

# MODULE DESCRIPTION FORM

## نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	علم الاحياء		Module Delivery
Module Type	B		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code			
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level		Semester of Delivery	
Administering Department	قسم التغيرات المناخية	College	كلية العلوم البيئية
Module Leader	Mohammed Yahyia Ali	e-mail	mohammedallawy@uomosul.edu.iq
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	2023/11/10	Version Number	1.0

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

<b>Module Aims, Learning Outcomes and Indicative Contents</b> <b>أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية</b>	
<b>Module Aims</b> <b>أهداف المادة الدراسية</b>	1. Communicate an idea of environmental biology to zoology, animal and plant tissues and plant tissues. 2. Highlighting the importance of the functions performed by the plant in the environment. 3. Highlight animal behavior in the environment. 4. Give an idea of the geographical distribution of plants and animals in the environment
<b>Module Learning Outcomes</b> <b>مخرجات التعلم للمادة الدراسية</b>	1. Acquire knowledge about the plant and its most important function, which is the process of photosynthesis. 2. Acquire knowledge about zoology and the behavior of animals in the environment in which they are located 3. Learn the geographical distribution of animals and plants in the environment
<b>Indicative Contents</b> <b>المحتويات الإرشادية</b>	1. Introduction to Biology and Botany for Botany with Plant Tissue (3 hours) 2. Plant organs and their importance roots, stems and leaves (3 hours) 3. Leaf function (photosynthesis) Triple Carbon Plants and Tetracarbon Plants (3 hours) 4. Factors affecting photosynthesis and plant respiration (3 hours) 5. Imprebaton, transpiration and tearing (3 hours) 5.Plant and drought (3 hours) 6. Plant movements and geographical distribution of plants (3 hours) 7 Semester Exam 8. Introduction to Zoology (3 hours) 9. Animal tissue (3 hours) 10 . Human body organs and function (3 hours) 11. Animal behavior in the environment 12. Types of behavior, innate and acquired and learning ..... (3 hours). 13 Patterns of Innate Behavior and. Characteristics of Innate Behavior (3 hours) 14. Factors Affecting Innate Behavior, Natural Selection and Behavior (3hrs) 15. Geographical distribution of animals. (3 hours) 16 . Final Exam (3 hours)

## Learning and Teaching Strategies

### استراتيجيات التعلم والتعليم

<b>Strategies</b>	<ol style="list-style-type: none"> <li>1. Clarifying the importance of plants in the environment by withdrawing CO<sub>2</sub> and subtracting O<sub>2</sub></li> <li>2. Knowledge of animal behavior and its role in the ecological balance and sustainability of the food chain</li> <li>3. Linking theoretical ideas with practical experiments to clarify some of the processes in the importance of photosynthesis and plant respiration</li> <li>4. Illustrate animal behavior with videos in a scientific style</li> </ol>
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## Student Workload (SWL)

### الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا

<b>Structured SWL (h/sem)</b> الحمل الدراسي المنتظم للطالب خلال الفصل	95	<b>Structured SWL (h/w)</b> الحمل الدراسي المنتظم للطالب أسبوعيا	1
<b>Unstructured SWL (h/sem)</b> الحمل الدراسي غير المنتظم للطالب خلال الفصل	80	<b>Unstructured SWL (h/w)</b> الحمل الدراسي غير المنتظم للطالب أسبوعيا	14
<b>Total SWL (h/sem)</b> الحمل الدراسي الكلي للطالب خلال الفصل	175		

## Module Evaluation

### تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
<b>Formative assessment</b>	<b>Quizzes</b>	2	10%(10)	4,9	3,7,10
	<b>Assignments</b>	2	10%(10)	2,12	8
	<b>Seminar</b>	1	10%(10)	Continuous	All
	<b>Report</b>	1	10%(10)	11	2
<b>Summative assessment</b>	<b>Midterm Exam</b>	2h	10%(10)	7	1-4
	<b>Final Exam</b>	2h	50%(50)	16	All
<b>Total assessment</b>			100% (100 Marks)	All	

<b>Delivery Plan (Weekly Syllabus)</b> المنهاج الاسبوعي النظري	
	Material Covered
Week 1	<b>Introduction to Biology</b> <b>Characteristics of living organisms and branches of biology</b>
Week 2	<b>Introduction to Botany, Plant Tissues, Plant Organs and Their Functions</b>
Week 3	<b>The effect of climate on quantitative and qualitative characteristics</b>
Week 4	<b>Factors affecting photosynthesis and plant respiration</b>
Week 5	<b>Plant movements transpiration, tears and imbibing in the plant</b>
Week 6	<b>Effects of environmental factors and drought on plants</b>
Week 7	<b>Half course exam</b>
Week 8	<b>Introduction to Zoology and Animal Histology</b>
Week 9	<b>Body organs and functions</b>
Week 10	<b>Behavior of animals in the environment</b>
Week 11	<b>Types of behavior, Factors affecting animal behavior</b>
Week 12	<b>Innate behavior</b>
Week 13	<b>Jealousy animal instinct in animal societies</b>
Week 14	<b>Social behavior, intelligence and behavior regulation</b>
Week 15	<b>Geographical distribution of animals and plants in the globe</b>
Week 16	<b>End of course exam</b>

<b>Delivery Plan (Weekly Lab. Syllabus)</b> المنهاج الاسبوعي للمختبر
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	Material Covered
Week 1	Biology Lap requirements
Week 2	Plant Tissues Slides
Week 3	Preparation of plant tissue slide
Week 4	Plant organelles
Week 5	Experiment with imbibing
Week 6	Experiment on photosynthesis
Week 7	Samples of animals cells
Week 8	Organelles and it's functions
Week 9	Kinds of epithelium tissues
Week 10	Glands and kinds of ductal glands
Week 11	Kinds of secretions
Week 12	Connective tissues
Week 13	Muscular tissues
Week 14	Components of nerves tissues
Week 15	

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

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A – Excellent	امتياز	90 - 100	Outstanding Performance
	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
<b>Fail Group (0 – 49)</b>	<b>FX – Fail</b>	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	<b>F – Fail</b>	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.