوين وصياغة الكلمات بشكل صحيح 4. تحديد التراكيب النحوية في اللغة العربية واستخدامها بشكل سليم مما يعزز قدرته . بناء جمل صحيحة نحويًا ومعبرة بوضوح 5. فهم العلاقات الدلالية مثل الترادف والتضاد والتضمير ببر الكلمات مما يوسع من ادراكه لمعاني الكلمات ، وتوظيفها في سياقات مختلفة
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	6 اتباع قواعد الاملاء الصحيحة وتطبيقها مما يسهم في تحسين كتابته ويضمن وضوح المعنى ، ودقته 7 - تحليل الأنواع الأدبية وتوظيف البلاغة في التعبير مما يعزز من فهمها للنصوص الأدبية .ويطور مهارته في الكتابة بأسلوب مؤثر وبلاغ
Indicative Contents المحتويات الإرشادية	1- مقدمة حول اللغة العربية كجزء من اللغات السامية ☐ . التعريف باللغة العربية واصولها واهم خصائصها ☐ . مكانة اللغة العربية ضمن عائلة اللغات السامية وتاريخ تطورها ☐ . دراسة خصائص اللغة العربية المتأصلة في جذورها السامية 2- اللغة العربية : النطق والأداء أصوات ☐ . مقدمة في علم الصوتيات واهمية الفهم الدقيق لاصوات اللغة ☐ ☐ . تقسيم الأصوات حسب أماكن النطق : الأصوات الحلقية ، الشفوية ، اللثوية وغيرها ☐ - دراسة طرق النطق المختلفة (مثل : الانفجار والاحتكاك) والتطبيقات العلمية للنطق الصحيح 3 . . التحليل الصر في للكلمات العربية ☐ ي بناء المعني اللغة العربية واهمية الرصف ف شرح أساسي لبنية الكلمة ف ☐ ☐ . دراسة أنواع الكلمات من حيث البناء مثل الأفعال والاسماء والمشتقات ☐ . ي اللغة العربية كيفية تكوين الجذور والاوزان وفهم الصيغ الصرفية المستخدمة ف ☐ . دراسة اساسيات النحو العربي وقواعد الجملة العربية ☐ . التعرف عل تراكيب الجملة الفعلية والاسمية والمركبة ☐ . تطبيقات عل تركيب الجمل وتصحيح الأخطاء النحوية الشائعة ☐ العلاقات . الدلالية بير المفردات ☐ التعريف بالدلالة المختلفة للكلمات والعلاقات بينها مثل الترادف والتضاد ☐ . ي السياقات المختلفة وتوضيح كيفية تداخل المعانفهم معاني الكلمات ف ☐ . دراسة المصطلحات اللغوية المختلفة وطرق استخدامها لتحقيق الدقة في التعبير ☐ قواعد الاملاء الصحيحة ☐ ي تحسين جودة الكتابة وضمان وضوح المعن أهمية الاملاء ف . ☐ . دراسة القواعد الأساسية للإملاء ، مثل قواعد الهمزة والالف المقصورة والممدودة ☐ . تدريبات عل كتابة القواعد الاملائية بشكل صحيح ؛ لتجنب الأخطاء الكتابية الشائعة ☐ الادب العرن ي والبلاغة ، التعرف عل الأنواع الأدبية الأساسية مثل : الشعر والنير والمقالة ☐ . والقصة ☐ ي الادب العرن ي، واهم أدوات البلاغة مثل التشبيه والاستعارةدراسة الأساليب البلاغية ف ☐ . والمجاز والكناية

□ . ي التعبيرى الكتابة لزيادة التأثير والقوة ف تحليل النصوص الأدبية ، وتوظيف البلاغة ف

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	: ليحقق التدريسي اهداف ونواتج التعلم المستهدفة لا بد من تحقيق الانري ١ _ الير كير عل اسيراتيجيات تقود ابل التعلم النشط ، والتاكيد عل دور المتعلم واثارة اهتمامه ودفعه ابل المشاركة الايجابية ٢ _ الاكثار من النصوص العربية العالية ٣ _ وان نعد بعض القطع للقراءة يميز ج فيها درس القواعد بدرس الادب؛ فان ذلك ادع لتنمية ذوقالطال . ب في الفهم والحس والكلمات والاساليب واستعمالها ٤ _ منح التدريسي حرية اختيار قطع للقراءة من كتب الادب والنصوص ومن ادب المناسبات الذي ينشر في الصحف والمجلات ، لتصحيح النطق عند الطالب ، وتعويد على القراءة الصحيحة الخالية . من اللحن _ تقع عل عاتق لاي تدريسه اللغة _ العربية ه . العامة لأقسام غير اختصاص ٦ _ تنشيط عنرص الاعير از باللغة العربية لدى طالب العلم وتأصيله والعمل عل زرع محبته للغة . من خلال عرضه لقصص تراثية العربية بوصفها اللغة الام لغة القران الكريم لغة الاعجاز والبيان تتعلق بحرص العرن ي عل لغته والاعير از بها .
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Student Workload (SWL)

اسبوعا ٥١ الحمل الدراسي للطالب محسوب لـ

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) للتالب أسبوعيا الحمل الدراسي المنتظم	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		



Module Evaluation

تقييم المادة الدراسية

	Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
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Formative assessment	Quizzes	4	20% (10)	3 , 6,8,11	LO #1...#3, #4...#6, #7, #9... #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.				
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO #1 - #7
	Final Exam	2hr	50% (50)	15	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	(الفصل الأول) التعبير القرآني (: نص قرآني محدد من سورة الكهف) قصة موسى والخضر عليهما " . السلام (من الآية رقم " 60 " الى الآية رقم " 82
Week 2	المهارات اللغوية : (1) الحروف الشمسية و القمرية
Week 3	(3 كتابة حرفي الضاد و الظاء.
Week 4	. كتابة التاء المربوطة و الطويلة (4
Week 5	(5) . علامات الترقيم
Week 6	(6) . الأصوات العربية : الأصوات الصامتة و الصائتة
Week 7	

	7) (أنواع المعاجم (معجمات الألفاظ و معجمات المعاني) و طريقة استخراج الألفاظ من المعجم)
Week 8	8) (أنواع الكلم (الاسم ، و الفعل ، و الحرف)
Week 9	9) (الفصل الثالث (القواعد النحوية : المفرد ، و المثنى ، و الجمع ، و علامات إعرابها)
Week 10	10) (الجملة الفعلية و الجملة الاسمية)
Week 11	11) (الأدوات النحوية : أدوات الجر ، أدوات نصب الفعل المضارع ، أدوات جزم الفعل المضارع)
Week 12	12) (البلاغة و الأدب : (الفصل الرابع (البلاغة : التشبيه)
Week 13	13) (الإسلامي الجاهلي) = امرئ القيس ، و (شعر) نصوص من (لا) = حسان بن ثابت.
Week 14	14) (الأندلسي = الموشحات. (العباسي ،) = المتنبي و (شعر) نصوص من (ا)
Week 15	15) (نصوص نثرية عربية قديمة (الخطب ، و الوصايا ، و المقامات)

Delivery Plan (Weekly Lab. Syllabus)	
المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	1 - التعبير القرآن تأليف الدكتور فاضل السامران ي 2-- اللغة العربية العامة لأقسام غير الاختصاص / تأليف مجموعة من أساتذة اللغة العربية 3 - تأليف الدكتور احمد الحملوي شذا العرف في فن الصرف- 4- البلاغة الواضحة ا - تأليف الدكتور احمد مطلوب	
Recommended Texts		
Websites		

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria

Fail Group (0 – 49)	FX – Fail	(قيد المعالجة) راسب	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Legal regulation of the criminal expert		Module Delivery	
Module Type	Core		☒ Theory ☒ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar	
Module Code	FOR1205			
ECTS Credits	7			
SWL (hr/sem)	175			
Module Level	1	Semester of Delivery		2
Administering Department	Type Dept. Code	College	Type College Code	
Module Leader	Name		e-mail	E-mail
Module Leader's Acad. Title	Professor		Module Leader's Qualification	Ph.D.
Module Tutor	Name (if available)		e-mail	E-mail

Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	01/09/2025	Version Number	1.0

Relation with other Modules

العلاقة مع المواد الدراسية الأخرى

Prerequisite module	None	Semester	
Co-requisites module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	التعريف بالخيعة الجنائية والتنظيم القانوني الخاص بها بيان كيفية توزيع المهام بين الخيعة كل حسب تخصصه فسح المجال للطعن بتقرير الخبير الجنائي الذي يعد دليل اثبات على قدم من المساواة مع الادلة الأخرى أقرار المسؤولية المدنية والانضباطية
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	ي تطبيق المواد القانونية أعداد خبير جنائي يساهم في أعداد خيعة جنائيين
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	التعريف بالقوانين المقارنة مع التشريعات العراقية من خلال التطبيقات العملية والمناقشة الذهنية والفكرية
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Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	102	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	7
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	98	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	6.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200		



Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
Summative assessment	Report	1	10% (10)	13	LO # 5, 8 and 10
	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	مفهوم الخبرة وانواعها

Week 2	الخبرة في التشريعات القديمة
Week 3	خصائص مهمة الخبير الجنائي
Week 4	الشروط الواجب توافرها في الخبير الجنائي
Week 5	الطبيعة القانونية للخبير
Week 6	المعوقات التي تعترض الخبير
Week 7	سلطة القاضي في تقدير الخبرة
Week 8	حقوق وواجبات الخبير
Week 9	الحالات التي يجوز بها الاستعانة بالخبرة
Week 10	الحالات التي لايجوز فيها الاستعانة بالخبرة
Week 11	ضمانات المتهم فيما يتعلق الاستعانة بالخبرة
Week 12	دور الخبرة وحجبتها في الاثبات
Week 13	مسؤولية الخبير المدنية
Week 14	مسؤولية الخبير التأديبية والجزائية
Week 15	آلية الطعن بالخبرة
Week 16	Preparatory week before the final Exam



Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts		
Recommended Texts		
Websites		

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
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MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية		
Module Title	General Biology 2	Module Delivery
Module Type	C	☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial
Module Code	FOR-1206	
ECTS Credits	6	

SWL (hr/sem)	150		☐ Practical ☐ Seminar	
Module Level	1	Semester of Delivery		2
Administering Department	Forensic sciences	College	College of science	
Module Leader		e-mail		
Module Leader's Acad. Title	Lecture	Module Leader's Qualification		Ph.D.
Module Tutor		e-mail		
Peer Reviewer Name		e-mail		
Scientific Committee Approval Date	10/3/2025	Version Number	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives الدراسية أهداف المادة	At the end of the course, the students will be able to: 1. Introduction to botany and its important 2. Explain the plant cell structure (living and non-living) in general 3. - Describe the plant physiology, Explain the cell division 4. Outline the classification, anatomy of plants and plant pathology 5. Including their roles in movement and support. 6. To study the nervous system and sensory organs, focusing on how they transmit and process information. 7. To explore the circulatory and respiratory systems, emphasizing how they work together to maintain oxygen and nutrient delivery throughout the body. 8. To examine the digestive and excretory systems and understand their roles in processing and eliminating waste. 9. To analyze the reproductive systems and their functions in human development and continuation of species. 10. To understand the concept of homeostasis and its regulation in maintaining a stable internal environment. 11. To study various human tissues, their classifications, structures, and functions within the body.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Define botany and explain its importance 2. List the defining characteristics of plant cell structures. 3. Describe and explain the various stages of plant cell division.  4. Describe and explain the physiology of plants. 5. Describe photosynthesis and cellular respiration 6. General information about plant pathology. 7. General information of the classification and anatomy of the plant. 8. Demonstrate an understanding of the skeletal and muscular systems by identifying major bones and muscles and explaining their functions in movement and support. 9. Explain the structure and function of the nervous system and sensory organs, including how they coordinate responses to internal and external stimuli. 10. Describe the components and functions of the circulatory and respiratory systems, and analyze how they work together to supply oxygen and remove carbon dioxide. 11. Illustrate the processes of digestion and excretion, identifying key organs and their roles in nutrient absorption and waste elimination.

	12. Identify the structures and functions of the human reproductive systems, and explain the processes involved in human development and reproduction. 13. Demonstrate an understanding of homeostasis, including how various body systems regulate internal conditions to maintain balance. 14. Classify different types of human tissues and describe their structural and functional roles in the body. 
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. ☐ <u>Plant</u> ☐ Introduction to botany and its importance to human ☐ Identification of plant cell structure and types of cells (Prokaryotic cell and Eukaryotic cells) 

	☐ Cells structure (living):(The protoplast, a. Cell Membrane (Plasma Membrane), b. Cytoplasm, c. Plastids Plant, endoplasmic reticulum, d. Mitochondria, Ribosomes, Golgi Apparatus, The nucleus. ☐ Plant cell structures (Non -living organelles) The Cell Wall, Function of cell wall, Composition of the Plant Cell Wall, Cytoskeleton functions in plant cells, The Central Vacuole, some key aspects of vacuoles, Plant Metabolites .Cell division stages. ☐ Plant physiology: The structure and properties of water, DIFFUSION, OSMOSIS AND IMBIBITION, Significance of osmosis in plants Plasmolysis,Photosynthesis, Respiration. ☐ Plant anatomy and classification: pits, Steps of wall formation, Compound middle lamella, primary cell wall, secondary cell wall, Tissue, Permanent tissue, Meristematic tissue, Parenchyma tissue, Collenchyma tissue, Sclerenchyma, The vascular tissue system, Plant pathology: some diseases infects the plant ☐ <u>Human biology</u> ☐ Overview of the human skeletal system: types of bones, major bones, and their functions. ☐ Structure and function of the central and peripheral nervous systems ☐ Components of the circulatory system: heart, blood vessels, and blood. ☐ Anatomy of the respiratory system: nose, pharynx, larynx, trachea, bronchi, lung. ☐ The e anatomy and functions of the digestive organs: mouth, esophagus, stomach, intestines, liver, pancreas. ☐ Structure and function of the excretory system, focusing on the kidneys, ureters, bladder, and urethra. ☐ Anatomy and function of male and female reproductive organs. ☐ The concept of homeostasis and its significance in maintaining body stability. ☐ Classification of human tissues: epithelial, connective, muscle, and nervous tissues.
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Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	Teaching strategies used in general botany and their expected results in terms of acquiring knowledge and achieving learning outcomes for students were as follows: 1. Competitive academic • Students work individually. • Students have common learning goals and tasks.
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	2. Individualistic learning • Students work individually and independently to achieve various individual learning goals and tasks that are not related to other students. 3. Cooperative learning • Students work in small groups. • Students shared learning objectives and tasks within the group that may be similar or different from other groups. • The professor evaluates the students on their work as groups and also on their individual work
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Student Workload (SWL)

اسبوعاً ٥١ الحمل الدراسي للطالب محسوب لـ

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	79	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	5.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	71	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	6.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150		



Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5,10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2,12	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #8 and #10
	Midterm Exam	2hr	10% (10)	7	LO #1 - #7
Summative assessment	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction to Botany: Plant cell structures (living and nonliving organelles)
Week 2	Plant physiology and Cell division
Week 3	Plant anatomy and classification
Week 4	Plant pathology
Week 5	Exam

Week 6	Human Biology /Skeletal and muscular systems.
Week 7	Nervous system and sensory organs.
Week 8	Circulatory systems.
Week 9	Respiratory systems.
Week 10	Digestive systems.
Week 11	Excretory systems.
Week 12	Reproductive systems.
Week 13	Homeostasis and its regulation.
Week 14	Tissues
Week 15	Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختي	
	Material Covered
Week 1	Microscopy and Cell Structure: Preparation and observation of onion epidermis slides
Week 2	Plant Physiology: Experiments on cell division and understanding mitosis
Week 3	Guard Cells: Microscopic examination of guard cells and stomata function.
Week 4	Plant Pathology: Identifying plant diseases through microscopic and macroscopic features
Week 5	Exam
Week 6	Blood: Examination of blood composition and functions, Blood Smear: Preparation and identification of blood cell types.
Week 7	Techniques for safe and sterile blood collection.
Week 8	Blood Groups: Determination of ABO and Rh blood groups
Week 9	Kidney Function and Histology: Urine Analysis
Week 10	Tissue Processing

Week 11	Epithelium tissues
Week 12	Connective tissues
Week 13	Muscular tissues
Week 14	Nervous tissues
Week 15	Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	* The Biology of Belief: Unleashing the Power of Consciousness, Matter & Miracles" by Bruce H. Lipton * Human Biology" (14th Edition) by Sylvia Mader	No
Recommended Texts	Book: Biology" (12th Edition) Reference: Campbell, N. A., & Reece, J. B. (2018). <i>Biology</i> (12th ed.). Pearson Education.	No
Websites		



Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings

Success Group (50 - 100) 	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				





MODULE DESCRIPTION FORM

Module Information			
معلومات المادة الدراسية			
Module Title	Organic chemistry		Module Delivery
Module Type	C		☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	FOR-1208		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department		College	
Module Leader		e-mail	
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	10 / 3 / 2026	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	General chemistry	Semester	1
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	On completion of this module students should be able to: 1. Understand the structures of organic molecules and recognize and name examples of them. 2. Predict the properties and reactions of a molecule from its structure. 3. Discuss the reactions of common organic compounds. 4. Design the synthesis of a simple molecule from available starting materials. 5. Understand the molecular basis of life. 6. Safely perform a simple chemical synthesis in the laboratory. 7. Understand the structures of organic molecules and recognize and name examples of them. 8. Predict the properties and reactions of a molecule from its structure. 9. Discuss the reactions of common organic compounds. 10. Safely perform a simple chemical synthesis in the laboratory.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	On successfully completing the module, you will be able to... 1. Evaluate and choose appropriate reducing or oxidizing agents for selective functional group transformations 2. Design protecting group strategies to enable chemo selective transformations to be carried out
	3. Perform retrosynthetic analysis on complex organic molecules 4. Devise multi-step syntheses of complex organic molecules 5. Discuss the mechanisms of important organic transformations 6. Explain how synthetic procedures can be modified to allow the simultaneous generation of a wide range of structurally related compounds and address environmental issues

Indicative Contents المحتويات الإرشادية	Indicative content includes the following. Module content: First part • identify and draw organic compounds • provide the IUPAC name for some organic compounds • classify alcohols • explain the properties of alcohols and ethers Second part • Some organic chemistry fundamentals, basic concepts and terminology • Naming and classification of organic compounds • Basic reactions of alcohols, ethers and carbohydrates • Natural polysaccharides: modification and utilization in various applications • Group work (including presentation and evaluation of the other group works)
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Learning and Teaching Strategies استراتيجيات التعلم والتعليم 	
Strategies	This module builds upon the entry-level knowledge of students covered in A-Level Chemistry. It introduces basic chemical concepts within the context of Organic Chemistry, and starts to develop the more specialist knowledge of organic reactions required for later modules. The latter will be further developed in the Organic Chemistry 2 module. The module will include: 1. General concepts in organic chemistry for predicting atom and electronic structure of molecules, stability, reactivity and molecular properties (bond strength, pH etc.) 2. General concepts and mechanisms underlying organic reactions and ability to draw the mechanism for a given reaction or to give reagents required for an organic reaction.

Student Workload (SWL)

الحمل الدراسي للطلاب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	79	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعياً	5.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	71	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعياً	6.5
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	150		



Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	An Introduction to Organic Chemistry
Week 2	Nomenclature of hydrocarbon
Week 3	Nomenclature of hydrocarbon and stereo chemistry
Week 4	Hydrocarbons
Week 5	Unsaturated Hydrocarbons
Week 6	Exam
Week 7	Aromatic Hydrocarbons

Week 8	Organic Halogen Compound
Week 9	Alcohols and Phenols
Week 10	Ethers, Aldehydes and ketones
Week 11	Cyclic compound
Week 12	Carboxyl acid, Esters and Sulfonic acid
Week 13	Nitro compounds, Amines and Amides
Week 14	Review Week
Week 15	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: Material Safety Data Sheet (MSDS)
Week 2	Lab 2: Determination of melting points
Week 3	Lab 3: Determination of boiling points
Week 4	Lab 4: Recrystallization
Week 5	Lab 5: Density of Some Organic Compounds
Week 6	Lab 6: exam
Week 7	Lab 7: Identification tests of Alkanes, Alkenes, Alkynes and Aromatic
Week 8	Lab 8: Identification tests of primary, secondary and ternary alcohol
Week 9	Lab 9: Identification tests of Ketones and Aldehydes
Week 10	Lab 10: Identification tests of flash point
Week 11	Lab 11: exam theoretical
Week 12	Lab 12: exam practical
Week 13	Application by identification organic compound
Week 14	Application by identification organic compound
Week 15	Review before final exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	J. Clayden, N. Greeves and S. Warren, Organic Chemistry (Second Edition), Oxford University Press, 2012, ISBN 0-19-927029-5 (essential core text)	Yes
Recommended Texts	C. Willis and M. Wills, Organic Synthesis, (Oxford Chemistry Primer 31), Oxford University Press, 1995, ISBN 0-19-855791-4	No
Websites	ELE page: https://vle.exeter.ac.uk/course/view.php?id=9255	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	General Physics		Module Delivery
Module Type	Core		☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	For-1207		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	Forensic	College	Science
Module Leader	Rudainah Ali Lateef	e-mail	Rudayna2000@yahoo.com
Module Leader's Acad. Title	Asst.Professor	Module Leader's Qualification	Ph.D.
Module Tutor	N.A	e-mail	N.A
Peer Reviewer Name	N.A	e-mail	N.A
Scientific Committee Approval Date	02/01/2026	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents

المادة الدراسية ونتائج التعلم والمحتويات الإرشادية أهداف

Module Aims أهداف المادة الدراسية	6.To have knowledge about General Physics basic principles like Mechanics of motion, liquid mechanics and electricity. 7.To get skills in solving mathematical problems that related to physics subjects. 8.To get practical skills in managing physics experiments in the lab. and record measurements and then calculate required quantities. 9.Analysis the physical information in syllabus and be able to make conclusions by joining between physical concepts. 10.To be able to apply his knowledge in physics in market.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	7.Save in memory basic principles and laws of physics. 8.Produce scientific concepts by joining between physical principles. 9.Joining physical concepts to produce more complicated concepts. 10.The ability to make conclusions by analysis the physical information. 11.The ability to apply all his knowledge to solve problems in reality. 12.To be able to run the devices and apparatus in the lab. 13.Assemble devices and make an experiment to prove physical relation. 14.Discuss the results get from running experiment in the lab. 15.Make reports from theory to conclusion about any physical concept proved in the lab.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. Measurement units, Motion in one dimension, path and displacement, velocity and acceleration. [9 hrs] Free fall motion, gravity, projectile path. [8 hrs] Vector Analysis, Unit vector, Vector addition and subtraction, resultant vector and its direction. [10 hrs] Motion in two dimensions, concept of negative acceleration, average and instantaneous velocity and acceleration. [9 hrs] Revision problem classes [5 hrs]

	Newton laws of motion, principle of continuity, equilibrium, action and reaction, force analysis diagram. [12 hrs] Circuits and electricity, Current, Voltage, Resistance. [10 hrs] Fluid Mechanics, Pascal principle, Archimedes principle, Pressure, Bernoulli equation in fluid flow. [9 hrs]
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Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	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.
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Student Workload (SWL)

الحمل الدراسي للطالب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	5.1
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	97	Unstructured SWL (h/w) الدراسي غير المنتظم للطالب أسبوعياً	5.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	175		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	4	10% (10)	2,4,6,10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
Summative assessment	Report	1	10% (10)	13	LO # 5, 8 and 10
	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Physical unit systems and unit conversion
Week 2	Motion in one dimension: velocity and acceleration
Week 3	Free fall motion and gravity
Week 4	Vector analysis: vector addition and subtraction
Week 5	Unit vector and vector resultant calculation
Week 6	Motion in two dimension: velocity and acceleration calculations
Week 7	Mid-term Exam
Week 8	Laws of motion
Week 9	Work
Week 10	Energy
Week 11	Electricity: current, voltage and resistance, Ohm's law
Week 12	Electric circuits: series and parallel circuits
Week 13	Fluid mechanics: pressure and Pascal Principle
Week 14	Archimedes principle
Week 15	Bernoulli equation in fluid flow
Week 16	Preparatory week before the final Exam 

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: Introduction to diagrams and report writing
Week 2	Lab 2: Surface tension
Week 3	Lab 3: Force equilibrium
Week 4	Lab 4: Static and dynamic friction
Week 5	Lab 5: Ohm's law
Week 6	Lab 6: Series and Parallel circuits
Week 7	Lab 7: Density of materials
Week 8	Exam
Week 9	Lab 8: Simple pendulum
Week 10	Lab 9: Boyles Law
Week 11	Lab 10: Velocity of the sound
Week 12	Lab 11: Velocity of liquid
Week 13	Lab 12: Laser Application
Week 14	Lab 13: half wave rectifier
Week 15	Exam



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Applied Physics by Schaum 2013	No
Recommended Texts	Physics for scientists and engineers by Serway 2004.	No
Websites	https://www.coursera.org/browse/physical-science-and-engineering	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors

Success Group (50 - 100)	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	(قيد المعالجة) راسب	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.



MODULE DESCRIPTION FORM

Module Information					
معلومات المادة الدراسية					
Module Title	English Language 1			Module Delivery	
Module Type	Basic learning activities			☒ Theory ☒ Lecture ☐ Lab ☐ L Tutorial ☐ Practical ☐ Seminar	
Module Code	MA104				
ECTS Credits	2				
SWL (hr/sem)	50				
Module Level	UG1	Semester of Delivery			
Administering Department	All	College	All		
Module Leader			e-mail		
Module Leader's Acad. Title			Module Leader's Qualification	MSc.	
Module Tutor			e-mail		
Peer Reviewer Name			e-mail		
Scientific Committee Approval Date	12/06/2025	Version Number	1.0		
Relation with other Modules العلاقة مع المواد الدراسية الأخرى					
Prerequisite module	None			Semester	
Co-requisites module	None			Semester	
					
Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية					

Module Objectives الدراسية أهداف المادة	The module aims at enabling students to learn and understand the written and spoken form of English. It also aims at teaching functional English to learners and improving their reading, writing and listening skills.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Read and understand simple texts in English. 2. Answer simple comprehension questions and match sentences about texts. 3. Reconstruct texts by reordering sentences. 4. Understand the main idea of a text. 5. Identify specific information in a text. Writing and paraphrasing paragraphs.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. i) Grammar has a core place in language teaching and learning. ii) A wide variety of practice tasks in all the four skills are essential to language learning. iii) Everyday expressions, particularly of spoken English, also need a place in the syllabus. These can be functional, social, situational or idiomatic.

Learning and Teaching Strategies

اسير اتيحيات التعلم والتعليم

Strategies	Headway's trusted methodology combines solid grammar and practice, vocabulary development, and integrated skills with communicative role-plays and personalization. Authentic material from a variety of sources enables students to see new language in context, and a range of comprehension tasks, language and vocabulary exercises, and extension activities practice the four skills. 'Everyday English' and 'Spoken grammar' sections practice real-world speaking skills, and a writing section for each unit at the back of the book provides models for students to analyze and imitate.
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Student Workload (SWL)

أسبوعاً ٥١ الحمل الدراسي للطالب محسوب لـ

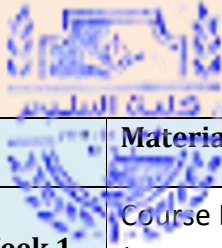
Structured SWL (h/sem) المنتظم للطالب خلال الفصل الحمل الدراسي	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	1.1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation

تقييم المادة الدراسية

	Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
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Formative assessment	Quizzes	2	20% (5)	3 , 5,8,11	LO #1...#3, #4...#5, #7, #9... #11
	Assignments	2	10% (5)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.				
	Report	1	15% (10)	13	LO #5, #8 and #10
Summative assessment	Midterm Exam	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	15	All
Total assessment			100% (100 Marks)		

 Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Course Introduction (Course material and objectives, learning outcomes, lessons and assessment discussed with the learners).
Week 2	Unit 1. Hello Vocabulary: People, introduce each other – ways of greetings, Numbers 1-10 and plurals. Reading: Introduction dialogues, Everyday English dialogues.
	Listening: People meet each other and introduce someone else. How are you? What's this in English? Speaking: Introductions, Good morning! Practicing introduction dialogues- Information gap. Writing: Complete the conversations. Grammar: Verb to be with subject, Possessive adjectives, This is
Week 3	Unit 2. Your World Vocabulary: A set of cities and countries: Brazil, Spain.... , Adjectives: awful, really good, fantastic, Nouns: center, hospital, building, park. Numbers 10-20 Reading: Two people are on holiday in New York. Listening: listening to a conversation about Claude and Holly. Speaking: Talking about where people are from. Writing: Complete the conversations, countries , cities, adjectives, nouns, and numbers. Grammar: Subject verb agreement, possessive pronouns, questions (what, where ... ?).
Week 4	Unit 3. All About You Vocabulary: Jobs (police officer, nurse..), Personal information (surname, first name, address.....). Reading: ' Hello! We're on A Mountain' about different students from different countries. Listening: Interview on a mountain. Speaking: Practice the interview. Writing: Social expressions (I am sorry, that's ok) Grammar: Subject pronoun (negatives and questions) , Possessive adjectives.

Week5	Listening: Listen and identify the people 'Fatima Al Zamil' , 'Paddy McNab and his family' Speaking: Talking about family and friends. Writing: Write about a good friend , his/ her family , job, favourite shop, and sport , extra.... . Grammar: Possessive adjectives. Possessive 's. Has/ have Adjective + noun Irregular Plurals.
Week 6	Assessment Test 1. Feedback and Remedial Work
Week 7	Unit 5. The way I live? Vocabulary: The lexical set of sports/food/drinks. Verbs (live, work), Languages and nationalities. Reading: ' Colin Brodie from Dundee' Listening: Listen to the context of likes and dislikes. At a party: Flavia and Terry are at a party in London, At dinner : two people meet and talk. Speaking: Role play: Practice the conversation in different situations. Writing: Write sentences, questions, make notes. Grammar: Present Simple :(I/you/we/they),Indefinite article(a/an),Adjective + noun(a German car).
Week 8	Unit 6. Everyday Vocabulary: The time, Words that go together: watch TV, get up early, Days of week. Reading: 'Lois Maddox ' Talking about daily routines. Listening: Lifestyle questionnaire, Listening a phone conversation between Lois and Elliot. Speaking: Asking and answering questions about daily routines. Writing: Write the correct preposition, Complete the questions. Grammar: Present Simple: He/she Question and negatives, Adverbs of frequency Prepositions of time.
Week 9	Unit 7. My Favourites Vocabulary: Adjectives: lovely, terrible, comfortable, friendly..., Opposite adjectives: new/old, big/small Places: chemist, post office Reading: ' The Famous International Footballer' , An email of San Francisco, Listening: Listening the requests with Can I.....? A holiday postcard. Describing lifestyles, preferences
	and places Speaking: Role play: conversations in town. Writing: Writing an email to a friend. Grammar: Question words, Subject pronouns, Object pronouns, Possessive pronouns.
Week 10	Unit 8. Where I live Vocabulary: Rooms and furniture: living room, bedroom, In and out of town: beach, mountain, sailing,... Reading: 'Vancouver- a great city'. Listening: My home town, Steve talks about living in Vancouver, Listen to the directions. Speaking: Talking and asking about rooms and furniture, Giving directions to places. Writing: Write about a town you know. Grammar: There is /are , Prepositions: in, on, under, next to
Week 11	Assessment Test 2. Feedback and Remedial Work

Week 12	Unit 9. Times Past Vocabulary: Saying years, People and jobs, Irregular verbs Have, do, go: have lunch, do homework, go shopping Reading: 'Two Saudi boys find an antiquity vasa' Listening: 'Magalia Dromard' : Magalia talks about her family. Speaking: Telling a story form pictures. Writing: complete the sentences, write the words in correct form. Grammar: Was/were born , Past simple: irregular verbs (It's a Jackson Pollock).
Week 13	Unit 10. We had a great time! Vocabulary: Time expressions: on Monday, last night..., Sports and leisure: tennis, skiing, windsurfing... Play or go: play tennis, go skiing , Seasons: winter, summer... . Listening: 'Jack and Millie Parker's holiday', A couple talk about their holidays. Speaking: A questionnaire, Asking about holiday , My last holiday. Making conversations 5 Writing: Write about your favourite holiday. Grammar: Past simple: regular and irregular, Questions/Negatives, Ago Dialogues with simple past.
Week 14	Unit 11. I can do that! Vocabulary: Verbs: (draw, run, drive), Verb+noun: (Listen to the radio, chat to friends), Adjective+noun: (fast car, busy city, dangerous sport), Opposite adjectives: dangerous/ safe, old/modern. Reading: 'The Internet ' Listening: ' Five people talk about what they do on the internet' Grammar: Can / can't, Adverbs, Adjective + noun, Requests and offers.
Week 15	Unit 12. Please and thank you Vocabulary: Shopping: (bread, milk, fruit) , Food: (cereal, salad, pasta, fish),In a restaurant: (menu, starter, desert, soup, salmon) Reading: People different parts of the world. Listening: 'Conversation with Adam' , 'After my exam'. Speaking: Describe what they eat? Discussion-what is a good diet? Grammar: I'd like, Some and Any , Like and would like.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	New Headway Pre-Intermediate by:John and Liz Soars. Oxford University Press	نعم
Recommended Texts	None	yes

Websites	https://www.scribd.com/document/510746145/New-Headway-Plus-Beginner-Student-sbook
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Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Computer 1		Module Delivery
Module Type	Basic learning activities		☒ Theory ☒ Lecture ☐ Lab ☐ L Tutorial ☐ Practical ☐ Seminar
Module Code	MAU105		
ECTS Credits	3		
SWL (hr/sem)	75		
Module Level	UG1	Semester of Delivery	
Administering Department	All Department	College	All colleges of the university
Module Leader		e-mail	
Module Leader's Acad. Title		Module Leader's Qualification	MSc.
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	12/06/2025	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. Training students on the basics of using the computer and providing them with the necessary skills to deal with the computer with high efficiency. 2. Assisting the student in distinguishing and developing his scientific and artistic abilities. 3. Enriching the student's skills to be able to deal with the computer with high efficiency. 4. Providing students with a way to use other modern technologies related to the educational process.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	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.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. 1. Course Introduction to Computer, Computer Components, and Personal Computer. 2. Working with Operating Systems and Graphical User Interface (GUI). 3. Microsoft Office Word, Excel, and PowerPoint. 4. Working with the Internet and Web browser 5. Working with E-mail and Computer troubleshooting
Course Description	Introduction to Computer: Concepts of Hardware and Software with their components; Concept of Computing, Data and Information; Applications of Information Electronics and Communication Technology (IECT); Connecting input/output devices, and peripherals to CPU. Computer Components: Computer Portions, Hardware Parts, I/O Units, Memory Types, Basic CPU Components, Computer Ports, Personal Computer, Personal Computer (Features and Types). Operating System and Graphical User Interface (GUI): Operating System; Basics of Common Operating Systems; The User Interface, Using Mouse Techniques; Use of Common Icons, Status Bar, Using Menu and Menu-selection, Concept of Folders and Directories, Opening and closing of different Windows; Creating Shortcuts. Word Processing: Word Processing Basics; Opening and Closing of documents; Text creation and Manipulation; Formatting of text; Table handling; Spell check, language setting, and thesaurus; Printing of word document. Spreadsheet: Basics of Spreadsheet; Manipulation of cells; Formulas and Functions; Editing of Spreadsheet, printing of Spreadsheet.

	Presentation Software: Basics of presentation software; Creating Presentation; Preparation and Presentation of Slides; Slide Show; Taking printouts of presentation/handouts. 
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Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	•In this course, students are guided by: •Using different examples. •Using different styles of discussion that aim to connect the theoretical and practical sides. •Asking questions and giving exercises that require analysis and conclusions related to lectures. •Encourage students to participate in discussions and do practical work. •Encourage students to work in groups.
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Student Workload (SWL)

أسبوعاً ٥١ الحمل الدراسي للطالب محسوب لـ

Structured SWL (h/sem)	48	Structured SWL (h/w)	3.2
الحمل الدراسي المنتظم للطالب خلال الفصل		الحمل الدراسي المنتظم للطالب أسبوعياً	
Unstructured SWL (h/sem)	27	Unstructured SWL (h/w)	1.8
الحمل الدراسي غير المنتظم للطالب خلال الفصل		الحمل الدراسي غير المنتظم للطالب أسبوعياً	
Total SWL (h/sem)	50		
الحمل الدراسي الكلي للطالب خلال الفصل			

Module Evaluation

تقييم المادة الدراسية

	Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
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Formative assessment	Quizzes	2	10% (5)	6 and 12	LO #1...#3, #4...#5, #7, #9... #11
	Assignments	2	10% (5)	2 and 13	LO #3, #4 and #6, #7
	Projects / Lab. Report	1	10% (10)	Continuous	All
		2	10% (5)	13	LO #2, #4 and #6
Summative assessment	Midterm Exam	1hr	10% (10)	9	LO #1 - #5
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		



Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction to Computer: Concepts of Hardware and Software with their components; Concept of Computing, Data and Information: Connecting input/output devices, and peripherals to CPU.
Week 2	Computer Components: Computer Portions, Hardware Parts, I/O Units, Memory Types.
Week 3	Computer Components (Cont.): Basic CPU Components, Computer Ports, Personal Computer, Personal Computer (Features and Types).
Week 4	Operating System and Graphical User Interface GUI: Operating System; Basics of Common Operating Systems; The User Interface, Using Mouse Techniques.
Week5	Operating System and Graphical User Interface GUI (Cont.): Use of Common Icons, Status Bar, Using Menu and Menu-selection, Concept of Folders and Directories, Opening and closing of different Windows; Creating Short cuts.
Week 6	Closing of documents, Text creation and Manipulation; Formatting Text and Paragraphs, Using
	Templates for Document Creation.
Week 7	Word Processing (Cont.): Creating and Managing Tables, Utilizing Styles and Themes, Spell Check and Grammar Tools, Using Headers and Footers.
Week 8	Spread Sheet: Introduction to Spreadsheet Software, Creating and Formatting Worksheets. Sorting and Filtering Data, Using Formulas and Functions.

Week 9	Spread Sheet (Cont.): Using Formulas and Functions, Using Pivot Tables for Data Analysis, Data Validation and Error Checking, Data Visualization: Creating Charts and Graphs.
Week 10	Presentation Software: Introduction to Presentation Software, Overview of Popular Presentation Tools, creating a New Presentation, Using Templates and Themes, Inserting and Formatting Text and Images, Transition and Animation Effects.
Week 11	Presentation Software (Cont.): Using Speaker Notes and Timers,, Advanced Features: Hyperlinks and Action Buttons, Troubleshooting Common Presentation Issues, Future Trends in Presentation Technology.
Week 12	Introduction to Internet and Web Browsers: Computer networks Basic; LAN, WAN; Concept of Internet and its Applications; connecting to internet.
Week 13	Introduction to Internet and Web Browsers (Cont.): World Wide Web; Web Browsing software's, Search Engines; Understanding URL; Domain name: IP Address..
Week 14	Communications and Emails: Basics of electronic mail; Getting an email account; Sending and receiving emails; Accessing sent emails; Using Emails; Document collaboration.
Week 15	Introduction to Cloud Computing and Services: Definition of Cloud Computing and its concept, Cloud-Based Office Suites (Office 365 and Google Workspace), Google Docs, Google Sheets, Google Drive, Google Meet.



Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Introduction to the lab and get started with use of computer Introduction to Connecting input/output devices, and peripherals to CPU.
Week 2	Computer Portions, Hardware Parts, I/O Units, Memory Types.
Week 3	Basic CPU Components, Computer Ports, Personal Computer, Personal Computer.
Week 4	Operating System; Basics of Common Operating Systems; The User Interface, Using Mouse Techniques.
Week 5	Use of Common Icons, Status Bar, Using Menu and Menu-selection, Concept of Folders and Directories, Opening and closing of different Windows; Creating Short cuts.



Week 6	Opening and Closing of documents, Text creation and Manipulation; Formatting Text and Paragraphs, Using Templates for Document Creation.
Week 7	Creating and Managing Tables, Utilizing Styles and Themes, Spell Check and Grammar Tools, Using Headers and Footers.
Week 8	Creating and Formatting Worksheets. Sorting and Filtering Data, Using Formulas and Functions.
Week 9	Using Formulas and Functions, Using Pivot Tables for Data Analysis, Data Validation and Error Checking, Data Visualization: Creating Charts and Graphs.
Week 10	Overview of Popular Presentation Tools, creating a New Presentation, Using Templates and Themes, Inserting and Formatting Text and Images, Transition and Animation Effects.
Week 11	Using Speaker Notes and Timers, Advanced Features: Hyperlinks and Action Buttons, Troubleshooting Common Presentation Issues, Future Trends in Presentation Technology.
Week 12	Computer networks Basic; LAN, WAN; Concept of Internet and its Applications; connecting to internet.
Week 13	Learn World Wide Web; Web Browsing software's, Search Engines; Understanding URL; Domain name: IP Address.
Week 14	Basics of electronic mail; Getting an email account; Sending and receiving emails; Accessing sent emails; Using Emails; Document collaboration.
Week 15	Definition of Cloud Computing and its concept, Cloud-Based Office Suites (Office 365 and Google Workspace), Google Docs, Google Sheets, Google Drive, Google Meet.

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	1. Graham Brown, David Watson, "Cambridge IGCSE Information and Communication Technology", 3rd Edition (2020). 2. Alan Evans, Kendall Martin, Mary Anne Poatsy, "Technology In Action Complete", 16th Edition (2020). 3. Microsoft Office 2019 Step by Step 1st Edition by Curtis Frye & Joan Lambert 4. 2016الخ ر ض ع ي ل الخ ر ض ب "حاث. " أساسيات الحاسوب	نعم

Recommended Texts	• Michael Miller, ABSOLUTE BEGINNER'S GUIDE TO COMPUTER BASICS, 5th EDITION, QUE Indianapolis, Indiana 46240, 2010. • Paul McFedries, TEACH YOURSELF VISUALLY MICROSOFT WINDOWS 10, ANNIVERSARY	yes
Websites	Microsoft Help, https://support.microsoft.com/en-us/products Learn Microsoft Office, https://www.goskills.com/Microsoft-Office	



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