

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (كهربائية ومغناطيسية)

Module Information			
معلومات المادة الدراسية			
Module Title	Electricity and Magnetism		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	MPH-111		
ECTS Credits	8		
SWL (hr/sem)	200		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Dr. Ahmed Al-Al-jumaili	e-mail	ahmed.aljumilli@uofallujah.edu.iq
Module Leader's Acad. Title	Lecture	Module Leader's Qualification	Ph.D.
Module Tutor	Dr. Ahmed Al-Al-jumaili	e-mail	ahmed.aljumilli@uofallujah.edu.iq
Peer Reviewer Name	Asst. Prof. Dr. Hamid Ahmed Fayyadh	e-mail	dr.hamedahmedfayyad@uofallujah.edu.iq
Scientific Committee Approval Date	01/08/2023	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	Mechanics 2	Semester	1

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	<p>The aim of this module is to provide students with a solid foundation in the principles of electric charge, electric and magnetic fields, and the interactions between them. Students will gain an understanding of the laws governing electromagnetism and develop the ability to apply these principles to various charge and current distributions. Additionally, students will explore the behavior of magnetic materials and their relevance in various applications.</p>
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<p>These learning outcomes aim to equip students with a comprehensive understanding of electric and magnetic phenomena, enabling them to apply their knowledge to various practical scenarios and research areas in physics and engineering. Moreover, the laboratory experiments and communication skills will foster a deeper appreciation for the scientific method and effective dissemination of scientific knowledge.</p> <p>By the end of this module, students should be able to:</p> <ul style="list-style-type: none"> – Explain the concept of electric charge, and determine the Coulomb's force. – Analyze electric field lines from different charge distributions. – Understand the principles of Gauss's law. – Describe the magnetic field and magnetic force. – Understand Maxwell's equations. <p>Perform laboratory experiments related to electric charge, electric and magnetic fields, and use appropriate tools to measure and analyze the experimental data.</p>

	Communicate scientific concepts and results effectively through written reports and oral presentations.
Indicative Contents المحتويات الإرشادية	The indicative contents aim to provide students with a well-rounded understanding of electric and magnetic phenomena, their underlying principles, and their practical applications. The module's structure includes theoretical concepts, mathematical calculations, laboratory experiments, and real-world examples, fostering a deep and practical knowledge of electromagnetism.

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	The primary approach for delivering this module will focus on promoting active student engagement and enhancing their critical thinking abilities. This will be accomplished through interactive classes, engaging tutorials, and the inclusion of intriguing, hands-on experiments that pique the students' interest. By encouraging participation and incorporating practical exercises, the goal is to foster a deeper understanding of the subject matter and cultivate critical thinking skills among the students.
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ 15 اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	130	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	٨
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	70	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.6
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, 3, 8 and 10
	Assignments	2	10% (10)	2, 12	LO # 2, 4, and 7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO # 8 and 11
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	Electric charge, Conductor and insulator
Week 2	Coulomb's law, Charge is quantized, Charge is conserved
Week 3	Electric field, Electric field lines
Week 4	Electric field due to point charge Electric field due to an electric dipole
Week 5	Electric field due to a line of charge Electric field due to charge disk
Week 6	Gauss law, Flux Flux of an Electric Field, Examples Gauss Law and Coulomb's law
Week 7	Applying Gauss' law: Cylindrical Symmetry Applying Gauss' Law: Planar Symmetry Applying Gauss' law: Spherical Symmetry
Week 8	Magnetic field, the definition B, Magnetic Field lines Crosses field: discovered of the electron
Week 9	A circulating charge particle, Cyclotrons and Synchrotron, Magnetic Force on a Current-Carrying Wire,
Week 10	Magnetic field due to current, Calculating the magnetic field due to a current, Magnetic Field Due to a Current in a Long Straight Wire,
Week 11	Magnetic Field Due to a Current in a Circular Arc of Wire, Force between two parallel current
Week 12	Amperes' law, Magnetic Field Outside a Long Straight Wire with Current Magnetic Field Inside a Long Straight Wire with Current
Week 13	Maxwell equation, Magnets, Magnetism and electron
Week 14	Magnetic material, Diamagnetic, Paramagnetic, Ferromagnetic
Week 15	Review
Week 16	Final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Introduction to the lab equipment and safety procedures.
Week 2	Experiment 1: Linear and Nonlinear resistance (Ohmic law)
Week 3	Experiment 2: EMF and Internal Resistance of voltmeter
Week 4	Experiment 4: Varying Resistance with Conductor Length and Cross-Sectional Area
Week 5	Experiment 4: Electrical transformer
Week 6	Experiment 5: A.C circuit with inductance and resistance
Week 7	Experiment 6: RC Circuit
Week 8	Midterm Exam
Week 9	Experiment 7: Resonance in RLC Circuits
Week 10	Experiment 8: Electrical filters
Week 11	Experiment 8: Electromagnetic Inductance
Week 12	Experiment 9: Varying Capacitance with Plate Size, Separation, and Dielectric Material

Week 13	Experiment 10: Varying Self-Inductance of a Coil with Different Dimensions, Turns Number, and Core Material
Week 14	Review
Week 15	Final Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	- Fundamentals of physics / David Halliday, Robert Resnick, Jearl Walker. — 11th ed. Copyright Year: 2018 -Fundamentals of Electric Circuits, C.K. Alexander and M.N.O Sadiku, McGraw-Hill Education	Yes
Recommended Texts	DC Electrical Circuit Analysis: A Practical Approach Copyright Year: 2020, dissidents.	No
Websites	https://www.coursera.org/browse/physical-science-and-engineering/electrical-engineering	

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.

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (الرياضيات I)

Module Information			
معلومات المادة الدراسية			
Module Title	Mathematics I		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar <input type="checkbox"/> Lab <input checked="" type="checkbox"/> Lecture
Module Code	MPH-112		
ECTS Credits	7		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Ahmad Aziz Darweesh	e-mail	Ahmad.darweesh@uofallujah.edu.iq
Module Leader's Acad. Title	Assist. Prof. Dr.	Module Leader's Qualification	PH.D
Module Tutor	Ahmad Aziz Darweesh	e-mai	Ahmad.darweesh@uofallujah.edu.iq
Peer Reviewer Name	Assist. Prof. Dr. Batool Eneaze Bandar	e-mai	Batoolen@uofallujah.edu.iq
Scientific Committee Approval Date	١/٧ / 2023	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. A student's acquisition of the concept of words and mathematical logic and ways of dealing with them algebraically. 2. Clarify the concept of sets, relationships, functions and links between them and theories related to them.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	Upon completing this course, students will: 1. An ability to apply knowledge of mathematics, science and engineering. 2. Evaluate the indefinite and improper integrals by using different integration techniques. 3. Identify the definition and properties associated with definite integrals. 4. Evaluate integrals using the method of substitution. 5. Solve problems involving applications of integrals including finding volume of solids of revolution and area between curves. 6. Discover determinants and matrices and their properties. Learn Cramer rule for solving a set of matrix system.
Indicative Contents المحتويات الإرشادية	1. Familiarity with basic mathematical concepts and principles required for all branches of mathematics. 2. Recognize the importance of integration and its applications. 3. Knowledge of the concept of specific values and related issues.

	4. Studying methods of finding integration and identifying the most appropriate method.		
Learning and Teaching Strategies استراتيجيات التعلم والتعليم			
Strategies	<ol style="list-style-type: none"> 1. Thinking creatively and critically. 2. Talk with a partner or in a small group. 3. Express ideas with linear activities. 4. Explore personal positions and values through debate, argument, and discussion. 5. Meditation in the educational process. 		
Student Workload (SWL) الفصل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	88	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	6
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	62	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	4.1
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 and 10	LO #1, 5, 9 and 10
	Assignments	2	10% (10)	2 and 12	LO # 3, 4, 7 and 11
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO # 5, 8 and 10
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 + Lab Syllabus) المنهاج الاسبوعي النظري والعملي	
	Material Covered
Week 1	Real Numbers and the Real Line, Lines, Circles, and Parabolas
Week 2	Functions and Their Graphs, Even and Odd Functions
Week 3	Combining Functions; Shifting and Scaling Graphs, Trigonometric Functions
Week 4	Limits
Week 5	Continuity
Week 6	Differentiation
Week 7	Differentiation

Week 8	Transcendental Functions
Week 9	Mid-term Exam
Week 10	Integration
Week 11	Integration
Week 12	Integration
Week 13	Applications of Definite Integrals
Week 14	Applications of Definite Integrals
Week 15	Exam
Week 16	Preparatory week before the final Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	\. Thomas' Calculus, 11th Edition	Required textbooks
Recommended Texts	1. Professors lectures. 2. The internet.	Recommended books and references (scientific journals, reports)
Websites	Electronic references, websites, Virtual library Library locations in some international universities	

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

Asst.prof. Ahmad Aziz Darweesh

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (كيمياء عامة)

Module Information				
معلومات المادة الدراسية				
Module Title	General chemistry		Module Delivery	
Module Type	Basic		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar	
Module Code	MPH-113			
ECTS Credits	8			
SWL (hr/sem)	200			
Module Level	1	Semester of Delivery		1
Administering Department	MPH	College	Applied sciences – Fallujah University	
Module Leader	Ahmed Neamah Ayyash		e-mail	ahmedn.ayyash@uofallujah.edu.iq
Module Leader's Acad. Title	Assistant professor		Module Leader's Qualification	Ph.D.
Module Tutor	Ahmed Neamah Ayyash		e-mail	ahmedn.ayyash@uofallujah.edu.iq
Peer Reviewer Name	Maath Talib AL-Saab		e-mail	Maadsaab65@uofallujah.edu.iq
Scientific Committee Approval Date	١/٧ / 2023	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	<p>-The analytical chemistry course is determined according to the study plan prepared in the Medical Physics Department.</p> <p>-The course aims to introduce the student to the general concepts of the organic compounds and their importance and uses in various fields.</p> <p>-It also aims at a detailed study of the different structural compositions and naming principles for the compounds of organic chemistry, by focusing on the compounds. And help the student to know the composition of these substances, including drugs, and to know how interactions occur and the mechanism of interaction.</p>			
Module Learning Outcomes	<p>- The student should know the general concepts of the compounds of the analytical chemistry curriculum.</p> <p>- That the student is acquainted with the basics and rules of naming, different structural structures and physical properties, and focuses on the same different rings for their vital activity, and recognizes their physical and chemical properties, and that the student distinguishes between the different structural structures.</p> <p>- That the student knows the basic principles of preparation methods</p> <p>- To familiarize the student with the different bases of their interactions.</p>			

	- That the student is aware of the importance of these compounds and their applications.
Indicative Contents المحتويات الإرشادية	<p>a- Methods of teaching and learning</p> <p>1- Giving lectures.</p> <p>2- Using the method of recitation, discussion and solving questions.</p> <p>3- Giving assignments to students to strengthen them and prepare them for the final and final exams.</p> <p>b- Evaluation methods</p> <p>1- Daily and monthly exams</p> <p>2- Duties</p> <p>3- In-class exercises</p>

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 types of simple experiments involving some sampling activities that are interesting to the students.
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	130	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	٨
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	70	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.6
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 and 10	LO #1, #2 and #9, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #2, #9 and #10
Summative assessment	Midterm Exam	1 hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Material, atom structure, periodic table and bonds
Week 2	Solutions and their concentrations
Week 3	Statistical processing of analytical data
Week 4	Chemical equilibria
Week 5	Acid base theory, pH, puffer solutions

Week 6	Precipitation methods, Gravimetric calculations
Week 7	Methods of separation
Week 8	First exam
Week 9	Organic chemistry, Alkanes, Alkenes, Alkynes
Week 10	Alcohols, Properties, Reactions
Week 11	Aldehydes, Ketones, Properties, Reactions
Week 12	Carboxylic acids, Properties, Reactions
Week 13	Carboxylic acids, Properties, Reactions
Week 14	Aromatic compounds, Phenols
Week 15	Amines, Nitro compounds
Week 16	Second exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Titration methods
Week 2	Solubility
Week 3	Extraction
Week 4	Chromatography methods
Week 5	Test Reducing Flame
Week 6	Flame test
Week 7	Detection of halogens, nitrogen and sulfur

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Fundamentals of analytical chemistry. 9th Edition by Douglas A. Skoog (Author), Organic Chemistry, 6th Edition 6th Edition by Robert T. Morrison (Author), Robert N. Boyd (Author)	Yes
Recommended Texts	ANALYTICAL CHEMISTRY: A Fundamental Approach To Modern Separation Techniques. by Stanley Chris (Ph.D) (Author) August 15, 2022	No
Websites		

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
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اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (علم الحاسوب I)

Module Information			
معلومات المادة الدراسية			
Module Title	Computer Science I		Module Delivery
Module Type	Basic		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	SCI-101		
ECTS Credits	3		
SWL (hr/sem)	100		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Waleed Khalid Ahmed	e-mail	waleedkhalid@uofallujah.edu.iq
Module Leader's Acad. Title	Asst. Lecture	Module Leader's Qualification	M.Sc.
Module Tutor	Waleed Khalid Ahmed	e-mail	waleedkhalid@uofallujah.edu.iq
Name (if available)	Dr.Mohammed Ahmed Talab	e-mail	mmss_ah@uofallujah.edu.iq
Scientific Committee Approval Date	23/8/2023	Version Number	1.0
Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	Mathematics-1	Semester	1

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	<p>This course focuses on two main aspects: computer fundamentals and Microsoft Office applications. In the computer fundamental part, students will understand the design and operation of computer systems at both software and hardware levels. This includes learning about the basic components of a computer, the Instruction Set Architecture (ISA), and core operating system services provided by Windows OS, like process management and memory management.</p> <p>On the other hand, studying Microsoft Office (Word, Excel and PowerPoint) is essential for individuals who want to enhance their productivity and proficiency in various professional and academic tasks. The module aims to equip students with essential skills in using Microsoft word, Excel and PowerPoint effectively for data manipulation, analysis, visualization, and creating professional presentations. These skills are valuable in academic, professional, and personal contexts, making the learning outcomes highly practical and applicable in various settings.</p>
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<p>The module learning outcomes of studying the computer's fundamental and Microsoft Office applications such as word, Excel and PowerPoint include:</p> <ol style="list-style-type: none"> 1. Describing the graphical user interface (GUI) and managing windows to interact with the operating system effectively. 2. Capability of using internet and web services, including web browsers and web-related features. 3. Learning how to manage files, folders, and directories effectively in the Windows environment.

	<ol style="list-style-type: none"> 4. Developing a high level of proficiency in using Microsoft Word for creating, editing, and formatting documents. 5. Applying various text formatting options, such as font styles, sizes, colors, alignment, and emphasis. 6. Formatting the overall document, including page layout, margins, headers, footers, and page numbering. 7. Learning how to insert and format tables, as well as insert and manipulate graphics within the document. 8. Learning how to build and manage spreadsheets in Microsoft Excel. 9. Learning how to analyze data, create charts, and visualize information using Excel's tools and features. 10. The capability of designing visually appealing and engaging presentations using Microsoft PowerPoint 11. Learning to use slide masters and templates to maintain consistent formatting throughout the presentation. 12. The capability of incorporating interactive elements like hyperlinks and buttons to enhance the interactivity of their presentations.
<p>Indicative Contents المحتويات الإرشادية</p>	<p>The indicative contents of studying computer applications may vary depending on the specific course and its level of complexity. However, the following are some common indicative contents that can be covered in a computer applications course:</p> <ol style="list-style-type: none"> 1. Introduction to Computers and Operating Systems: <ul style="list-style-type: none"> ✚ Computer basics and history. ✚ Types of computers and their components. ✚ Overview of operating systems and their functions. 2. Microsoft Office Suite: <ul style="list-style-type: none"> ✚ Microsoft Word: Word processing, formatting, and document management. ✚ Microsoft Excel: Spreadsheet creation, formulas, functions, and data analysis. ✚ Microsoft PowerPoint: Creating presentations with multimedia elements. 3. Data Management and Manipulation: <ul style="list-style-type: none"> ✚ Data entry and validation. ✚ Sorting, filtering, and searching data. ✚ Data analysis and visualization. 4. File Management and Storage: <ul style="list-style-type: none"> ✚ Organizing files and folders. ✚ Working with cloud storage and file sharing. 5. Internet and Web Applications: <ul style="list-style-type: none"> ✚ Web browsing and search engines. ✚ Email communication and management. ✚ Online collaboration tools and cloud-based applications.

<p>Learning and Teaching Strategies استراتيجيات التعلم والتعليم</p>	
<p>Strategies</p>	<p>In delivering a computer fundamentals and Microsoft office applications course, various learning and teaching strategies are adopted to enhance students' understanding and practical skills. Here are some common strategies:</p> <ol style="list-style-type: none"> 1. Hands-on Practical Sessions: Emphasizing hands-on practice allows students to interact directly with computer applications and software. Practical exercises, lab sessions, and projects enable them to apply theoretical knowledge to real-world

	<p>scenarios as well Word, Excel and PowerPoint, actively applying what they learn and gaining practical skills.</p> <ol style="list-style-type: none"> Project-Based Learning: Assigning projects that simulate real-world challenges allows students to work collaboratively and develop problem-solving skills while creating tangible deliverables. Demonstrations and Interactive Lectures: Instructors use live demonstrations and interactive lectures to illustrate how to use computer applications effectively and efficiently. Collaborative Learning: Encouraging group activities, discussions, and team projects fosters teamwork and communication skills among students. Formative and Summative Assessments: Regular formative assessments, such as quizzes and assignments, help students track their progress, while summative assessments, like exams and final projects, evaluate their overall performance. Real-life Examples and Case Studies: Incorporating real-life examples and case studies helps students relate the applications' functionalities to practical scenarios.
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Student Workload (SWL) الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	88	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	6
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	12	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	0.8
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	100		

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

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	<ul style="list-style-type: none"> - What is a computer? Then find out the types of icons on the desktop. - Execute by applying the right mouse command related to system icons, programs, and folders.
Week 2	<ul style="list-style-type: none"> - Execute right mouse commands (copy, paste, cut, delete, and change folder name). - Execute the right mouse button (the properties of the system icon, program icon, and folder icon)
Week 3	<ul style="list-style-type: none"> - Create a new folder, then save it, change its name, shape, hide it, and show it).

	- Show and hide the system icon (Control panel).
Week 4	- Learn the Word program, then ways to open the program. - Home tab and execute its commands.
Week 5	- Insert and Execute tab insert a table, clip art, picture, shapes, text box, and symbols. - Page layout tabs such as paper margins, orientation, and size.
Week 6	- The Page Layout tab performs watermark, page borders, and color commands. - Executing and opening a file command such as saving the document and options for choosing the language of numbers and printing. - Completing a file command for the rest of it, such as opening a new one, sending it, and previewing it before printing. - Review.
Week 7	- Monthly test
Week 8	- What is the Excel program? Then ways to open Excel. - Recognize tab commands? Then explain the home page.
Week 9	- Explanation of commands for the main page. - Explanation of the Insert tab.
Week 10	- Explanation of the Page Layout tab. - Explanation of the View tab.
Week 11	- What is the power point program? Then ways to open power point program. - Recognize tab commands? Then explain the home page.
Week 12	- Explanation of commands for the main page. - Explanation of the Insert tab.
Week 13	- Explanation of the Insert Pictures and Videos tab. - Explanation of the Page Layout tab.
Week 14	- Explanation of the View tab. - Review.
Week 15	- Monthly test

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	- An application to create a folder, change its name, format and save it. - Change wallpaper. Learn about system icons, hide them, and show them.
Week 2	- Application of commands difference between delete and removal and the location of the use of each of them. - Application right-click (system icon, program icon, folder icon properties)
Week 3	- Use the (Control Panel) application to open and modify some programs such as time, date, deletion, and others. - The application opens the Home tab and performs its commands.
Week 4	- Insert and Execute tab application Insert a table, clip art, picture, shapes, text box, and symbols. - Apply page layout tabs such as paper margins, orientation, and size.
Week 5	- The Page Layout tab applies watermark, page border, and color commands. - Executing and opening a file command such as saving the document and options for choosing the language of numbers and printing.
Week 6	- A file command completion application for the rest of the command, such as opening a new command, submitting it, and previewing it before printing. - The application of inserting a table and adding data inside it. - Complete the insert table application and add new rows and columns. - Complete the insert table application and the method for deleting rows and columns from within the table.

Week 7	- Monthly Test.
Week 8	- Apply ways to open Excel. - Application of scheduling orders? Apply the Home commands for Font Size, Insert Row, Column, and Worksheet.
Week 9	- Insert tab application such as insert picture, clip, table, and text box. - Explanation and application of writing equations such as (sum, max, min, if).
Week 10	- Explain and apply page layout commands such as margins, orientation, and paper orientation from right to left and vice versa. - Insert table, enter data, delete and insert columns and rows.
Week 11	- Explain and apply display commands, such as showing and hiding rulers, gridlines, and size. - Application ways to open PowerPoint.
Week 12	- Application for home page such as color-darkness, font-size and underline. - Insert the Video, Audio, and Equalization app tab.
Week 13	- The application inserts a set of new slides. - Application to delete a group of slides. - PowerPoint save application. - Review.
Week 14	- Monthly Test.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Computer basics represented by the difference between a computer and a human being, number, programs, memory size, and everything related to computer basics.	No
Recommended Texts	Apply to create the folder, change its name, show it, hide it, copy it, paste it, cut it, change the screen scroll, apply the right mouse commands, and everything related to basic computer basics in practice.	No
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	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.

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (اللغة الانكليزية)

Module Information			
معلومات المادة الدراسية			
Module Title	English Language I		Module Delivery
Module Type	S		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	UOF-101		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Muhammed F. Abdulrazaq	e-mail	Muhammed22286@uofallujah.edu.iq
Module Leader's Acad. Title	Asst. Lecture	Module Leader's Qualification	MSc
Module Tutor	Muhammed F. Abdulrazaq	e-mail	Muhammed22286@uofallujah.edu.iq
Peer Reviewer Name	Asst. Prof. Dr.Ahmad Aziz Darweesh	e-mail	Ahmad.darweesh@uofallujah.edu.iq
Scientific Committee Approval Date	١/٧ / 2023	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	<p>Unit One - Describing people and All types of Adjectives (What is your Story):</p> <ul style="list-style-type: none"> Students will learn to describe people using different types of adjectives. They will understand the various categories of adjectives and their usage. Students will be able to construct sentences with descriptive adjectives. <p>Unit Two - Tenses and Parts of speech (Language Matters):</p> <ul style="list-style-type: none"> Students will comprehend different verb tenses and their usage in sentences. They will learn about the various parts of speech and their roles in sentence structure. Students will be able to identify and use different tenses and parts of speech accurately. <p>Unit Three: Verbs and Vocabulary for Leisure Activities</p> <ul style="list-style-type: none"> Expand vocabulary related to leisure activities and hobbies. Learn new verbs and expressions used when discussing leisure and free time.

	<ul style="list-style-type: none"> Describe personal hobbies and interests using appropriate vocabulary and sentence structures. Engage in conversations about leisure activities. <p>Unit Four - "Tales of the Unexpected":</p> <ul style="list-style-type: none"> Learning and understanding narrative tenses (e.g., past simple, past continuous, past perfect) to recount stories and events. Improving spelling and pronunciation of common words and phrases used in narratives. Practicing reading comprehension and writing skills through engaging stories and texts. <p>Unit Five - "Rights and Wrongs":</p> <ul style="list-style-type: none"> Exploring models and related verbs to express opinions, suggestions, and preferences. Understanding and using phrasal verbs in different contexts. Developing communication skills to discuss ethical and moral issues. <p>Unit Six - "Easier Said than Done":</p> <ul style="list-style-type: none"> Mastering the usage of the present perfect tense and adverbs in various situations. Enhancing speaking and writing abilities through exercises and discussions using the present perfect tense. Understanding the nuances of adverbs and their placement in sentences.
<p>Module Learning Outcomes</p> <p>مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"> Engage the students in real communication to practice speaking skill. Divide the students into groups to practice writing skill. Ask the students to learn and grasp the words that describe family members. Distinguish among the different rules used in texts. Analyze the sentences depending on their grammatical structures. Differentiate between the word-system in students' mother tongue and the target language. Draw certain conclusions after understanding the given texts.
<p>Indicative Contents</p> <p>المحتويات الإرشادية</p>	<p>Indicative content includes the following.</p> <p>In this course, students are directed to practice what they are taught throughout the semester. They are encouraged to work on collecting important notes during the session to be able to utilize the learned materials later on. It's important to use certain aids to help understand the lesson. Moreover, students should be directed to write certain meaningful and grammatical paragraphs. They should understand the texts to be able to answer questions given in the quizzes, mid-term and final examination.</p>

<p>Learning and Teaching Strategies</p> <p>استراتيجيات التعلم والتعليم</p>	
<p>Strategies</p>	<p>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 global thinking skills. This will be achieved through classes interactive communication, by performing and involving the four English skills, the receptive and productive ones, reading, listening, writing and speaking. Some practical activities will be beneficial and interested to the students like engaging them in a communicative situation, asking them to practice a role-changing activity and so on.</p>

<p>Student Workload (SWL)</p> <p>الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا</p>			
<p>Structured SWL (h/sem)</p> <p>الحمل الدراسي المنتظم للطالب خلال الفصل</p>	<p>٤٤</p>	<p>Structured SWL (h/w)</p> <p>الحمل الدراسي المنتظم للطالب أسبوعيا</p>	<p>2</p>

Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	٦	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	1.33
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	10% (10)	5 and 10	LO #1, #2 and #10, #11
	Assignments	-	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	-	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO #1 - #7
	Final Exam	1hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Hello! How are you? What's this in English? Good morning!
Week 2	Your world, What's his name? Contractions, Countries, Where are they from? Numbers
Week 3	All about you! What's his address? Personal information, Social expressions
Week 4	Family and friends! Possessive adjectives, Describing a friend, The alphabet
Week 5	The way I live! Present simple I/they/we/you, Sports/Food/Drinks, Language and nationalities, How much is it? Numbers
Week 6	Every day! Present simple he/she, Saying the time, Words go together, Days of the week, Prepositions of time on/at/in
Week 7	Mid-term exam for the materials given above
Week 8	My favorites! Make questions who, where, how, why... ect. Opposite adjectives, A holiday postcard
Week 9	Where I live? There's/'re, Directions, Go straight on, Turn right... ect.
Week 10	Time past! Was/were born, Saying years, When's your birthday?
Week 11	We had a great time! Regular v.s Irregular verbs, Time expressions, Making conversation
Week 12	I can do that! Show ability can/can't, Verb+noun, Adjective+noun
Week 13	Please and thank you! I'd like, Some v.s any, Making offers
Week 14	Here and now! Present continuous v.s Present simple, Colours and clothes, What's the matter?
Week 15	It's time to go! Future plans, Means of transport, Social expressions
Week 16	Preparation for the final examination

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	None
Week 2	None

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Soars, L. (2009). New headway Plus: Beginner Student's Book.	No

Recommended Texts	Soars, L. (2009). New headway Plus: Beginner Working Book.	No
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	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.				

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (اللغة العربية)

Module Information			
معلومات المادة الدراسية			
Module Title	Arabic		Module Delivery
Module Type	S		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	UOF-102		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Amir Morad Mull Ali	e-mail	Amir.murad@uofallujah.edu.iq
Module Leader's Acad. Title	Asst. Lecture	Module Leader's Qualification	MSc
Module Tutor	Amir Morad Mull Ali	e-mail	Amir.murad@uofallujah.edu.iq
Peer Reviewer Name	Khalid Mohammed Mahel	e-mail	Khalid.mohammedm@uofallujah.edu.iq
Scientific Committee Approval Date	١ / ٧ /2023	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	Teaching students writing skills at the level of spelling, grammar and morphology, as well as teaching students the method of analyzing the literary text by referring to significant literary texts.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	-Oral and Written Communication Graduates will be able to formally communicate the results investigations using both oral and written communication skills. -Scientific Knowledge Graduates will be able to demonstrate a balanced concept of how scientific knowledge develops, including the historical development of foundational theories and laws and the nature of science. -Critical Thinking Graduates will be able to use critical-thinking and problem-solving skills to develop a research project and/or paper
Indicative Contents	In congruence with the teaching and learning strategy of the college, the following tools are used:

المحتويات الإرشادية	<ol style="list-style-type: none"> I. Class lectures, interactive learning (class discussions, group work) video presentations, and practical problems solved in class. II. Exercises and primary source documents are assigned as homework, the solutions of which are reviewed in class III. Office hours: students are encouraged to make full use of the office hours of their instructor, where they can ask questions, see their exam paper, and/or go over lecture/lab material. IV. Use of a blackboard site, where instructors post lecture notes, assignment instructions, timely announcements, as well as additional resources
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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, interactive tutorials and by considering types of simple experiments involving some sampling activities that are interesting to the students.
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Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	30	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	3.5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	20	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	1.46
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	50		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5 and 10	LO #٢, #٤ and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #٥ and #٧, #٩
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #٣, #٤ and #١١
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 الاسبوعي النظري

	Material Covered
Week 1	الجملة الاسمية (المبتدأ والخبر)
Week 2	الاسماء المعربة بالحروف

Week 3	النواسخ أن و اخواتها
Week 4	كان و اخواتها
Week 5	الجملة الفعلية (الأفعال الخمسة)
Week 6	الفاعل ونائب الفاعل
Week 7	المفاعيل / مفعول به
Week 8	امتحان نصفي
Week 9	مفعول لأجله / ومعه / ومطلق
Week 10	التفسير البياني لبعض من سورة الكهف
Week 11	معاني القرآن في سور متفرقة
Week 12	الشعر الجاهلي، امرؤ القيس نموذجاً
Week 13	الشعر الحر، بدر شاكر السياب
Week 14	تطبيقات عملية / للمعارف
Week 15	امتحان نهائي

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts		No
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 جداً	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.

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (ميكانيك)

Module Information			
معلومات المادة الدراسية			
Module Title	Mechanics		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	MPH-121		
ECTS Credits	8		
SWL (hr/sem)	200		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Ahmed Hussein Ali	e-mail	Ahmed.hussein.ali@uofallujah.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ph.D.
Module Tutor	Ahmed Hussein Ali	e-mail	Ahmed.hussein.ali@uofallujah.edu.iq
Peer Reviewer Name	Assist. Prof. Dr. Ahmad Aziz Darweesh	e-mail	Ahmad.darweesh@uofallujah.edu.iq
Scientific Committee Approval Date	١ / ٧ /2023	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	Electricity and Magnetism	Semester	2

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1- To learn the subject of mechanics and some interesting and important applications. 2- Understanding Kinetic energy, work, potential energy and conservative force. 3- To understand concepts of constraints, degrees of freedom Limitations of Newtonian mechanics and the concept of generalized co-ordinate. 4- To solve the two-dimensional projectile motion problems. 5- To investigate force and conservation laws. 6- To understand Kepler's laws of planetary motion and relate its importance. 7- Understanding the Euler Lagrange Equation.
Module Learning Outcomes	- Analyze the world around them from a physics point of view; Contrast fundamental concepts of mechanics. - Apply mechanics to situations in the everyday world.

مخرجات التعلم للمادة الدراسية	<ul style="list-style-type: none"> - Apply classical mechanics equations to solving practical problems. - State Kepler's laws of planetary motion and relate its importance. - Research, write and present a paper on a related topic.
Indicative Contents المحتويات الإرشادية	<ul style="list-style-type: none"> a. Newton's Laws <ul style="list-style-type: none"> • Classical mechanics, Space and time, mass and force, Newton's three laws of motion, polar coordinates. b. Projectiles <ul style="list-style-type: none"> • Linear and quadratic air resistance, trajectory and range with air resistance. c. Momentum & Angular Momentum <ul style="list-style-type: none"> • Conservation of momentum, rockets, center of mass, angular momentum of a single particle and several particles d. Energy <ul style="list-style-type: none"> • Kinetic energy and work, potential energy and conservative force, potential gradient, one dimensional potentials, central forces, multi particle systems e. Oscillations <ul style="list-style-type: none"> • Hooke's Law, simple harmonic motion, 2-D oscillators, damped and driven oscillators, resonance, Fourier series and driven oscillators f. Calculus of Variations & Lagrange's Equations <ul style="list-style-type: none"> • Euler-Lagrange Equations, examples and applications, unconstrained motion, constrained systems, generalized momenta and ignorable coordinates, proof of Lagrange's equations, examples and applications. g. Two-Body Central Forces <ul style="list-style-type: none"> • CM and relative coordinates, equations of motion, equivalent 1-D problem, orbit equation, Newtonian gravity, Kepler problem, bound and unbound orbits.

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 types of simple experiments involving some sampling activities that are interesting to the students.
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ 15 اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	130	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	8
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	70	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.6
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 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #5 and #8, #10

	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #9 and #11
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Newton's laws
Week 2	Projectiles & Charges
Week 3	Momentum & Angular Momentum
Week 4	Energy
Week 5	Oscillations
Week 6	Calculus of Variations
Week 7	Lagrange's Equations
Week 8	First month exam
Week 9	Two-Body Central Forces
Week 10	Noninertial Frames
Week 11	Rigid Body Motion
Week 12	Coupled Oscillators
Week 13	Second month exam
Week 14	Hamiltonian Mechanics
Week 15	Collision Theory
Week 16	Relativistic Motion

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Micrometer
Week 2	Glass refractive index by Microscope
Week 3	The acceleration of free fall by means of simple pendulum
Week 4	Young Modulus
Week 5	Spiral Spring
Week 6	Viscosity of the medium

Week 7	Density of a liquid
Week 8	Static Frictional Force
Week 9	Sliding Frictional Force
Week 10	Rolling Frictional Force
Week 11	Volume and Density of solid
Week 12	Equilibrium of Forces
Week 13	Projectile Motion

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Classical Mechanics”, J.R. Taylor, ISBN-10: 1-891389-22-X	No
Recommended Texts	“Analytical Mechanics”, G.R. Fowles and G.L. Cassiday, (Brooks Cole, 2005) 7th Edition, and “Classical Dynamics of Particles and Systems”, S.T. Thornton and J.B. Marion (Brooks Cole, 2005) 5th Edition	No
Websites	https://www.amazon.com/Classical-Mechanics-John-R-Taylor/dp/189138922X	

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.				

Dr. Ahmed Hussein Ali

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (الرياضيات II)

Module Information			
معلومات المادة الدراسية			
Module Title	Mathematics II		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Seminar <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical
Module Code	MPH-122		
ECTS Credits	7		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Ahmad Aziz Darweesh	e-mail	Ahmad.darweesh@uofallujah.edu.iq
Module Leader's Acad. Title	Assistant Prof.	Module Leader's Qualification	PH.D
Module Tutor	Ahmad Aziz Darweesh	e-mai	Ahmad.darweesh@uofallujah.edu.iq
Peer Reviewer Name	Assist. Prof. Dr. Batool Eneaze Bandar	e-mai	Batoolen@uofallujah.edu.iq
Scientific Committee Approval Date	1/7 / 2023	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	Mathmatics-I	Semester	2

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> To develop problem solving skills and understanding of Ordinary differential Equations. To understand Initial Conditions and Boundary Conditions, Homogeneous Equation and Exact Differential Equations. This course deals with the basic concept of differential Equations with the methods for solving in different types. This is the basic subject for all differential Equations. To understand Initial Conditions and Boundary Conditions, Homogeneous Equation and Exact Differential Equations problems. To perform and solve the differential equation (D.E) by using the separating variables method and First-Order Differential Equations.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> Understand differential Equations and how to connect with other application. To be educated differential Equations. General Solution: A general solution represents a family of functions that satisfy the differential equation. It contains one or more arbitrary constants,

	<p>which can be determined by applying appropriate initial or boundary conditions.</p> <ol style="list-style-type: none"> Particular Solution: A particular solution is a specific function that satisfies the differential equation along with given initial or boundary conditions. It can be obtained by applying specific values to the arbitrary constants in the general solution. For certain types of differential equations, it is important to determine if a solution exists and whether it is unique. The theory of differential equations provides conditions under which solutions exist and are unique within a given domain. Define Ohm's law. Differential equations can be visualized using phase portraits, which plot the behavior of solutions in a multidimensional space. Phase portraits provide insights into the long-term behavior of a system and can help identify stable and unstable equilibrium, limit cycles, and other dynamic phenomena. 		
<p>Indicative Contents المحتويات الإرشادية</p>	<p>Indicative content includes the following. When studying differential equations (D.E.), the indicative contents typically include the following topics:</p> <p>1-Introduction to Differential Equations: Definition of a differential equation, order and degree of a differential equation, classification of differential equations (ordinary vs. partial), and examples illustrating the need for differential equations in various fields.</p> <p>First-Order Differential Equations: Solution techniques for first-order differential equations, including separable variables, exact equations, integrating factors, and linear equations. Applications of first-order differential equations in growth and decay problems, population dynamics, and mixing problems.</p> <p>Second-Order Linear Differential Equations: Homogeneous and non-homogeneous linear differential equations of second order. Solution techniques, such as finding the complementary solution and particular solution, using the method of undetermined coefficients and variation of parameters.</p> <p>Higher-Order Linear Differential Equations: Extension of solution techniques to higher-order linear differential equations. Characteristic equation, roots, and general solutions. Applications in physics and engineering.</p> <p>Systems of Differential Equations: Introduction to systems of first-order differential equations. Solution techniques such as matrix methods, eigenvalues, and eigenvectors.</p>		
<p>Learning and Teaching Strategies استراتيجيات التعلم والتعليم</p>			
<p>Strategies</p>	<p>The primary tactic that will be used in the instruction of this module is going to be to emphasize the need of active engagement from the students in the exercises, while simultaneously honing and extending their capacity for critical thinking. This will be accomplished via the use of lectures, interactive tutorials, and discussion of various sorts of straightforward experiments that include certain sampling tasks that the students find fascinating.</p>		
<p>Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا</p>			
<p>Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل</p>	88	<p>Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا</p>	6
<p>Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل</p>	62	<p>Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا</p>	4.1
<p>Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل</p>	150		

Module Evaluation

تقييم المادة الدراسية

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

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

Week	Material Covered
Week 1	First-Order Differential Equations
Week 2	First-Order Differential Equations, General First-Order Differential Equations and Solutions
Week 3	First-Order Linear Equations, Solving Linear Equations
Week 4	First-Order Linear Equations
Week 5	Applications, Resistance Proportional to Velocity
Week 6	Euler's Method
Week 7	Mid-term Exam
Week 8	Second-Order Differential Equations, Second-Order Linear Equations
Week 9	Constant-Coefficient Homogeneous Equations
Week 10	Constant-Coefficient Homogeneous Equations
Week 11	Nonhomogeneous Linear Equations
Week 12	Nonhomogeneous Linear Equations
Week 13	Applications, Vibrations, Simple Harmonic Motion and Damped Motion
Week 14	Euler Equations
Week 15	Exam
Week 16	Preparatory week before the final Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	1. Thomas' Calculus, 11th Edition	- الكتب المقررة المطلوبة Required textbooks
Recommended Texts	3. Professors lectures. 4. The internet.	Recommended books and references (scientific journals, reports)
Websites	Electronic references, websites Virtual library Library locations in some international universities	

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.

Asst. prof. Ahmad Aziz Darweesh

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (احياء عامة)

Module Information			
معلومات المادة الدراسية			
Module Title	General Biology		Module Delivery
Module Type	Basic		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	MPH-123		
ECTS Credits	8		
SWL (hr/sem)	200		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Dr. Yousif Rafea Jumaah	e-mail	yousif.r.alani@ uofallujah.edu.iq
Module Leader's Acad. Title	Assistant Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Dr. Yousif Rafea Jumaah	e-mail	yousif.r.alani@ uofallujah.edu.iq
Peer Reviewer Name	Dr. Roua Jamal Abdulkhaliq	e-mail	roua.jamal@uofallujah.edu.iq
Scientific Committee Approval Date	١/٧ / 2023	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	<ol style="list-style-type: none"> 1. Introducing the student to how to examine organisms and tissues using a microscope. 2. Introducing him to the microorganisms that are pathogenic to humans (how to write their scientific names). 3. The diseases resulting from them.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. Recognize how does the cell form tissues and organs. 2. List the various terms associated with cell. 3. Define the cell theory. 4. Define the basic parts of a cell. 5. How do the parts of a cell work together? 6. Describe each part of the cell separately. 7. How does the Cytoskeleton Supports Eukaryotic Cells? 8. Structures found in animal cells but not in plant cells. 9. Structures found in plant cells but not in animal cells. 10. Recognize how does cell division & MITOSIS. 11. Recognize how does a cell cycle and MEIOSISI. 12. How can the student distinguish between MITOSIS and MEIOSISI? 13. Define the basic parts of a bacterial cell.

	<p>14. Define the basic parts of a virus molecule.</p> <p>15. How can the student distinguish between bacteria and viruses?</p>
<p>Indicative Contents المحتويات الإرشادية</p>	<p>Part A - General introduction to Biology Branches of Biology General characteristics of prokaryotes, fungi, Protista, Anamilia and Plantae classification of organisms. [15 hrs] Introduction to Cytology or Cell Biology. Cell membrane, Functions of the cell membrane [15 hrs] Nucleus, Nuclear envelope and Chromosomes. Nucleic acid as a Genetic Material, Gene, Genetic code and Gene expression. [10 hrs] Proteins, essential functions of proteins and Proteins Has Four Levels of Organization. The Cytoskeleton Supports Eukaryotic Cells. [15 hrs] Revision problem classes [6 hrs]</p> <p>Part B - Cell division Cell division & MITOSIS [15 hrs] A Cell cycle and MEIOSISI. [7 hrs] Bacteria, Shape & Size, Arrangement, Gram-staining characteristics, and Structure Of Bacterial Cell. Viruses, characteristics of Viruses and Viruses are said to have five specific properties that distinguish them from living cells. [15 hrs]</p>

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	<p>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 types of simple experiments involving some sampling activities that are interesting to the students.</p>

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	130	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	8
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	70	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.6
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 and 10	LO #1, #3 and #٦, #11	
	Assignments	2	10% (10)	2 and 12	LO #3, #٤ and #8, #9	
	Projects / Lab.	1	10% (10)	Continuous	All	
	Report	1	10% (10)	13	LO #5, #8 and #9	
		Midterm Exam	1hr	10% (10)	7	LO #1 - #7

Summative assessment	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction - General introduction to Biology and Branches of Biology
Week 2	Main characteristics of the four basic types of tissues.
Week 3	General characteristics of prokaryotes, fungi, Protista, Animalia and Plantae
Week 4	Classification of organisms
Week 5	Introduction to Cytology or Cell Biology.
Week 6	Cell membrane, Functions of the cell membrane.
Week 7	Nucleus, Nuclear envelope and Chromosomes.
Week 8	Nucleic acid as a Genetic Material, Gene, Genetic code. and Gene expression.
Week 9	Proteins, essential functions of proteins and Proteins Has Four Levels of Organization.
Week 10	The Cytoskeleton Supports Eukaryotic Cells.
Week 11	Specialized plant organelles (Chloroplasts and Other Plastids and Central Vacuole)
Week 12	Cell division & MITOSIS
Week 13	A cell cycle and MEIOSIS
Week 14	Bacteria, Shape & Size, Arrangement, Gram-staining characteristics, and Structure of Bacterial Cell.
Week 15	Viruses, characteristics of Viruses and Viruses are said to have five specific properties that distinguish them from living cells.
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Lab 1: Introduction to CELL
Week 2	Lab 2: Introduction to Parasitology
Week 3	Lab 3: Parasitology
Week 4	Lab 4: Parasitology
Week 5	Lab 5: Parasitology
Week 6	Lab 6: Parasitology
Week 7	Lab 7: Parasitology
Week 8	Lab 8: Introduction to Histology
Week 9	Lab 9: Histology
Week 10	Lab 10: Histology
Week 11	Lab 11: Histology
Week 12	Lab 12: Histology
Week 13	Lab 13: Histology
Week 14	Lab 14: Histology

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Campbell, N.A., Urry, L.A., Cain, M.L. and et al., (2021). Biology .12 ed. Pearson Benjamin Cummings. San Francisco, USA.	Yes

Recommended Texts	Mason, K.A., Losos, J.B., and Singer.S.R, (2017). Biology.11 ed. McGraw-Hill Education, USA.	Yes
Websites	https://vetbooks.ir/?s=lippincott&fbclid=IwAR12okqccqBcCQorPjWFvbaOoLvqG5GjeIDFlxNcB8jQyUnLk-ExQ0QgCr6l	

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
<p>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.</p>				

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (الإحصاء الحيوي)

Module Information			
معلومات المادة الدراسية			
Module Title	Biostatistics		Module Delivery
Module Type	Basic		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	MPH-124		
ECTS Credits	8		
SWL (hr/sem)	200		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Mohammed Oudah Salman	e-mail	dr.mohammedodehsalman@uofallujah.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ph.D.
Module Tutor	Mohammed Oudah Salman	e-mail	dr.mohammedodehsalman@uofallujah.edu.iq
Peer Reviewer Name	Asst. Prof. Dr. Dhaidan Khalaf Kafi	e-mail	dhidankhalaf@uofallujah.edu.iq
Scientific Committee Approval Date	١/٧ / 2023	Version Number	1.0

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

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	

<p>Module Objectives</p> <p>أهداف المادة الدراسية</p>	<p>The aim of this module is to provide students with a comprehensive understanding of biostatistics as it applies to medical physics. Students will acquire the necessary skills to critically analyze and interpret biomedical data, enabling them to make informed decisions in a medical physics context.</p>
<p>Module Learning Outcomes</p> <p>مخرجات التعلم للمادة الدراسية</p>	<ul style="list-style-type: none"> • Understand Fundamental Biostatistical Concepts. • Apply Statistical Methods in Medical Physics to analyze and interpret data relevant to medical physics, including experimental design, hypothesis testing, and regression analysis. • Interpret Biomedical Data ensuring accurate and meaningful representation of statistical results. • Utilize Statistical Software tools to conduct analyses and visualize data, enhancing technical skills in data manipulation and interpretation. • Evaluate Research Studies discerning the validity and reliability of statistical analyses.
<p>Indicative Contents</p> <p>المحتويات الإرشادية</p>	<ul style="list-style-type: none"> • Introduction to Biostatistics: Definition and scope Basic statistical terms and concepts Descriptive Statistics: Measures of central tendency and dispersion Data visualization techniques • Probability Distributions: Discrete and continuous distributions Probability density functions • Inferential Statistics: Hypothesis testing Confidence intervals • Experimental Design: Randomized controlled trials Observational studies • Regression Analysis: Simple and multiple regression Analysis of variance (ANOVA) • Statistical Software Applications: Hands-on sessions with relevant statistical software tools • Critical Appraisal of Medical Physics Research: Assessing statistical methods in published studies Understanding limitations and potential biases

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, interactive tutorials and by considering types of simple experiments involving some sampling activities that are interesting to the students.
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ 15 اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	130	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	8
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	70	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.6
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 and 10	LO #5, #6 and #11, #12
	Assignments	2	10% (10)	2 and 12	LO #11, #12 and #13, #14

	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #12, #13 and #14
Summative assessment	Midterm Exam	1 hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Biostatistics 1-Fundamental Concepts 2-Presentation of Data
Week 2	3-Measures of Central Tendency 4-Measures of Dispersion
Week 3	Data analysis Types of Variables
Week 4	Statistical data representation 1-Tabular Presentation (Table Presentation of Data)
Week 5	2-Graphic Presentation
Week 6	2-Graphic Presentation
Week 7	Measures of central tendency 1-Arithmetic Mean
Week 8	Mid-term Exam + Oscillations
Week 9	2-Median and similar Measures
Week 10	3-Mode
Week 11	4-Geometric Mean

Week 12	5-Root Mean Squares 6-Harmonic Mean
Week 13	Measures of dispersion (variability) 1- the range 2-The standard deviation (S)
Week 14	3- Variance (dispersion) (S^2) 4- The standard error (SE)
Week 15	5- Coefficient of Variation
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Introduction to Biostatistics and SPSS Overview of biostatistics and its applications in health sciences
Week 2	Introduction to SPSS interface, data entry, and data manipulation
Week 3	Descriptive Statistics Using SPSS Measures of central tendency and dispersion Frequency distributions and graphical representation of data in SPSS
Week 4	Probability Distributions and Hypothesis Testing Probability distributions and their relevance Introduction to hypothesis testing using SPSS
Week 5	Inferential Statistics Using SPSS Confidence intervals and p-values One-sample and two-sample t-tests in SPSS
Week 6	Analysis of Variance (ANOVA) in SPSS One-way and two-way ANOVA Post hoc tests and interpretation of ANOVA results in SPSS
Week 7	Regression Analysis and Correlation Using SPSS Simple and multiple regression analysis Correlation analysis in SPSS

Week 8	Ethical Considerations and Reporting in SPSS
	Ethical considerations in data analysis Reporting and interpreting results in SPSS

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Biostatistics: A Methodology For the Health Sciences, 2nd Edition, Gerald van Belle, Lloyd D. Fisher, Patrick J. Heagerty, Thomas Lumley, ISBN: 978-0-471-03185-7	No
Recommended Texts	Teaching Biostatistics in Medicine and Allied Health Sciences, Damian J. J. Farnell, Renata Medeiros Mirra	No
Websites	https://guides.library.umass.edu/bioepi/web	

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 (جرائم حزب البعث)

Module Information معلومات المادة الدراسية			
Module Title	Crimes of the defunct baath party		Module Delivery
Module Type	Support		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	UOF-103		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Maha Fawaz Kazem	e-mail	Maha.f.kazem@uofallujah.edu.iq
Module Leader's Acad. Title	Asst. Lecture	Module Leader's Qualification	MSc
Module Tutor	Maha Fawaz Kazem	e-mail	Maha.f.kazem@uofallujah.edu.iq
Peer Reviewer Name	Khalid Mohammed Mahel	e-mail	Khalid.mohammedm@uofallujah.edu.iq
Scientific Committee Approval Date	23 / 8 /2023	Version Number	1.0

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	Human Rights and Democracy	Semester	2

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	<ul style="list-style-type: none"> العمل على منهجية المشاركة والتفاعل في عملية التعليم لدى الطلاب من خلال تناول المهارات والمواقف والمعارف المتعلقة بجرائم حزب البعث . تعريف الطالب على مفاهيم جرائم حزب البعث التي أصدرتها وزارة التعليم العالي العراقية منهاج دراسي جديد ضمن مناهج الجامعات الحكومية والأهلية تحمل عنوان " جرائم حزب البعث البائد " ، وتتعلق بالجرائم ضد الانسانية التي ارتكبت خلال 35 سنة من حكم حزب البعث للبلاد . زيادة معرفة الطالب بالجانب المفاهيمي النظري والتطور التاريخي لمادة جرائم حزب البعث . تنمية مهارات الطالب التحليلية والنقدية فيما يتعلق بواقع ومستقبل الشعب والوقوف على الانتهاكات التي كانت تمارس من قبل حزب البعث والجرائم البشعة بحق الشعب العراقي . تدريب الطالب على اهمية المشاركة الفاعلة في جوانب الحياة العامة كتعزيز احترام مبادئ حقوق الانسان العامة والمشاركة الفاعلة في الحياة السياسية والثقافية واحتكار السلطة التنفيذية والتشريعية حكر على مجلس قيادة حزب البعث .

جمهورية العراق / وزارة التعليم العالي والبحث العلمي
جامعة الفلوجة - كلية العلوم التطبيقية- قسم الفيزياء الطبية

	<ul style="list-style-type: none"> • تمكن الطالب من فهم سياسة حزب البعث من جراء الحروب التي أدت إلى اختلاف بنية الغلاف الجوي بسبب زيادة المواد الكيميائية التي نتجت عن الانفجارات ومن الأسلحة الكيميائية والإشعاعات الذي أثر في الإنسان والحيوانات والنباتات أيضاً . • تكمن أهمية دراسة جرائم حزب البعث ، التي لها اشكال متعددة ، جرائم ضد الانسانية ، انتهاكات لحقوق الانسان ، ابادات جماعية ، وغيرها من الموضوعات التي يمكن أن تكون منطلقاً للدراسة .
<p>Module Learning Outcomes</p> <p>مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"> 1. امداد الطلاب بأكثر قدر ممكن من المعلومات والمعارف التي تمكنهم من الوقوف على جرائم حزب البعث البائد لتمكين الطالب من فهم جرائم التي ارتكبها حزب البعث ضد الشعب العراقي 2. اكساب الطلاب القدرة على التعلم الذاتي والتعلم المستمر والامام بالمادة وفهم كون الحقوق تقتصر على حزب البعث البائد وهذا المفهوم يتنافى مه أهم المبادئ التي ستند إليها الحقوق السياسية التي هي الحرية والمساواة . 3. مشاركة الطلبة بالمادة جرائم حزب البعث ومناقشتها بطريقة علمية وذلك للوقوف الاستبدادية أو الدكتاتورية على مصادرة تلك الحقوق والحریات أو تقييدها سواء أكانت تلك الحقوق طبيعية أم شخصية ، أم سياسية ، أم اجتماعية ، أم فكرية ، أم ثقافية . 4. امكانية جعل الطالب واعياً لمادة جرائم حزب البعث والاستفادة منها على اكبر قدر ممكن لما قدم حزب البعث من انتهاكات الحقوق والحریات . 5. كتابة التقارير. 6. مناقشة بعض الحالات الخاصة بالمقررات ذات الطبيعة النظرية او العملية والتي تصب في دعم المادة جرائم حزب البعث البائد .
<p>Indicative Contents</p> <p>المحتويات الإرشادية</p>	<ul style="list-style-type: none"> • التقييم عن طريق ورقة الاسئلة . • كتابة التقارير. • المناقشات العلمية المختلفة الخاصة بموضوع المحاضرة. • التحاور والنقاش. • الاسئلة ذات التوجه الفكري. • التعلم التعاوني.. وذلك تقسيم الطالب إلى مجموعات صغيرة تتكون من 4-6 طلاب في المجموعة وتمكينهم من مناقشة أفكار الدرس المختلفة بعد تضمينها المعلومات التي تتعلق بقضية أو مشكلة تتعلق بجرائم حزب البعث البائد ويطلب من الطالب تحليلها وإبداء الرأي حولها ومناقشتها امام كافة زملاء الصف. • دراسة الحالة Case Study وذلك من خلال عرض الحالة موضوع الدراسة إي المشكلة المتعلقة بجرائم حزب البعث البائد في صورة قصة غير منتهية ويطلب من الطلاب من خلال أسئلة تُعيرها مسبقاً ان يحلوا القصة، ويناقشوها، ويبدوا آراءهم حول مضامينها، ومن ثم يصنعون النهاية المناسبة.

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

<p>Strategies</p>	<ol style="list-style-type: none"> 1- اسلوب المحاضرة إذا تخلل المحاضرات الحوار الهادف والمناقشة البناءة بين الطالب والاستاذ . 2- التعلم التعاوني.. وذلك تقسيم الطلبة إلى مجموعات صغيرة تتكون من 4-6 طلاب في المجموعة وتمكينهم من مناقشة أفكار الدرس المختلفة بعد تضمينها المعلومات التي تتعلق بقضية أو مشكلة تتعلق بجرائم حزب البعث البائد ويطلب من الطالب تحليلها وإبداء الرأي حولها ومناقشتها امام كافة زملاء الصف. • دراسة الحالة Case Study وذلك من خلال عرض الحالة موضوع الدراسة إي المشكلة المتعلقة بجرائم حزب البعث في صورة قصة غير منتهية ويطلب من الطلاب من خلال أسئلة تُعيرها مسبقاً ان يحلوا القصة، ويناقشوها، ويبدوا آراءهم حول مضامينها، ومن ثم يصنعون النهاية المناسبة.
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Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	3٠	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	٢٠	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.3
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	10% (10)	5 and 10	LO #1, #2 and #9, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #5 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #3, #8 and #9
Summative assessment	Midterm Exam	١hr	10% (10)	7	LO #1 - #9
	Final Exam	١hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
Week	Material Covered
Week 1	انتهاكات الحقوق والحريات
Week 2	نبذة وصفية عن الأنظمة السياسية في العراق (١٩٢١-٢٠٠٣)
Week 3	انتهاكات النظام البعثي للحقوق والحريات العامة
Week 4	أثر سلوكيات النظام البعثي في المجتمع ، وتسلمه على الدولة
Week 5	امتحان يومي
Week 6	الميدان النفسي
Week 7	الميدان الاجتماعي
Week 8	الدين والدولة
Week 9	الثقافة والاعلام وعسكرة المجتمع
Week 10	أثر القمع والحروب على البيئة والسكان
Week 11	استعمال الاسلحة المحرمة دوليا والتلوث البيئي
Week 12	امتحان يومي
Week 13	سياسة الارض المحروقة ، تجفيف الاهوار والهجرة القسرية
Week 14	تدمير البيئة الزراعية والحيوانية والتلوث الاشعاعي
Week 15	المقابر الجماعية وقصف دور العبادة
Week 16	Preparatory week before the final Exam

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	طارق كامل ، انقراض ثلثي النخيل ، مجلة الفنون والآداب والعلوم الانسانية والاجماع ، العدد ٢٠٢٠ ، ص ٣٥ .	yes
Recommended Texts	معروف بهاء الدين حسين ، التلوث باليورانيوم المستنفذ في العراق ، مجلة الثقافة الجديدة ، العدد ٢٩٦ ، ٢٠٠٠ ، ص ٣٤ .	yes
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	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
<p>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.</p>				

اسم التدريسي مع اللقب العلمي والتوقيع

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية (حقوق الانسان)

Module Information			
معلومات المادة الدراسية			
Module Title	Human Rights and Democracy		Module Delivery
Module Type	Support		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	UOF-104		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	
Administering Department	MPH	College	Applied sciences – Fallujah University
Module Leader	Khalid Mohammed Mahel	e-mail	Khalid.mohammedm@uofallujah.edu.iq
Module Leader's Acad. Title	Asst. Lecture	Module Leader's Qualification	MSc.
Module Tutor	Khalid Mohammed Mahel	e-mail	Khalid.mohammedm@uofallujah.edu.iq
Peer Reviewer Name	Amir Morad Mull Ali	e-mail	Amir.murad@uofallujah.edu.iq
Scientific Committee Approval Date	١/٧ / 2023	Version Number	1.0

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

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	<ul style="list-style-type: none"> العمل على منهجية المشاركة والتفاعل في عملية التعليم لدى الطلاب من خلال تناول المهارات والمواقف والمعارف المتعلقة بحقوق الانسان . تعريف الطالب على لوحة حقوق الانسان التي صدرت في المنظمات العالمية وعلى الجهة التي اصدرتها والمؤتمرات التي عقدت لذلك , وان الانسان له حق طبيعي وليس مكتسب وهذا الحق لا يتجاوز القوانين والانظمة وتعليمه ايضا بان الانسان له حق وعليه واجب احترام الاخرين والقوانين المركبة واحترام الراي الاخر . زيادة معرفة الطالب بالجانب المفاهيمي النظري والتطور التاريخي لمادة الديمقراطية. تنمية مهارات الطالب التحليلية والنقدية فيما يتعلق بواقع ومستقبل حقوق الديمقراطية تدريب الطالب على اهمية المشاركة الفاعلة في جوانب الحياة العامة كتعزيز احترام مبادئ حقوق الانسان العامة والمشاركة الفاعلة في الحياة السياسية والثقافية.

جمهورية العراق / وزارة التعليم العالي والبحث العلمي
جامعة الفلوجة - كلية العلوم التطبيقية- قسم الفيزياء الطبية

	<ul style="list-style-type: none"> • تمكين الطلاب من فهم اهمية التعليم ودوره في نشر ثقافة الديمقراطية في بناء مجتمع حضاري يقوم على أساس الحكم الصالح الذي من اهم مقوماته الإيمان بحقوق الإنسان والتربية عليها والمشاركة الفاعلة في الحكم عبر الانتخابات الحرة والعادلة. • جمع الامثلة والمعلومات من الواقع حول انتهاكات حقوق الانسان ومناقشتها بطريقة علمية ويجاد الحلول للمشكلات التي تواجه الممارسة الديمقراطية في العراق
<p>Module Learning Outcomes</p> <p>مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"> 1. امداد الطلاب باكثر قدر ممكن من المعلومات والمعارف التي تمكنهم من الوقوف على حقوق الانسان من حيث مفهومها واهدافها ومبادئها واهمية تطبيقها في حياتهم ليعرفوا ما لهم من حقوق وما عليهم من واجبات. 2. اكساب الطلاب القدرة على التعلم الذاتي والتعلم المستمر باعتبارهما من اهم اساليب النمو المعرفي والتكيف مع المستجدات العلمية والعملية في مجال حقوق الانسان . 3. ايقاف الطلاب على طرق الافادة من التقنيات المعاصرة التي جاءت بها العولمة والتي تتيح لهم فرص الاطلاع على المعلومات والمعارف المختلفة المتعلقة بحقوق الانسان 4. مكانية جعل الطالب واعياً لحقوق الانسان ليساعد الناس على فهم حقوقهم وواجباتهم. 5. كتابة التقارير. 6. مناقشة بعض الحالات الخاصة بالمقررات ذات الطبيعة النظرية او العملية والتي تصب في دعم المادة
<p>Indicative Contents</p> <p>المحتويات الإرشادية</p>	<ul style="list-style-type: none"> • التقييم عن طريق ورقة الاسئلة . • كتابة التقارير. • المناقشات العلمية المختلفة بموضوع المحاضرة. • التحاور والنقاش. • الاسئلة ذات التوجه الفكري. • التعلم التعاوني.. وذلك تقسيم الطالب إلى مجموعات صغيرة تتكون من 4-6 طلاب في المجموعة وتمكينهم من مناقشة أفكار الدرس المختلفة بعد تضمينها المعلومات التي تتعلق بقضية أو مشكلة تتعلق بحقوق الانسان ويطلب من الطالب تحليلها وإبداء الرأي حولها ومناقشتها امام كافة زملاء الصف. • دراسة الحالة Case Study وذلك من خلال عرض الحالة موضوع الدراسة إي المشكلة المتعلقة بحقوق الانسان في صورة قصة غير منتهية ويطلب من الطلاب من خلال أسئلة تُعبرها مسبقاً ان يحلوا القصة، ويناقشوها، ويبدوا آراءهم حول مضامينها، ومن ثم يصنعون النهاية المناسبة.

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

<p>Strategies</p>	<ol style="list-style-type: none"> 1. اسلوب المحاضرة إذا تخلل المحاضرات الحوار الهادف والمناقشة البناءة بين الطالب والاستاذ . 2. التعلم التعاوني.. وذلك تقسيم الطلبة إلى مجموعات صغيرة تتكون من 4-6 طلاب في المجموعة وتمكينهم من مناقشة أفكار الدرس المختلفة بعد تضمينها المعلومات التي تتعلق بقضية أو مشكلة تتعلق بحقوق الانسان ويطلب من الطالب تحليلها وإبداء الرأي حولها ومناقشتها امام كافة زملاء الصف.
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٣. دراسة الحالة Case Study وذلك من خلال عرض الحالة موضوع الدراسة إي المشكلة المتعلقة بحقوق الانسان في صورة قصة غير منتهية ويطلب من الطلاب من خلال أسئلة تُعيرها مسبقاً ان يحللوا القصة، وبنقاشوها، ويبدوا آراءهم حول مضامينها، ومن ثم يصنعون النهاية المناسبة.

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعاً

Structured SWL (h/sem)	3٠	Structured SWL (h/w)	2
الحمل الدراسي المنتظم للطلاب خلال الفصل		الحمل الدراسي المنتظم للطلاب أسبوعياً	
Unstructured SWL (h/sem)	٢٠	Unstructured SWL (h/w)	1.3
الحمل الدراسي غير المنتظم للطلاب خلال الفصل		الحمل الدراسي غير المنتظم للطلاب أسبوعياً	
Total SWL (h/sem)	50		
الحمل الدراسي الكلي للطلاب خلال الفصل			

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5 and 10	LO #1, #2 and #8, #11
	Assignments	2	10% (10)	2 and 12	LO #3, #4, 5 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #3, #8 and #9
Summative assessment	Midterm Exam	١ hr	10% (10)	7	LO #1 - #10
	Final Exam	١ hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	معنى ومفهوم حقوق الانسان لغة واصطلاحاً
Week 2	حقوق الانسان في الحضارات القديمة حقوق الانسان في الحضارة اليونانية والرومانية
Week 3	حقوق الانسان في الحضارة المصرية وحقوق الانسان في حضارات العراق القديمة
Week 4	حقوق الانسان في الديانات السماوية : في الديانة السماوية والمسيحية واليهودية
Week 5	امتحان يومي
Week 6	مصادر حقوق الانسان في العصر الحديث
Week 7	معنى ومفهوم حقوق الانسان لغة واصطلاحاً
Week 8	التعريف بالديمقراطية (الاطار المفاهيمي)
Week 9	التطور التاريخي لمفهوم الديمقراطية وانواعها

Week 10	السمات الأساسية لمفهوم الديمقراطية.
Week 11	الديمقراطية والمفاهيم المقارنة
Week 12	امتحان يومي
Week 13	الحكومات الديمقراطية مع خصائص النظام الرئاسي والنظام البرلماني
Week 14	. دور احزاب السلطة و المعارضة السياسية في العملية السياسية، فضلاً عن دور وسائل الاعلام في الانظمة الديمقراطية.
Week 15	التعريف بالديمقراطية (الاطار المفاهيمي)
Week 16	Preparatory week before the final Exam

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	هادي, رياض عزيز. (2005). حقوق الانسان (تطورها - مضامينها - حمايتها . (بغداد)	No
Recommended Texts	السندي, ناز. بدرخان. (2012). حقوق الانسان والديمقراطية. كلية التربية ابن رشد للعلوم الانسانية جامعة بغداد. كاظم ، ماهر صبري، حقوق الانسان والديمقراطية والحريات العامة ، ط2، (بغداد ، مطبعة الكتاب 2010)	No
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	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
<p>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.</p>				

اسم التدريسي مع اللقب العلمي والتوقيع