



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



دليل الوصف الاكاديمي للمقررات الدراسية

لمسار بولونيا لعام ٢٠٢٥ / ٢٠٢٦

لكلية الطب البيطري / جامعة ديالى



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First Level

First Semester



Ministry of Higher Education
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MODULE DESCRIPTION FORM OF ENGLISH LANGUGE

نموذج وصف مادة اللغة الانكليزية

Module Information			
معلومات المادة الدراسية			
Module Title	English Language	Module Delivery	
Module Type	B	<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	UD11		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	UGI		
Administering Department	Veterinary Public Health	College	College of Veterinary Medicine
Module Leader	Arkan Adnan Hamdy	e-mail	arkanhamdy@gmail.com
Module Leader's Acad. Title	Asst. Lect.	Module Leader's Qualification	MA in English
Module Tutor		e-mail	
Peer Reviewer Name	Ahmed Jassim Mohammed	e-mail	Ahmed.j@uodiyala.edu.iq
Scientific Committee Approval Date	١٠/١٠/٢٠٢٥	Version Number	1.0



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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	The module aims to develop the students' English skills in reading, listening and speaking.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<p>The students are going to:</p> <ol style="list-style-type: none"> ١. Get the basic information of English Grammar. ٢. Be able read and understand various texts in English. ٣. Answer simple comprehension questions and match sentences about texts. ٤. Understand what the speakers says. ٥. Identify specific information in a text.
Indicative Contents المحتويات الإرشادية	<p>Indicative content includes the following:</p> <ol style="list-style-type: none"> i) Grammar and structures which represent the center topics of the semester like tenses, passive, and Conditional sentence. ii) Reading Comprehension which consists of four passages. iii) A wide variety of practice tasks in all the four skills are essential to language learning. iv) Everyday expressions and conversation, particularly of spoken English.

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	<p>Learning and Teaching Strategies are:</p> <ul style="list-style-type: none"> • Help learners to be fully engaged in the listening process and provide feedback to show their understanding. • Teach learners active listening strategies such as paraphrasing, summarizing, and asking questions • Use Reading strategies like: Previewing, Asking and Answering Questions, Summarizing and Scanning.
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- Encourage students to participate grammar topic.

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	2.1
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	1.1
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	١٠% (١٠)	7 and 14	LO #1, #2 #,٣,and #٦ #7#8
	Assignments	1	10% (10)	9 and 13	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	8	LO 7 and 8
	Report	١	١٠% (10)	Continuous	LO #5, #8 and #9
Summative assessment	Midterm Exam	2hr	10% (10)	9	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	Tenses and Conditional sentence
Week 2	Passage
Week 3	Request and Ability
Week 4	Listening comprehension
Week 5	Possibility and Obligation
Week 6	Passive voice and Direct and indirect speech



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University of Diyala



Week 7	Passage
Week 8	contrast and Opinion
Week 9	Midterm examination
Week 10	Listening comprehension
Week 11	Passage
Week 12	Purpose and complaints
Week 13	Listening comprehension
Week 14	Passage
Week 15	Conversation
Week 16	Final Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Murphy ,R., (2019), ENGLISH GRAMMAR IN USE, fifth edition, Cambridge CB2 8BS, United Kingdom.	Yes
Recommended Texts	Biber, D. (1999). Longman grammar of spoken and written English. Harlow, England: Longman.	No
Websites	https://academic-englishuk.com/	

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



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University of Diyala



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.



Ministry of Higher Education
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University of Diyala





MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Human Rights and Democracy	Module Delivery	
Module Type	Basic learning activities	<input checked="" type="checkbox"/> Theory	
Module Code	UD14	<input type="checkbox"/> Lecture	
ECTS Credits	2	<input type="checkbox"/> Lab	
SWL (hr/sem)	50	<input type="checkbox"/> L Tutorial	
		<input type="checkbox"/> Practical	
		<input type="checkbox"/> Seminar	
Module Level		Semester of Delivery	
Administering Department	جميع اقسام الكلية	College	College of Engineering
Module Leader	Wroud amer shaker	e-mail	Wroud.amer@uodiyala.edu.iq
Module Leader's Acad. Title	Asst. Lect	Module Leader's Qualification	MSc. In law
Module Tutor		e-mail	
Peer Reviewer Name	Ahmed Jassim Mohammed	e-mail	Ahmed.j@uodiyala.edu.iq
Scientific Committee Approval Date	١٥/١٠/٢٠٢٥	Version Number	1.0

Relation with other Modules

العلاقة مع المواد الدراسية الأخرى

	Ministry of Higher Education and Scientific Research - Iraq University of Diyala	
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"> ١. يتعلم الطالب خلال السنة الدراسية أساسيات حقوق الإنسان والديمقراطية ما حقوقه كيف يدافع عنها بالطرق القانونية وماهي ضماناتها الداخلية والدولية. ٢. استحصال المعرفة في مجال الديمقراطية وأنواع أنظمتها واثرها على حقوق الإنسان . ٣. تنمية شخصية الطالب وتعزيز وعيهم في الأنظمة السياسية الديمقراطية وتفصيلها وكيفية تطبيقها على ارض الواقع واهمية ان يكون فعال في المجتمع من خلال احترامه لحقوق الآخرين ومعرفة ان الحقوق والحريات تنتهي عند بداية حقوقهم وحرياتهم ويؤدي واجباته بدلا من اكتساب الحقوق فقط. ٤. تعزيز ثقافة السلام القائمة على العدل والمساواة.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> ١. تمكين الطالب من معرفة أساسيات الدفاع عن حقوقه وحقوق الآخرين بعد معرفتها ومعرفة أهميتها له وللمجتمع بصورة عامة وأيضاً معرفه كل شخص حدود حقوقه وحريته . ٢. تمكين الطالب في المشاركة السياسية وذلك من خلال معرفته بأهمية مشاركته في الانتخابات وتأثير هذه المشاركة على سير الانتخابات وتشكيل السلطة فيما بعد. ٣. معرفة الطالب ضمانات حقوقه وحرياته وماهي مصادرها. ٤. معرفة الفرق بين الحقوق والحريات. ٥. تمكين الطالب من معرفة ماهي المفهوم العلمي للديمقراطية وماهي جذورها وانواعها واشكالها. ٦. يتعلم الطالب كيف يؤثر النظام الديمقراطي على حقوق الانسان وماهي العلاقة بينها. ٧. ادراك الطالب ضرورة ان يكون مواطن فعال في المجتمع ايضاً معرفه شروط الناخب وشروط المرشح للانتخابات. ٨. معرفة أنظمة الانتخابات وايهما افضل. ٩. فهم الطالب للقانون الدولي لحقوق الانسان وايضاً معرفة مختصرة عن المنظمات الدولية والية عملها كالأمم المتحدة ومنظمة الصليب الأحمر وغيرها.
Indicative Contents المحتويات الإرشادية	<p>الجزء الأول - تعريف حقوق الانسان وحقوق الانسان في الحضارات القديمة (تعريف الحق وتعريف الانسان ومعرفة أهمية حقوق الانسان بالنسبة للإنسان والمجتمع أيضاً دراسة حقوق الانسان في الحضارات كالحضارة المصرية والعراقية واليونانية والرومانية) (٤ ساعات)</p> <p>الجزء الثاني معرف حقوق الانسان في الأديان السماوية واهمها الإسلام (٢ ساعة) مصادر حقوق الانسان تتضمن (مصادر دولية كالإعلان العالمي لحقوق الانسان والعهدان الدوليان والمصادر الإقليمية التي تشمل الاتفاقيات الإقليمية كالاتفاقية الأوروبية والأمريكية والدستور) (٢ ساعة)</p>



Ministry of Higher Education and Scientific Research - Iraq University of Diyala



	<p>ضمانات حقوق الانسان (كالضمانات الدستورية والقانونية) (٢ ساعة)</p> <p>الاتفاقيات الدولية والإقليمية لحقوق الانسان (٢ ساعة)</p> <p>الحريات العامة وانواعها والمقارنة فيما بينها (٢ ساعة)</p> <p>مستقبل حقوق الانسان والعمولة وحقوق الانسان (٢ ساعة)</p> <p>تعريف وتاريخ وأنواع الديمقراطية (دراسة تعريف ونشأة وتطور الديمقراطية مبادئها وانواعها كالديمقراطية المباشرة وغير المباشرة والنظام الرئاسي والبرلماني) (٦ ساعات)</p> <p>تعريف الانتخاب وشروطه وأنواع النظم الانتخابية وتعريف المجلس النيابي (٦ ساعات)</p> <p>العلاقة بين الديمقراطية وحقوق الانسان (٢ ساعة)</p>
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Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	<p>١. زيادة وعي الطالب بأهمية معرفه حقوقه وواجباته اتجاه المجتمع وعلاقة حقوق الانسان بالنظام الديمقراطي</p> <p>٢. ثقافة عامة في مجموعة من المجالات ومنها المجال القانوني و السياسي والاجتماعي ورفع ثقة الطالب بنفسه من خلال ربط المادة النظرية بالواقع العملي</p>
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب ل ١٥ أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	٣٣	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	١٠% (10)	5 and 10	LO #1, #2 #,٣, and #٦ #7#8
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



	Projects / Lab.	1	10% (10)	13	LO 7 and 8
	Report	1	10% (10)	14	LO #5, #8 and #9
Summative assessment	Midterm Exam	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	محاضرة تعريفية عن المادة واهميتها ..
Week 2	تعريف الحق والانسان و حقوق الانسان واهمية حقوق الانسان ،حقوق الانسان في الدين الإسلامي والحضارات القديمة.
Week 3	مصادر حقوق الانسان الدولية والإقليمية والمحلية.
Week 4	ضمانات حقوق الانسان الدستورية والقانونية وضمانات حقوق الانسان على الصعيد الدولي.
Week 5	ضمانات حقوق الانسان في الإسلام و دور المنظمات الإقليمية في حماية حقوق الانسان
Week 6	خصائص حقوق الانسان وتعريف الحريات العامة وانواعه والمقارنة بينها وبين الحقوق . القانون الدولي لحقوق الانسان والقانون الدولي الإنساني ومنظمة الصليب الأحمر.
Week 7	امتحان نصف الفصل
Week 8	مستقبل حقوق الانسان وسبل تطويرها .
Week 9	العولمة وحقوق الانسان .
Week 10	تعريف الديمقراطية وتطورها التاريخي ومبادئها . الديمقراطية بين العالمية والخصوصية . اشكال الديمقراطية / الديمقراطية المباشرة.
Week 11	الديمقراطية شبه المباشرة والديمقراطية التمثيلية / اركان النظام التمثيلي / اشكال النظام التمثيلي.
Week 12	المجلس النيابي وانواعه / الانتخاب وشروطه / هيئة الناخبين.
Week 13	تنظيم عملية الانتخاب / تحديد الدوائر الانتخابية / القوائم الانتخابية / المرشحون/ الحملة الانتخابية / التصويت .
Week 14	نظم الانتخابات.
Week 15	علاقة الديمقراطية بحقوق الانسان وكيفية التأثير والتأثر فيما بينها.
Week 16	الامتحان النهائي



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University of Diyala



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	حقوق الانسان والطفل والديمقراطية / تأليف ماهر صالح علاوي ورياض عزيز هادي وعلي عبد الرزاق محمد واخرون / العاتك / بيروت / ٢٠٠٩	نعم
Recommended Texts	عباس الدليمي / حقوق الانسان الفكر والممارسة فخري رشيد، صلاح ياسين / المنظمات الدولية / العاتك لصناعة الكتاب / بغداد عصام العطية / القانون الدولي العام / المكتبة القانونية / بغداد / ٢٠١٢	لا
Websites		

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	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.



Ministry of Higher Education
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University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	General Biology		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	VET101		
ECTS Credits	8		
SWL (hr/sem)	٢٠٠		
Module Level	1	Semester of Delivery	
Administering Department	Microbiology	College	College of Veterinary Medicine
Module Leader	Samer Raad Abdul Hussain	e-mail	Samer.r@uodiyala.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ms.c
Module Tutor		e-mail	
Peer Reviewer Name	Amer Khazaal Saleh	e-mail	Amer.k@uodiyala.edu.iq
Scientific Committee Approval Date	١٥/١٠/٢٠٢٥	Version Number	1.0

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Objectives أهداف المادة الدراسية</p>	<ol style="list-style-type: none"> ١. Important Concepts for Understanding origin of life ٢. Structure of cell and function ٣. This course deals with the basic Structure of tissues. ٤. Main structure of prokaryotic and eukaryotic ٥. To understand Mitosis and Meiosis ٦. To understand the Nucleic acid types
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<p>Important: Write at least 6 Learning Outcomes, better to be equal to the number of study weeks.</p> <ol style="list-style-type: none"> ١. Distinguish between prokaryotic and eukaryotic. ٢. Understand the differences between types of tissues. ٣. Describe the basic structure of the cells. ٤. Distinguish between different parasites. ٥. Describe the microscope. ٦. Define what is meant by genes and chromosomes. ٧. Discuss types of nucleic acids. ٨. Discuss the characters of bacteria and viruses.
<p>Indicative Contents المحتويات الإرشادية</p>	

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

<p>Strategies</p>	<p>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.</p>
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Ministry of Higher Education
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University of Diyala



Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	٧٨	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	٥,٢
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	١٢٢	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	٨,١
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	٢٠٠		

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, #4 and #6, #7
	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 Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction and definitions of terms
Week 2	Origin of life
Week 3	Characteristics of living organisms
Week 4	Kingdoms of living world
Week 5	Kingdom: Monera(prokaryotic)



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Week 6	Kingdom: Protista(Eukaryotic) and Phylum: Sarcomastigophora
Week 7	Midterm examination
Week 8	Subphylum:Vertebrata(Chordata) Class :Amphibia(frog)
Week 9	Living organisms
Week 10	Comparison between Prokaryotic and Eukaryotic cells
Week 11	Mitosis and Meiosis
Week 12	Types of living tissues
Week 13	General characters of bacteria and viruses
Week 14	Nucleic acid types and functions
Week 15	Genes and Chromosomes
Week 16	Final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Laboratory Equipments
Week 2	The Microscope
Week 3	The Cell: Structure of cell & function
Week 4	Kingdom Monera/ Prokaryote/Bacteria
Week 5	Kingdom Protista/ Eukaryote (unicellular)/ Mastigophora
Week 6	Kingdom Protista / Eukaryote(unicellular)/ Sarcodena , Ciliophora ,Sporozoa
Week 7	Midterm examination
Week 8	Kingdom Animalia (multicellular) Invertebrates / Coelenterata / Hydra
Week 9	Kingdom Animalia (multicellular) Invertebrates Nematoda/Ascaris , Ancylostoma
Week 10	Kingdom Animalia (multicellular) Invertebrates Trematoda/Fasciola,Schistosoma
Week 11	Kingdom Animalia (multicellular) Invertebrates Cestoda/Taenia
Week 12	Kingdom Animalia / vertebrates / Frog , Fish
Week 13	Cell Division: Binary Fission, Mitosis and Meiosis
Week 14	Types of tissues
Week 15	Bacterial staining
Week 16	Final Exam



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	General biology ,2021	Yes
Recommended Texts	Concepts of Biology	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.



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Skeleton Anatomy		Module Delivery
Module Type	core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	VET102		
ECTS Credits	8		
SWL(hr/sem)	200		
Module Level	1	Semester of Delivery	
Administering Department	Anatomy and Histology	College	College of Veterinary Medicine
Module Leader	Hanaa Kareem Ali	e-mail	hana.k@uodiyala.edu.iq
Module Leader's Acad. Title	Assist. Prof. Dr.	Module Leader's Qualification	Ph.D.
Module Tutor		e-mail	
Peer Reviewer Name	Ramzi Abdulghafoor Abood Al-Agele	e-mail	al-agele@uodiyala.edu.iq
Scientific Committee Approval Date	١٠/١٠/٢٠٢٥	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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Objectives أهداف المادة الدراسية</p>	<ol style="list-style-type: none"> ١. Give information about definition of animal anatomy and its branches and also its important role for supporting other sciences. ٢. Know the topographical and descriptive terms, types and composition of skeleton. ٣. Understanding the types of bones and their structures, development, chemical and physical properties. ٤. Studying the vertebral column and its parts with the bones of both thoracic and pelvic limbs. ٥. Understanding the joints classification, structure and types with joints of both limbs in order. ٦. Studying the anatomical structure of the common integument, myology and endocrine glands.
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"> ١. Enabling the student to give the required knowledge regarding macroscopic anatomy of different apparatus, systems and organs of animal species. ٢. Identify and describe the location of all organs and anatomical structures. ٣. Identify the anatomical structures and terminology used in anatomy that describes the organs of the animal's body. ٤. Enabling the student to recognize the anatomical structures that make up each organ of the animal's body and their varieties and compare them between animals according to their structure. ٥. Providing the student with knowledge of how to differentiate natural structures from the unnatural, which he will study in the following years.
<p>Indicative Contents المحتويات الإرشادية</p>	<p>Indicative content includes the following.</p> <ul style="list-style-type: none"> • Course introduction(4hrs) • Small and large animals dissection.
<p>Description</p>	<p>This course module provides foundational anatomical knowledge needed for the studying axial, appendicular and visceral skeletons; body regions include the head, neck, back, pelvis, thoracic and pelvic limbs. Content includes methods of study, topographical and descriptive terms and topographic features. General osteology: bones; types, structures, development, chemical and physical properties. The vertebral column, ribs, sternum, bones of thoracic and pelvic limbs. General syndesmology: Joints, classifications, structures of synovial, fibrous and cartilaginous joints, the joints of thoracic and pelvic limb. Common integument: Foot of horse, hoof, claw, stay apparatus (thoracic and pelvic limb).</p>



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Learning and Teaching Strategies

استراتيجيات التعلم و التعليم

Strategies	In this course, students are guided by:
	<ul style="list-style-type: none"> • Using different examples. • Using different styles of discussion that aim to connect the theoretical and practical sides. • Asking questions and giving exercises that require analysis and conclusions related to lectures. • Encourage students to participate in discussions and do the practical work in groups. • Power point lecture method using data show and interactive whiteboard. • Explanation and clarification. • Providing students with the basics and additional topics related to the outcomes of thinking and tissue diagnosis of organs.

Student Workload(SWL)

الحمل الدراسي للطالب محسوبة بال ١٥ اسبوع

Structured SWL(h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	93	Structured SWL(h/w) الحمل الدراسي المنتظم للطالب اسبوعيا	6.2
Unstructured SWL (h/sem) الحمل الدراسي اللامنتظم للطالب خلال الفصل	107	Unstructured SWL(h/w) الحمل الدراسي اللامنتظم للطالب خلال الفصل أسبوعيا	7.1
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)	6 and 12	LO #1, #2 and #5 #6
	Assignments	2	10%(10)	2 and 13	LO #3, #4 and
	Projects/ Lab.	1	10%(10)	Continuous	All
	Report	1	10%(10)	Continuous	Lo 6
Summative assessment	Midterm Exam	2hr	10%(10)	9	ALL
	Final Exam	3hr	50%(50)	16	All
Total assessment			100%(100Marks)		



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



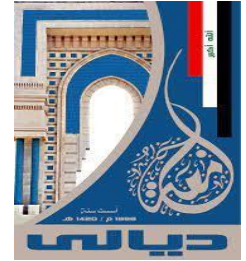
Delivery Plan (Weekly Syllabus)

المنهاج الأسبوعي النظري

	Material Covered
Week1	Skeleton : Introduction, Methods of study,
Week2	topographical and descriptive terms
Week3	General osteology: Skeleton, bones; types,
Week4	Bone structures, Development,
Week5	Chemical and physical properties.
Week6	Quiz and The vertebral column
Week7	ribs, sternum,
Week8	bones of thoracic and pelvic limbs
Week9	Midterm examination
Week 10	General syndesmology (Arthrology) Joints classifications,
Week 11	structures of synovial joint
Week 12	Quiz and fibrous joint, cartilaginous joint
Week 13	The joints of thoracic limb, the joints of pelvic limb
Week 14	Common integument Foot of horse, hoof,
Week 15	claw, stay apparatus (thoracic and pelvic limb)
Week 16	Final examination



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Delivery Plan (Weekly-Lab Syllabus)

المنهاج الأسبوعي للمختبر (العملي)

	Material Covered
Week1	Introduction , preparation of samples
Week2	Fore Limb regions, descriptive terms
Week3	Scapula bone with comparative
Week4	Humerus bone with comparative
Week5	Radius and Ulna bones with comparative
Week6	Quiz and Radius and Ulna bones with comparative
Week7	Carpus bones and Metacarpus bones with comparative
Week8	Digits and hoof with comparative
Week9	Muscles of Shoulder Region
Week 10	Muscles of arm Region
Week 11	Muscles of fore arm and manus Region
Week 12	Quiz and Blood Supply of the Fore Limb
Week 13	Blood Supply of the Fore Limb
Week 14	Nerve Supply of the Fore Limb
Week 15	Preparatory week before the final exam
Week 16	Final exam



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	<ul style="list-style-type: none"> Text book of veterinary Anatomy Atlas of Veterinary Anatomy Anatomy of the domestic mammals 	Yes
Recommended Texts	<ul style="list-style-type: none"> Veterinary Anatom Color Atlas of veterinary Anatomy Journal of Anatomy Anatomia, Histologia and Embryologia 	Not all
Websites	http://www.iasj.net	

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

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Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Animal Management and behavior		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	VET103		
ECTS Credits	7		
SWL (hr/sem)	175		
Module Level	1	Semester of Delivery	
Administering Department	Dep. of Vet. Pub. Health	College	College of Vet. Med.
Module Leader	Ali shareef hasan	e-mail	ali.s@uodiyala.edu.iq
Module Leader's Acad. Title	lecturer	Module Leader's Qualification	Ms.c
Module Tutor		e-mail	
Peer Reviewer Name	Ahmed jasim mohammed	e-mail	Ahmed.j@uodiyala.edu.iq
Scientific Committee Approval Date	٢٠٢٥/١٠/١٠	Version Number	١,٠

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Objectives أهداف المادة الدراسية</p>	<ol style="list-style-type: none"> ١. Developing and understanding the principles of field animal management from a veterinary perspective in a way that supports the practical side of the profession ٢. The ability to manage the animal field in the healthiest ways ٣. Ability to deal with different animals
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"> ١. Explanation of scientific subjects through theoretical lectures. ٢. Training of students for practical applications in laboratories. ٣. Student prepare a scientific related reports.
<p>Indicative Contents المحتويات الإرشادية</p>	<p>This course provides a description and specification of farm animals of all types and the different methods of raising them for productive purposes [SSWL= 1 hour] Psychological and behavioral characteristics of horses and their care and care of foals (young) [SSWL= 4 hours] Productive characteristics of cattle and their behavior and care of their newborns [SSWL= 6 hours] Characteristics of raising goats and their behavior and care [SSWL= 2 hours] Characteristics of raising sheep and their behavior and care [SSWL= 2 hours] Characteristics of raising buffaloes and their behavior and care [SSWL= 2 hours] Characteristics of raising camels and their behavior and care [SSWL= 3 hours] Methods of reproduction in different animals will be discussed and ways to maximize the benefit from reproduction and proper health management for them [SSWL= 4 hours] The course will also discuss one of the important aspects of wild animals and ways to preserve them as one of the components of environmental balance [SSWL= 4 hours]</p> <p>Total hrs = 90 = (Time table 3 hr x 15 weeks)- theoretical Total hrs = 30 = (Time table 2 hr x 15 weeks)- practical</p>

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

<p>Strategies</p>	<p>The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, dealing with different animals and knowing</p>
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the basic rules for their management, As well as using devices and tools that assist in controlling animals. This will be achieved through classroom and practical lessons that will help students understand and apply.

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	78	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	5.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	97	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	6.4
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	175		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5 and 10	LO #1, #2 and #10, #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 #5, #8 and #10
Summative assessment	Midterm Exam	2hr	10% (10)	8	LO #1 - #6
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Description and identification of farm animals
Week 2	Equine behavior
Week 3	Equine and foal care



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Week 4	Calf and cattle management
Week 5	Cattle production
Week 6	Cattle behavior
Week 7	Goat management and Sheep management
Week 8	Midterm examination
Week 9	Buffaloes management
Week 10	Camel management
Week 11	Buffaloes and camel behavior
Week 12	Management of Animal reproduction 1
Week 13	Management of Animal reproduction 2
Week 14	Wild animals 1
Week 15	Wild animals 2
Week 16	Final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: External parts of Cattle
Week 2	Lab 2: External parts Equine
Week 3	Lab 3: Control and restrains of cattle
Week 4	Lab 4: Control and restrain of equine
Week 5	Lab 5: Age estimation in equine
Week 6	Lab 6: Age estimation in cows, sheep and goat
Week 7	Lab 7: Methods casting
Week 8	Lab 8: Signs of health
Week 9	Lab 9: Drug administration
Week 10	Lab 10: Milking
Week 11	Lab 11: Body score condition
Week 12	Lab 12: Animal Grooming
Week 13	Lab 13: Animal housing
Week 14	Lab 14: Animal examination
Week 15	Lab 15: Farm practices

	<p>Ministry of Higher Education and Scientific Research - Iraq University of Diyala</p>	
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Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Animal Husbandry Regained / The Place of Farm Animals in Sustainable Agriculture	Yes
Recommended Texts	Animal management - Domestic animal behavior and welfare	yes
Websites	https://www.routledge.com/Animal-Husbandry-Regained-The-Place-of-Farm-Animals-in-Sustainable-Agriculture/Webster/p/book/9781849714211	

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>				



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Biorisk management		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Sminar
Module Code	VET104		
ECTS Credits	3		
SWL (hr/sem)	٧٥		
Module Level	1	Semester of Delivery	
Administering Department	Microbiology	College	College of Veterinary Medicine
Module Leader	Shaymaa jabbar hassoon	e-mail	Shaymaa .J@uodiyala.edu.iq
Module Leader's Acad. Title	lecturer	Module Leader's Qualification	Ph.D
Module Tutor		e-mail	
Peer Reviewer Name	Amer Khazaal Saleh	e-mail	Amer.k@uodiyala.edu.iq
Scientific Committee Approval Date	٢٠٢٥/١٠/١٠	Version Number	1.0

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Objectives أهداف المادة الدراسية</p>	<ol style="list-style-type: none"> ١. Important Concepts for Understanding risk and biosafety. ٢. Working with potentially infected animals. ٣. This course deals with biological materials ٤. Decontamination and waste disposal ٥. To understand storage of chemicals. ٦. To understand the first aid and emergency response in the laboratories.
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<p>Important: Write at least 6 Learning Outcomes, better to be equal to the number of study weeks.</p> <ol style="list-style-type: none"> ١. Distinguish between biological materials ٢. Understand the types of PPE. ٣. Standard microbiological techniques. ٤. Give a definition of Hazardous chemicals. ٥. Distinguish between biosafety cabinet classes. ٦. Describe first aid and emergency response in the laboratories.
<p>Indicative Contents المحتويات الإرشادية</p>	



Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

<p>Strategies</p>	<p>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.</p>
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا

	Ministry of Higher Education and Scientific Research - Iraq University of Diyala		
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	٣٣	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	٢,٢
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	٤٢	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	٢,٨
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	٧٥		

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, #4 and #6, #7
	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 Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction: Definitions & Concepts Risk, Hazard, Biorisk, Biosafety, and Biosecurity.
Week 2	Biological Materials (Bacteria, Viruses, Fungi, Parasites, Prions, Zoonotic pathogens, Toxins).
Week 3	Personal protective equipment (PPE). Types of PPE, Route of exposure to pathogens.
Week 4	Laboratory safety symbols and hazard signs.
Week 5	Risks groups and Biosafety Levels.
Week 6	Biosafety cabinet classes :Design, Operation, ,use and misuse and Standard Microbiology



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



	Techniques and Safety.
Week 7	Med examination
Week 8	Safe use of (pipettes ,centrifuge , homogenizers , shakers , blenders , and sonicators ,ampoules containing infectious materials) .
Week 9	Collection , handling and transport of diagnostic specimens.
Week 10	Decontamination and waste disposal.
Week 11	Working with potentially infected animals. General considerations.
Week 12	Hazardous chemicals (Routes of exposure, storage of chemicals, general rules regarding chemical incompatibilities.
Week 13	Toxic effects of chemicals, Explosive chemicals, Chemical spills , Compressed and liquefied gases).
Week 14	Preparedness and response to Chemical, Biological accidents: - In the Laboratories. - In the field.
Week 15	First aid and emergency response in the Laboratories.
Week 16	Final Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts		Yes
Recommended Texts	The biological laboratory risk management handbook WHO-Biosafety-Manual	No
Websites		



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



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
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Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



First Level

Second semester



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	اللغة العربية		Module Delivery	
Module Type	BASIC		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	UD12			
ECTS Credits	٢			
SWL (hr/sem)	٥٠			
Module Level	1	Semester of Delivery		2
Administering Department	Type Dept. Code	College	Type College Code	
Module Leader	esraa ahmed mahmood		e-mail	Esra_200@uodiyala.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ph.D.	
Module Tutor	Name(if available)		e-mail	E-mail
Peer Reviewer Name	Ahmed Jassim Mohammed		e-mail	Ahmed.j@uodiyala,edu.iq
Scientific Committee Approval Date	١٠/١٠/٢٠٢٥		Version Number	1.0



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



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- تعريف الطلبة بعدد من موضوعات اللغة العربية .2- تدريب الطلبة على تلافي الأخطاء اللغوية ، وكتابة الأعداد العربية ؛ لتقويم اللسان العربي.3- اطلاع الطلبة على تاريخ الأدب العربي ، وتعريفهم بالفنون الشعرية والنثرية السائدة في تلك العصور.4- تمكين الطلبة من استعمال أساليب التوكيد للإفادة منها في صياغة الكلام الفصيح.5- تعليم الطلبة المعاني القرآنية والحكمة الربانية في صياغة النص القرآني بأبلغ تعبير وأدق تفصيل.6- معالجة الضعف اللغوي للطلبة في استعمالهم جموع اللغة العربية في حالات الرفع والنصب والجر.7- تشجيع الطلبة على استعمال علامات الترقيم في كتابة النصوص ،لما لها من دور في إيضاح المعنى وتقويم النص اللغوي.8- تعليم الطلبة النداء وأنواعه.9- تدريب الطلبة على اشتقاق الأفعال الخمسة في اللغة العربية وطرق استعمالها في حالات الرفع والنصب والجزم.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<p>الأهداف المعرفية والمهارية:</p> <ol style="list-style-type: none">1- يتعلم الطالب صياغة نص لغوي خال من الأخطاء اللغوية.2- يوظف الطالب علامات الترقيم بشكل صحيح .3- يحلل الطالب النص القرآني في ضوء المعطيات التي تعلمها في تحليل النص القرآني وتفسيره.4- يصيغ الطالب نصوصاً لغوية صحيحة مستعملاً فيها جموع اللغة العربية استعمالاً صحيحاً.5- يميز الطالب بين أنواع النداء ويتدرب على استعمالها.6- يعرب الطالب عددًا من الجمل .7- يتدرب الطالب على توظيف أساليب التوكيد في كلامه .8- يشتق الطالب الأفعال الخمسة ويوظفها في حالات الرفع والنصب والجزم.
Indicative Contents المحتويات الإرشادية	<p>القرآن والتفسير: تفسير سورة الضحى (ساعتان). النحو واللغة : كتابة الأعداد (ساعتان) النحو واللغة : تعريف العدد بال التعريف ، وصياغة العدد على وزن فاعل. (ساعتان) الإملاء: علامات الترقيم في اللغة العربية .(ساعتان) الأدب العربي: (العصر الجاهلي والإسلامي). (ساعتان)</p>



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



الأدب العربي: (العصر الأموي والعباسي). (ساعتان)
الأدب العربي: (عصور الفترة المظلمة والحديث). (ساعتان)
اللغة: الأخطاء الشائعة في كتابة الكتب الرسمية. (ساعتان)
النحو واللغة: أساليب التوكيد في اللغة العربية (ساعتان)
النحو واللغة: أنواع المنادى في اللغة العربية. (ساعتان)
القرآن والتفسير: بلاغة القرآن الكريم في عدد من الآيات القرآنية. (ساعتان)
النحو واللغة: جمع المذكر السالم وعلامات إعرابه. (ساعتان)
النحو واللغة: جمع المؤنث السالم وعلامات إعرابه. (ساعتان)
النحو واللغة: جمع التكسير وعلامات إعرابه. (ساعتان)
النحو واللغة: الأفعال الخمسة وعلامات إعرابه. (ساعتان)

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

- لقاء المحاضرة ومشاركة الطلاب فيها.
- المناقشة والحوار في المحاضرة
- إعداد التقارير عن الموضوع.
- السؤال والجواب .

Strategies

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	6 and 10	LO #1, #2 and #10, #11
	Assignments	2	10% (10)	3and 11	LO #3, #4 and #6, #7
	Projects	1	10% (10)	12	
	Report	1	10% (10)	13	LO #5, #8 and #10
Summative assessment	Midterm Exam	2hr	10% (10)	8	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	القرآن والتفسير: تفسير سورة الضحى
Week 2	النحو واللغة : كتابة الأعداد
Week 3	النحو واللغة : تعريف العدد بال التعريف ، وصياغة العدد على وزن فاعل.
Week 4	الإملاء: علامات الترقيم في اللغة العربي
Week 5	الأدب العربي: (العصر الجاهلي والإسلامي) .
Week 6	الأدب العربي: (العصر الأموي والعباسي).
Week 7	الأدب العربي : (عصور الفترة المظلمة والحديث). اللغة : الأخطاء الشائعة في كتابة الكتب الرسمية.
Week 8	امتحان نصف الفصل
Week 9	النحو واللغة : أساليب التوكيد في اللغة العربية
Week 10	النحو واللغة : أنواع المنادى في اللغة العربية.
Week 11	القرآن والتفسير: بلاغة القرآن الكريم في عدد من الآيات القرآنية .
Week 12	النحو واللغة : جمع المذكر السالم وعلامات إعرابه.
Week 13	النحو واللغة : جمع المؤنث السالم وعلامات إعرابه.
Week 14	النحو واللغة : جمع التكسير وعلامات إعرابه.
Week 15	النحو واللغة : الأفعال الخمسة وعلامات إعرابه.
WEEK 16	الامتحان النهائي



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	١ - القرآن الكريم. ٢ - الأغلاط اللغوية الشائعة في المخاطبات الرسمية ،مالك محمود الغاشي ٣ - تاريخ الأدب العربي ، العصر الجاهلي. أحمد شوقي عبد السلام ٤ - بلاغة الكلمة ، فاضل السامرائي	Yes
Recommended Texts	١ . كتاب شرح ابن عقيل على الفية ابن مالك/ ابن عقيل عبد الله بن عبد الرحمن. ٢ . معاني النحو للدكتور فاضل السامرائي ٣ . تاريخ الأدب العربي، د. عبد الحليم النجار.	Yes
Websites		شبكة الانترنت

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.



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية				
Module Title	Computer		Module Delivery	
Module Type	Basic		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	UD13			
ECTS Credits	3			
SWL(hr/sem)	75			
Module Level	1	Semester of Delivery		2
Administering Department	Veterinary Public Health	College	College of Veterinary Medicine	
Module Leader	Qahtan Majeed Yas		e-mail	qahtan.myas@uodiyala.edu.iq
Module Leader's Acad. Title	Accos.Prof.Dr	Module Leader's Qualification	Ph.D: C.S	
Module Tutor		e-mail		
Peer Reviewer Name	Ahmed Jassim Mohammed	e-mail	Ahmed.j@uodiyala.edu.iq	
Scientific Committee Approval Date	٢٠٢٥/١٠/١٠	Version Number	1.0	



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



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. Training students on the basics of using the computer and providing them with the necessary skills to deal with the computer with high efficiency. 2. Assisting the student in distinguishing and developing his scientific and artistic abilities. 3. Enriching the student's skills to be able to deal with the computer with high efficiency. 4. Providing students with a way to use other modern technologies related to the educational process
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. Utilize the computer for fundamental tasks. 2. Identify and discuss the hardware components of the computer system. 3. Creating documents using a word processor and creating presentations. 4. Conducting research on the Internet.
Indicative Contents المحتويات الإرشادية	<p>Indicative content includes the following.</p> <ol style="list-style-type: none"> 1. Course Introduction to Computer, Computer Components, and Personal Computer. 2. Working with Operating Systems and Graphical User Interface (GUI). 3. Microsoft Office Word, Excel, and PowerPoint. 4. Working with the Internet and Web browser 5. Working with E-mail and Computer troubleshooting



Ministry of Higher Education and Scientific Research - Iraq University of Diyala



Description

Introduction to Computer: Concepts of Hardware and Software with their components; Concept of Computing, Data and Information; Applications of Information Electronics and Communication Technology (IECT); Connecting input/output devices, and peripherals to CPU.

Computer Components: Computer Portions, Hardware Parts, I/O Units, Memory Types, Basic CPU Components, Computer Ports, Personal Computer, Personal Computer (Features and Types).

Operating System and Graphical User Interface (GUI): Operating System; Basics of Common Operating Systems; The User Interface, Using Mouse Techniques; Use of Common Icons, Status Bar, Using Menu and Menu-selection, Concept of Folders and Directories, Opening and closing of different Windows; Creating Shortcuts.

Word Processing: Word Processing Basics; Opening and Closing of documents; Text creation and Manipulation; Formatting of text; Table handling; Spell check, language setting, and thesaurus; Printing of word document.

Spreadsheet: Basics of Spreadsheet; Manipulation of cells; Formulas and Functions; Editing of Spreadsheet, printing of Spreadsheet.

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

Introduction to Internet and Web Browsers: Computer networks Basic; LAN, WAN; Concept of Internet and its Applications; Connecting to Internet; World Wide Web; Web Browsing software's, Search Engines; Understanding URL; Domain name; IP Address.

Communications and Emails: Basics of electronic mail; Getting an email account; Sending and receiving emails; Accessing sent emails; Using emails for document collaboration.

Computer Troubleshooting: Identifying and solving common hardware and software problems; Basic troubleshooting techniques and tools for diagnosing and resolving issues.

Learning and Teaching Strategies

استراتيجيات التعلم و التعليم

Strategies

In this course, students are guided by:

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Student Workload(SWL)

الحمل الدراسي للطالب محسوبة بال ١٥ اسبوع

Structured SWL(h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	Structured SWL(h/w) الحمل الدراسي المنتظم للطالب اسبوعيا	3.2
Unstructured SWL (h/sem) الحمل الدراسي اللامنتظم للطالب خلال الفصل	27	Unstructured SWL(h/w) الحمل الدراسي اللامنتظم للطالب خلال الفصل أسبوعيا	1.8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	75		

Module Evaluation

تقييم المادة الدراسية

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Delivery Plan (Weekly Syllabus)

المنهاج الأسبوعي النظري

	Material Covered
Week1	Introduction to Computer: Concepts of Hardware and Software with their components; Concept of Computing, Data and Information: Connecting input/output devices, and peripherals to CPU.
Week2	Computer Components: Computer Portions, Hardware Parts, I/O Units, Memory Types.
Week3	Computer Components (Cont.): Basic CPU Components, Computer Ports, Personal Computer, Personal Computer (Features and Types).
Week4	Operating System and Graphical User Interface GUI: Operating System; Basics of Common Operating Systems; The User Interface, Using Mouse Techniques.
Week5	Operating System and Graphical User Interface GUI (Cont.): Use of Common Icons, Status Bar, Using Menu and Menu-selection, Concept of Folders and Directories, Opening and closing of different Windows; Creating Short cuts.
Week6	Word Processing: Word Processing Basics; Basic Features of Word Processors, Opening and Closing of documents, Text creation and Manipulation; Formatting Text and Paragraphs, Using Templates for Document Creation.
Week7	Word Processing (Cont.): Creating and Managing Tables, Utilizing Styles and Themes, Spell Check and Grammar Tools, Using Headers and Footers.
Week8	Spread Sheet: Introduction to Spreadsheet Software, Creating and Formatting Worksheets. Sorting and Filtering Data, Using Formulas and Functions.
Week9	Spread Sheet (Cont.): Using Formulas and Functions, Using Pivot Tables for Data Analysis, Data Validation and Error Checking, Data Visualization: Creating Charts and Graphs.
Week 10	Presentation Software: Introduction to Presentation Software, Overview of Popular Presentation Tools, creating a New Presentation, Using Templates and Themes, Inserting and Formatting Text and Images, Transition and Animation Effects.
Week 11	Presentation Software (Cont.): Using Speaker Notes and Timers, Advanced Features: Hyperlinks and Action Buttons, Troubleshooting Common Presentation Issues, Future Trends in Presentation Technology.
Week 12	Introduction to Internet and Web Browsers: Computer networks Basic; LAN, WAN; Concept of Internet and its Applications; connecting to internet.
Week 13	Introduction to Internet and Web Browsers (Cont.): World Wide Web; Web Browsing software's, Search Engines; Understanding URL; Domain name: IP Address.
Week 14	Communications and Emails: Basics of electronic mail; Getting an email account; Sending and Receiving emails; Accessing sent emails; Using Emails; Document collaboration.
Week 15	Introduction to Cloud Computing and Services: Definition of Cloud Computing and its concept, Cloud-Based Office Suites (Office 365 and Google Workspace), Google Docs, Google Sheets, Google Drive, Google Meet.
Week 16	Final exam



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Delivery Plan (Weekly-Lab Syllabus)

المنهاج الأسبوعي للمختبر (العملي)

	Material Covered
Week1	Introduction to the lab and get started with use of computer Introduction to Connecting input/output devices, and peripherals to CPU.
Week2	Computer Portions, Hardware Parts, I/O Units, Memory Types.
Week3	Basic CPU Components, Computer Ports, Personal Computer, Personal Computer.
Week4	Operating System; Basics of Common Operating Systems; The User Interface, Using Mouse Techniques.
Week5	Use of Common Icons, Status Bar, Using Menu and Menu-selection, Concept of Folders and Directories, Opening and closing of different Windows; Creating Short cuts.
Week6	Opening and Closing of documents, Text creation and Manipulation; Formatting Text and Paragraphs, Using Templates for Document Creation.
Week7	Creating and Managing Tables, Utilizing Styles and Themes, Spell Check and Grammar Tools, Using Headers and Footers.
Week8	Creating and Formatting Worksheets. Sorting and Filtering Data, Using Formulas and Functions.
Week9	Using Formulas and Functions, Using Pivot Tables for Data Analysis, Data Validation and Error Checking, Data Visualization: Creating Charts and Graphs.
Week 10	Overview of Popular Presentation Tools, creating a New Presentation, Using Templates and Themes, Inserting and Formatting Text and Images, Transition and Animation Effects.
Week 11	Using Speaker Notes and Timers, Advanced Features: Hyperlinks and Action Buttons, troubleshooting Common Presentation Issues, Future Trends in Presentation Technology.
Week 12	Computer networks Basic; LAN, WAN; Concept of Internet and its Applications; connecting to internet.
Week 13	Learn World Wide Web; Web Browsing software's, Search Engines; Understanding URL; Domain name: IP Address.
Week 14	Basics of electronic mail; Getting an email account; Sending and receiving emails; Accessing sent emails; Using Emails; Document collaboration.
Week 15	Definition of Cloud Computing and its concept, Cloud-Based Office Suites (Office 365 and Google Workspace), Google Docs, Google Sheets, Google Drive, Google Meet.
Week 16	Final exam

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Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	1. Graham Brown, David Watson, "Cambridge IGCSE Information and Communication Technology", 3rd Edition (2020). 2. Alan Evans, Kendall Martin, Mary Anne Poatsy, "Technology In Action Complete", 16th Edition (2020). 3. Microsoft Office 2019 Step by Step 1st Edition by Curtis Frye & Joan Lambert ٤. الخضر علي الحضر "اساسيات الحاسوب" ٢٠١٦	Yes
Recommended Texts	<ul style="list-style-type: none"> • Michael Miller, ABSOLUTE BEGINNER'S GUIDE TO COMPUTER • BASICS, 5th EDITION, QUE Indianapolis, Indiana 46240, 2010. • Paul McFedries, TEACH YOURSELF VISUALLY MICROSOFT • WINDOWS 10, ANNIVERSARY 	No
Websites	Microsoft Help, https://support.microsoft.com/en-us/products Learn Microsoft Office, https://www.goskills.com/Microsoft-ffice	

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(فيد 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.



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

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 type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	VET105		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	
Administering Department	Physiology, Biochemistry and Pharmacology	College	Veterinary Medicine
Module Leader	Ali Esmail Karim	e-mail	Ali.i@uodiyala.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ms.c
Module Tutor		e-mail	
Peer Reviewer Name	Muna Muhammed Ismail	e-mail	Muna.i@uodiyala.edu.iq
Scientific Committee Approval Date	٢٠٢٥/١٠/١٠	Version Number	1.0

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Objectives أهداف المادة الدراسية</p>	<ol style="list-style-type: none"> ١. To understand atoms, molecules, and biomolecules. ٢. To develop problem solving skills and understanding of principles of biochemistry. ٣. The course deals with the basic concept of carbohydrates, lipids, proteins, enzymes, and vitamins. ٤. This course includes biochemistry and biochemical reactions inside animal body.
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"> ١. The main objective is to teach students the basics of biochemistry and its relationship to other basic and clinical sciences from the molecular and cellular levels to tissues, organs and various body systems. ٢. Identify how animal body biomolecules integrate with each other. ٣. List the main carbohydrates classification and importance to body. ٤. Identify types of lipids and their functions. ٥. Classify amino acids and proteins with their main function. ٦. List the various biochemical tests that can be conduct. ٧. Recognize the biochemical fluctuations associated with different disorders and diseases in animals.
<p>Indicative Contents المحتويات الإرشادية</p>	<p>Indicative content includes the following:</p> <p><u>Part A – Analytic and organic chemistry</u></p> <ul style="list-style-type: none"> • Atom • Types of bonds • Preparation of solutions • Molarity and molality • Aldehydes and ketones • Alcohols and carboxylic acids • Amines and amides <p>[SSWL=6 hrs]</p> <p><u>Part B - Carbohydrates</u></p> <ul style="list-style-type: none"> • Definition, Classification and Functions of Carbohydrates • Structure of Glucose • Isomerism • Mutarotation • Chemical Properties of Monosaccharides • Glycoside Formation • Derivatives of Monosaccharides • Disaccharides • Polysaccharides (Glycans)



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and Scientific Research - Iraq
University of Diyala



- Glycoproteins

[SSWL=8 hrs]

Part C - Lipids

- Definition, Classification and Functions of Lipids
- Fatty Acids • Essential Fatty Acids
- Reactions of Lipids • Characterization of Fat
- Triacylglycerols and Neutral Fat • Phospholipids
- Glycolipids • Cholesterol • Lipoproteins • Eicosanoids
- Micelles, Lipid Bilayer and Liposomes.

[SSWL=6 hrs]

Part D – Amino acids and proteins

- General Nature of Amino Acids
- Classification of Amino Acids
- Modified or Nonstandard Amino Acids
- Properties of Amino Acids
- Biologically Important Peptides
- Definition, Classification and Functions of Proteins
- Structure of Proteins
- Properties of Proteins

[SSWL=10 hrs]

Total hrs = 30

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies

Encouraging the student's commitment to attendance and active participation in lectures and taking daily, semester and final theoretical and practical exams. Using educational and technological means, and the modern method in teaching the subject and referring to practical training examples. Discussion is used in lectures as an effective means of delivering the study material to students and keeping up with the latest methods, approaches and modern trends in the teaching process.



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	4.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	87	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	5.8
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	150		

Module Evaluation

تقييم المادة الدراسية

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

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Atom and Types of bonds
Week 2	Preparation of solutions, molarity and molality
Week 3	Aldehydes and ketones, Alcohols, carboxylic acids, amines and amides
Week 4	Classification and Functions of Carbohydrates
Week 5	Monosaccharides and Disaccharides



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Week 6	Derivatives of Monosaccharides
Week 7	Polysaccharides
Week 8	Classification and Functions of Lipids and Fatty Acids
Week 9	Med examination
Week 10	Lipoproteins
Week 11	General Nature of Amino Acids and Classification of Amino Acids
Week 12	Modified or Nonstandard Amino Acids
Week 13	Properties of Amino Acids and Biologically Important Peptides
Week 14	Definition, Classification of Proteins
Week 15	Functions and properties of proteins
Week 16	Final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	General Instruction
Week 2	Preparation of solutions : solid substances
Week 3	Preparation of solutions : liquid substances
Week 4	Saponification
Week 5	Preparation of aspirin
Week 6	Qualitative analysis of carbohydrates: general test of carbohydrates
Week 7	Reducing properties of sugars
Week 8	Polysaccharide tests
Week 9	Qualitative analysis of proteins
Week 10	Specific color reactions of amino acids
Week 11	Emulsification
Week 12	Qualitative analysis of lipids
Week 13	Tests for fatty acids
Week 14	Tests for cholesterol
Week 15	Acid number



Ministry of Higher Education
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University of Diyala



Week 16

Preparatory week before the final Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	General, Organic, and Biochemistry. 9th Edition (2022) Katherine Denniston et al., McGraw Hill / Medical Publisher.	Yes
	Biochemistry by Pankaja Naik (Author), 6th edition (2022), Jaypee Brothers Medical Publishers Pvt Ltd.	Yes
Recommended Texts	Harper's Illustrated Biochemistry, 32nd Edition (2023) by Peter J. Kennelly (Author), Kathleen M. Botham (Author), Owen McGuinness (Author). McGraw Hill / Medical Publisher.	Yes
Websites	https://themedicalbiochemistrypage.org/	

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.



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Muscular Anatomy		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	VET106		
ECTS Credits	9		
SWL(hr/sem)	225		
Module Level	1	Semester of Delivery	
Administering Department	Anatomy and Histology	College	College of Veterinary Medicine
Module Leader	Hanaa Kareem Ali	e-mail	hana.k@uodiyala.edu.iq
Module Leader's Acad. Title	Assist. Prof. Dr.	Module Leader's Qualification	Ph.D.
Module Tutor		e-mail	
Peer Reviewer Name	Ramzi Abdulghafoor Abood Al-Agele	e-mail	al-agele@uodiyala.edu.iq
Scientific Committee Approval Date	٢٠٢٥/١٠/١٠	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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Objectives أهداف المادة الدراسية</p>	<ol style="list-style-type: none"> ١. Give information about definition of animal anatomy and its branches and also its important role for supporting other sciences. ٢. Know the topographical and descriptive terms, types and composition of skeleton. ٣. Understanding the types of bones and their structures, development, chemical and physical properties. ٤. Studying the vertebral column and its parts with the bones of both thoracic and pelvic limbs. ٥. Understanding the joints classification, structure and types with joints of both limbs in order. ٦. Studying the anatomical structure of the common integument, myology and endocrine glands.
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"> ٦. Enabling the student to give the required knowledge regarding macroscopic anatomy of different apparatus, systems and organs of animal species. ٧. Identify and describe the location of all organs and anatomical structures. ٨. Identify the anatomical structures and terminology used in anatomy that describes the organs of the animal's body. ٩. Enabling the student to recognize the anatomical structures that make up each organ of the animal's body and their varieties and compare them between animals according to their structure. ١٠. Providing the student with knowledge of how to differentiate natural structures from the unnatural, which he will study in the following years.
<p>Indicative Contents المحتويات الإرشادية</p>	<p>Indicative content includes the following.</p> <ul style="list-style-type: none"> • Course introduction(4hrs) • Small and large animals dissection.
<p>Description</p>	<p>This course module provides foundational anatomical knowledge needed for the studying axial, appendicular and visceral skeletons; body regions include the head, neck, back, pelvis, thoracic and pelvic limbs. Content includes methods of study, topographical and descriptive terms and topographic features. General osteology: bones; types, structures, development, chemical and physical properties. The vertebral column, ribs, sternum, bones of thoracic and pelvic limbs. General syndesmology: Joints, classifications, structures of synovial, fibrous and cartilaginous joints, the joints of thoracic and pelvic limb. Common integument: Foot of horse, hoof, claw, stay apparatus (thoracic and pelvic limb).</p>



Ministry of Higher Education and Scientific Research - Iraq University of Diyala



Learning and Teaching Strategies

استراتيجيات التعلم و التعليم

Strategies	In this course, students are guided by:
	<ul style="list-style-type: none"> • Using different examples. • Using different styles of discussion that aim to connect the theoretical and practical sides. • Asking questions and giving exercises that require analysis and conclusions related to lectures. • Encourage students to participate in discussions and do the practical work in groups. • Power point lecture method using data show and interactive whiteboard. • Explanation and clarification. • Providing students with the basics and additional topics related to the outcomes of thinking and tissue diagnosis of organs.

Student Workload(SWL)

الحمل الدراسي للطالب محسوبة بال ١٥ اسبوع

Structured SWL(h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	93	Structured SWL(h/w) الحمل الدراسي المنتظم للطالب اسبوعيا	6.2
Unstructured SWL (h/sem) الحمل الدراسي اللامنتظم للطالب خلال الفصل	132	Unstructured SWL(h/w) الحمل الدراسي اللامنتظم للطالب خلال الفصل أسبوعيا	8.8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	225		

Module Evaluation

تقييم المادة الدراسية

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



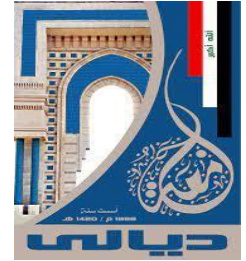
Delivery Plan (Weekly Syllabus)

المنهاج الأسبوعي النظري

	Material Covered
Week1	Myology: Types of muscles
Week2	structures, action ,
Week3	accessory structures associated with skeletal muscles,
Week4	nerves and vessels supply
Week5	- Muscles of the limbs
Week6	Muscles of the thoracic and abdomen and Quiz
Week7	Muscles of the thoracic and abdomen
Week8	Muscles of the head and neck
Week9	Midterm examination
Week 10	Endocrine glands Pituitary gl,
Week 11	hypothalamus,
Week 12	pineal body, and Quiz
Week 13	thyroid gl.,
Week 14	parathyroid gl.,
Week 15	adrenal gl.
Week 16	Final exam



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University of Diyala



Delivery Plan (Weekly-Lab Syllabus)

المنهاج الأسبوعي للمختبر (العملي)

	Material Covered
Week1	Introduction , preparation of samples
Week2	Hind Limb regions, descriptive terms
Week3	Pelvic girdle (os coxa ,sacrum) with comparative
Week4	Thigh Region: Femur and Patella with comparative
Week5	Leg Region : Tibia and Fibula with comparative
Week6	The Pes (tarsus, metatarsus and digits) with comparative and Quiz
Week7	The Pes (tarsus, metatarsus and digits) with comparative
Week8	Muscles of Hip & Thigh region
Week9	Muscles of Hip & Thigh region
Week 10	Muscles of Leg & Foot Region
Week 11	Muscles of Metatarsal & Digit
Week 12	Blood supply of the Hind Limb and Quiz
Week 13	Blood Supply of the Hind Limb
Week 14	Nerve Supply of the Hind Limb
Week 15	Preparatory week before the final exam
Week 16	Final exam



Ministry of Higher Education
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University of Diyala



Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	<ul style="list-style-type: none"> Text book of veterinary Anatomy Atlas of Veterinary Anatomy Anatomy of the domestic mammals 	Yes
Recommended Texts	<ul style="list-style-type: none"> Veterinary Anatom Color Atlas of veterinary Anatomy Journal of Anatomy Anatomia, Histologia and Embryologia 	Not all
Websites	http://www.iasj.net	

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 (فئيد 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.



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Animal Husbandry		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Sminar
Module Code	VET107		
ECTS Credits	5		
SWL (hr/sem)	125		
Module Level	1	Semester of Delivery	
Administering Department	Dep. of Vet. Pub. Health	College	College of Vet. Med.
Module Leader	Ali shareef hasan	e-mail	ali.s@uodiyala.edu.iq
Module Leader's Acad. Title	lecturer	Module Leader's Qualification	Ms.c
Module Tutor		e-mail	
Peer Reviewer Name	Ahmed jasim mohammed	e-mail	Ahmed.j@uodiyala.edu.iq
Scientific Committee Approval Date	٢٠٢٥/١٠/١٠	Version Number	1.0

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Objectives أهداف المادة الدراسية</p>	<ul style="list-style-type: none"> ٤. Developing and understanding the principles of field Pet Animal Care from a veterinary perspective in a way that supports the practical side of the profession ٥. The ability to manage the Pet Animal Care field in the healthiest ways ٦. Ability to deal with different Pet Animal.
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<ul style="list-style-type: none"> ٤. Explanation of scientific subjects through theoretical lectures. ٥. Applications of pet animal care in laboratories. ٦. Student prepare a scientific related reports with pet animal care
<p>Indicative Contents المحتويات الإرشادية</p>	<p>This course provides an English language tool for assessing animal behavior in interaction with humans and pets. The psychological and behavioral characteristics of various types of pets are presented. The course will include the advantages of raising pets, principles of health management, diseases that may affect them, and diseases that may be transmitted to humans, as it will address aspects of their causes and prevention. In this course, students will be taught the importance and benefits of raising pets [SSWL= 6 hours].</p> <p>Also, how to deal with animals and ways to restrain, restrain and control them, along with the methods and means that help in their reproduction. We will focus in these aspects on cats and dogs [SSWL= 6 hours]</p> <p>As for the other aspect, it will address the methods of feeding them (dogs, cats and birds), housing them and estimating their ages [SSWL= 6 hours]</p> <p>Students will also be taught the best methods of vaccination [SSWL= 2 hours]</p> <p>Knowing the behaviors and methods of communicating with pets of all kinds [SSWL= 2 hours]</p> <p>The course will also address the management aspects of some laboratory animals such as guinea pigs and rabbits [SSWL= 6 hours]</p> <p>Finally, general care methods for pet birds [SSWL= 5 hours].</p> <p>Total hrs = 30 = (Time table 2 hr x 15 weeks)</p>

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

<p>Strategies</p>	<p>The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, dealing with different pet animal to deal with it the basic rules for their health care and management, As well as using devices and tools that assist in controlling animals. This will be achieved through classroom and lessons that will help students understand and apply it in the labor market.</p>
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University of Diyala



Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	٤٨	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	٣.٢
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	٧٧	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	٥.١
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	125		

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, #4 and #6, #7
	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 Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	History and Breeds
Week 2	Animal health of pet animal
Week 3	Animal health of pet birds
Week 4	Animal Handling and methods of restrain
Week 5	Management of Reproduction in Dogs



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Week 6	Management of Reproduction in Cats
Week 7	Midterm examination
Week 8	Pet bird feeding and Pet feeding
Week 9	Housing
Week 10	Age estimation
Week 11	Vaccination
Week 12	Pet Communication and Behavior
Week 13	Guinea pig management
Week 14	Rabbits pet animals
Week 15	Pet bird general care
Week 16	Preparatory week before the final Exam

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Small Animal Care and Management 4th Edition	Yes
Recommended Texts	Veterinary Guide for Animal Owners: Caring for Cats, Dogs, Chickens, Sheep, Cattle, Rabbits and More, 2nd Edition	yes
Websites	https://www.audible.com/cat/Home-Garden/Pets-Animal-Care-Audiobooks/18573724011	

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.



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Poultry Management		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	VET108		
ECTS Credits	5		
SWL (hr/sem)	125		
Module Level	1	Semester of Delivery	
Administering Department	Dep. of Vet. Pub. Health	College	College of Vet. Med.
Module Leader	Ahmed Abdulmajeed	e-mail	Ahmed.J@uodiyala.edu.iq
Module Leader's Acad. Title	lecturer	Module Leader's Qualification	master
Module Tutor		e-mail	
Peer Reviewer Name	Name Ahmed J. Mohammed	e-mail	E-mail Ahmed.m@uodiyala.edu.iq
Scientific Committee Approval Date	٢٠٢٥/١٠/١٠	Version Number	1.0

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



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and Scientific Research - Iraq
University of Diyala



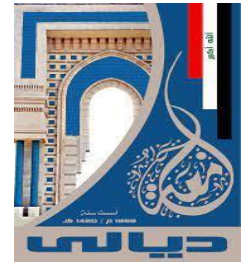
Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Objectives أهداف المادة الدراسية</p>	<p>V. Developing and understanding the principles of field poultry management from a veterinary perspective in a way that supports the practical side of the profession</p> <p>٨. The ability to manage the poultry field in the healthiest ways</p> <p>٩. Ability to deal with different types of poultry</p>
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<p>V. Explanation of scientific subjects through theoretical lectures.</p> <p>٨. Training of students for practical applications in laboratories.</p> <p>٩. Student prepare a scientific related reports.</p>
<p>Indicative Contents المحتويات الإرشادية</p>	<p>Indicative content includes the following.</p> <p>Introduction to poultry science</p> <p>Advantages of Chicken farming, Principles of health management, poultry diseases Causes, Various aspects for prevention and control of poultry diseases.</p> <p>In this section, the student learns the importance and benefits of investing in the poultry sector, the risks involved, and how to avoid and control them. [SSWL=3 hrs]</p> <p>Types of disinfectants used in poultry farms, Poultry houses, types. Cleaning. Fumigation, Stress Management in Poultry. In this section, the student learns the types of fields used in poultry farming and the types of sterilizers used in cleaning, sterilization and fumigation. [SSWL=3 hrs]</p> <p>Hatching and hatchery management. In this section, the student learns how to select eggs suitable for hatching and operate and manage incubators. [SSWL=1 hr]</p> <p>Broiler chicken production, Layers chicken raising, Broiler breeder raising. In this section, the student learns how to raise different types of poultry breeds according to the nature of their production (meat or eggs). [SSWL=3 hrs]</p> <p>Vaccination and Preventive Medication, Routes of administration of vaccine, this section, the student learns the types of vaccines given to poultry, how to store them, and how to administer them.es. [SSWL=1 hr]</p> <p>Breeding turkey, ducks and geese. In this section, the student learns about raising ducks, geese, and turkeys, and the feeds used in feeding. [SSWL=1 hr]</p> <p>Feed materials, food additives and medicines, feed formulation, and drinking Water. In this section, the student learns about the crops used in nutrition and how to grind and mix them to form suitable feeds, as well as the specifications of drinking water, especially wells water. [SSWL=15 hrs]</p> <p>Total hrs = 15 = (Time table hr x 15 weeks)</p>



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



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, dealing with different chicken and knowing the basic rules for their management, As well as using devices and tools that assist in Chicken reproduction. This will be achieved through classroom and practical lessons that will help students understand and apply.

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	48	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	3.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	77	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	5.1
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	125		

Module Evaluation

تقييم المادة الدراسية

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



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Poultry Industry in Iraq and Terminology
Week 2	Poultry Health Management
Week 3	Biology of the chickens
Week 4	Egg structure and Hygiene; Factors affecting egg production
Week 5	Artificial Hatching and Hatcheries
Week 6	Poultry houses Design and Nutrition and Rations Formation
Week 7	Midterm examination
Week 8	Chick brooding
Week 9	Management of Breeder, Broiler and Layer chickens
Week 10	Poultry managements in hot climate`
Week 11	Management of Ostrich, turkey, duck and geese
Week 12	Biosecurity in poultry industry
Week 13	Vaccination Management
Week 14	Poultry waste management
Week 15	Introduction to poultry management diseases
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: Classification of poultry
Week 2	Lab 2: Phenotypes of poultry
Week 3	Lab 3: Egg Storage – Disinfection and Fumigation
Week 4	Lab 4: Sexing and sex-linked traits
Week 5	Lab 5: Poultry Equipment's
Week 6	Lab 6: Feeding formulation and Calculations of feed components in rations



Ministry of Higher Education
and Scientific Research - Iraq
University of Diyala



Week 7	Lab 7: Anatomy of avian digestive system
Week 8	Lab 8: Anatomy of avian respiratory system
Week 9	Lab 9: Anatomy of avian immune system Introduction to immunology
Week 10	Lab 10: Anatomy of avian circulatory system , reproductive system and urinary system
Week 11	Lab 11: Disinfection of poultry Houses and Hatcheries
Week 12	Lab 12: Vaccination programs
Week 13	Lab 13: Lighting and Systems for poultry
Week 14	Lab 14: Ventilation Systems for poultry
Week 15	Lab 15: Visiting of poultry farm

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Poultry Science / Poultry Nutrition and Management	Yes
Recommended Texts	Poultry Health - A Guide for Professionals	yes
Websites	https://www.routledge.com/Animal-Husbandry-Regained-The-Place-of-Farm-Animals-in-Sustainable-Agriculture/Webster/p/book/9781849714211	

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.