



وكالة الجامعة للشؤون التعليمية  
البرامج الدراسية والتطوير

( 5 )

مختصر توصيف المقرر

Animal Taxonomy

تصنيف الحيوان	:
BIOL-419	:
علم التشريح المقارن BIOL-216	:
لا يوجد	:
	:
2	:
<b>Module Title:</b>	<b>Animal Taxonomy</b>
<b>Module ID:</b>	BIOL-419
<b>Prerequisite (Co-requisite):</b>	Comparative anatomy, BIOL-216
<b>Co-requisite :</b>	N/A
<b>Course Level:</b>	7 <sup>th</sup> level
<b>Credit Hours:</b>	2 Hours

### :(Course Information) \*

#### Module Description :

This course is intended to introduce students to the diversity and classification of the animal kingdom. To fulfil this, the course was designed to focus on three issues: firstly, obtain knowledge about the history, general principles and objectives of Systematic Zoology. Secondly, characteristics and brief overview on classification of different animal phyla, and finally, explain and provide examples of how animals adapt to specific environmental conditions.

#### Module Aims

#### أهداف المقرر:

1	History and general principle of taxonomy	1
2	The objectives of taxonomy and contributions of Taxonomy to Biology.	2
3	Explain the theories of Taxonomy.	3
4	Animal population and their Diversity, Dynamic of Reproductive Isolation.	4

5	Taxonomic characters and procedures of classification.	5
6	Presentation of the Taxonomic findings with principles and interpretation of Zoological Nomenclature.	6

### Learning Outcomes:

### مخرجات التعليم:

1	Define methods of studying Taxonomic problems.	1
2	Recognise biological diversity, based on taxonomy.	2
3	Using taxonomic keys to classify taxonomic findings.	3
4	Record and describe samples of various species.	4
5	Finding out individual variations within species.	5
6	Use computers and internet to aid in data analysis.	6

### Course :

### Contents:

ساعات التدريس (Hours)	الأسابيع (Weeks)	(Subjects)
4	2	Principles of animal taxonomy and its application.
4	2	Methods of Taxonomy.
4	2	Theories of taxonomy.
4	2	Taxonomic variations within individual And population.
4	2	Steps for taxonomic preparation.
4	2	Collecting and animal collections
4	2	Keys and statistical analysis.
4	1	International rules of Zoological nomenclature

## Textbook and :

### References:

ISBN	Publishing Year	Publisher	المؤلف (رئيسي) Author's Name	Textbook title
978-1682862650	2016	Syrawood Publishing House	Austin Balfour	Principles of Plant and Animal Taxonomy
	Publishing Year	Publisher	اسم المؤلف (رئيسي) Author's Name	Reference
978-1410933331	2009	Raintree	Casey Rand	Classification of Animals
978-0070411449	1991	Mcgraw-Hill College	Ernst Mayr	Principles of Systematic Zoology
978-0231096508	1990	Columbia Univ Pr.	George Gaylord Simpson	Principles of Animal Taxonomy
978-1334775864	2016	Forgotten Books	George Shaw	General Zoology

