



Ministry of Higher Education and  
Scientific Research - Iraq  
Al-Mustaqbal University  
College Of Sciences  
Department of Biology



## MODULE DESCRIPTOR FORM

### نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	General Zoology		Module Delivery	
Module Type	CORE		-Theory Lecture -Lab -Practical Seminar	
Module Code	UOMU0341011			
ECTS Credits	5			
SWL (hr/sem)	200			
Module Level	1	Semester of Delivery	1	
Administering Department	Biology	College	Science	
Module Leader	Prof. Dr. Khairi Abdullah Dawood		e-mail	khairy.abdulla@uomus.edu.iq
Module Leader's Acad. Title	Professor	Module Leader's Qualification	Ph.D	
Module Tutor	None		e-mail	None
Peer Reviewer Name		e-mail		
Review Committee Approval		Version Number		

Relation With Other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

<b>Module Aims, Learning Outcomes and Indicative Contents</b> أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
<b>Module Aims</b> أهداف المادة الدراسية	1-Preparing and qualifying specialists to meet the requirements of the labor market. 2- Encouraging and developing scientific research in the field of life sciences in order to keep pace with development and provide the student with the latest theoretical and practical information in the field of life sciences and zoology in particular. 3- Creating appropriate conditions for faculty members to develop their knowledge and educational and research skills. 4- Preparing the student appropriately for postgraduate studies and scientific research in his field of specialization
<b>Module Learning Outcomes</b> مخرجات التعلم للمادة الدراسية	1- For the student to become familiar with the concepts of zoology. 2- For the student to become familiar with the classification of zoology. 3 - The student gets to know the importance of zoology and basic definitions.
<b>Indicative Contents</b> المحتويات الإرشادية	1- Guiding students to give a lecture (Sumner) by the student to participate in the lecture 2- The student's personal development through explaining certain information to his colleagues 3- Discussing research and articles 4 - Conducting scientific experiments related to the topic by students
<b>Learning and Teaching Strategies</b> استراتيجيات التعلم والتعليم	
<b>Strategies</b>	1- Giving lectures 2- Monthly exams 3- Preparing reports 4- Cobs 5- Discussion method with students 6- Displaying many films and pictures via display screens

Student Workload (SWL) الحمل الدراسي للطالب			
<b>Structured SWL (h/sem)</b> الحمل الدراسي المنتظم للطالب خلال الفصل	102	<b>Structured SWL (h/w)</b> الحمل الدراسي المنتظم للطالب أسبوعيا	7
<b>Unstructured SWL (h/sem)</b> الحمل الدراسي غير المنتظم للطالب خلال الفصل	98	<b>Unstructured SWL (h/w)</b> الحمل الدراسي غير المنتظم للطالب أسبوعيا	7
<b>Total SWL (h/sem)</b> الحمل الدراسي الكلي للطالب خلال الفصل	200		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	1	10% (10)	5	LO # 1 and 3
	Practical Seminar(Lab).	2	15% (15)	Continuous	LO # 2 , 4 and 5
Summative assessment	Midterm Exam	1 hr	15% (15)	14	LO # 1 to 5
	Final Exam	3hr	60% (60)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	<ul style="list-style-type: none"> <li>Life and the features of living organisms</li> </ul>
Week 2	<ul style="list-style-type: none"> <li>The branches of biology sciences</li> </ul>
Week 3	<ul style="list-style-type: none"> <li>Ions and their functions in animal body</li> </ul>
Week 4	<ul style="list-style-type: none"> <li>Animal kingdom and characters of animals</li> </ul>
Week 5	<ul style="list-style-type: none"> <li>Classification of animals due to the features posses</li> </ul>
Week 6	<ul style="list-style-type: none"> <li>Animal cells</li> </ul>
Week 7	<ul style="list-style-type: none"> <li>Cell energy</li> </ul>
Week 8	<ul style="list-style-type: none"> <li>Cell membrane</li> </ul>
Week 9	<ul style="list-style-type: none"> <li>Body fluids and material transports</li> </ul>
Week 10	<ul style="list-style-type: none"> <li>Cellular respiration</li> </ul>
Week 11	<ul style="list-style-type: none"> <li>Animal nutrition</li> </ul>

<b>Week 12</b>	• Types of circular systems in animals
<b>Week 13</b>	• Nervous systems
<b>Week 14</b>	Animals Reproduction
<b>Week 15</b>	Review
<b>Week 16</b>	<b>Exam</b>

<b>Delivery Plan (Weekly Lab. Syllabus)</b> المناهج الاسبوعي للمختبر	
	<b>Material Covered</b>
<b>Week 1</b>	Laboratory guidelines and instructions, the microscope its parts and types, and how to handle it.
<b>Week 2</b>	Animal cell - Examination of some types of animal cells.
<b>Week 3</b>	Animal tissue-Epithelial tissue and its types
<b>Week 4</b>	Connective tissue and its types
<b>Week 5</b>	Bone, cartilage and blood
<b>Week 6</b>	Muscles and its types
<b>Week 7</b>	Nervous tissue
<b>Week 8</b>	Animal groups : Major Phyla, Protozoa, examples
<b>Week 9</b>	phylum: Platyhelminthes, examples
<b>Week 10</b>	phylum: Chordata: Amphibians: frog
<b>Week 11</b>	Anatomy of a frog
<b>Week 12</b>	The frog's skeletal system
<b>Week 13</b>	The frog's muscular system

<b>Learning and Teaching Resources</b> مصادر التعلم والتدريس		
	<b>Text</b>	<b>Available in the Library?</b>
<b>Required Texts</b>	1-T. SARGUNAM STEPHEN, (2007).ZOOLOGY, text book for HIGHER SECONDARY - FIRST YEAR 2- Armand R. Maggenti and Scott L. Gardner,(2005). Online Dictionary of Invertebrate Zoology.	NO

<b>Recommended Texts</b>	Cleveland P. Hickman, Jr. ... [et al.].(2008). INTEGRATED PRINCIPLES OF ZOOLOGY, FOURTEENTH EDITION. Published by McGraw-Hill, a business unit of The McGraw-Hill Companies, Inc., 1221 Avenue of the Americas, New York, NY 10020. Copyright © 2008 by The McGraw-Hill Companies,	No
<b>Websites</b>	<a href="https://www.zootax.com.cn/EN/home">https://www.zootax.com.cn/EN/home</a>	

## APPENDIX:

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	مقبول بقرار	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note:				
NB 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.				