

توصيف مقرر دراسي

١ بيانات المقرر	
الرمز الكودي : Z204	أسم المقرر: Chordata & Verteberates
التخصص: علوم البيئة	عدد الوحدات الدراسية: 2 نظري 1 تمارين ٠ عملي 2
٢ هدف المقرر:	
<p>For students undertaking this course, the aims are to:</p> <ol style="list-style-type: none"> 1. Introduce the systematic classification of different chordate classes. 2. Discuss the main characteristic features of choerdates. 3. Explain the different structural pattern of main body systems. 	
٣ المستهدف من التدريس المقرر:	
أ- المعلومات والمفاهيم:	<p>a- Knowledge and Understanding :</p> <p>On completing this course, students will be able to:</p> <ol style="list-style-type: none"> a1. Understand the systematic position of the different chordate organisms. a2. Describe the the general characters in each class. a3. Recognize the structure of body systems.
ب- المهارات الذهنية	<p>b- Intellectual Skills: On completing this course, students will be able to:</p> <ol style="list-style-type: none"> b1. Differentiate between the systems originals. b2. Evaluate the effect of the environment on the animals. b3. Differentiate between animal groups. b4. Distinguish between insects and other animals as arthropods.
ج- المهارات المهنية الخاصة بالمقرر:	<p>c-Professional and Practical Skills: On completing this course, students will be able to:</p> <ol style="list-style-type: none"> c1. Dissect different chordate animals. c2. Compare between animals.
د- المهارات العامة :	<p>d-General and Transferable Skills: On completing this course, students will be able to:</p> <ol style="list-style-type: none"> d1. Plan, organize and communicate effectively. d2. Search for update information and recent techniques of the interested specific area. d3. Work effectively both in a team and independently.
٤ محتوى المقرر:	<ul style="list-style-type: none"> - Introduction to chordates - Protochordates (classes: Ascidiacea, Thaliacea and Larvacea), studying some body systems (digestive, circulatory and nervous system)

<ul style="list-style-type: none">- Cephalochordates: general characters, external features, studying some body organs (digestive, circulatory, nervous and reproductive)- Cyclostomata: general characters, digestive, respiratory and nervous system- Cartilagenous fishes (dogfish): general characters, external features and digestive system- Cartilagenous fishes (dogfish): chndrocranium and splanchnocranium structures, pectoral and pelvic girdles and the urinogenital system- Osteochthyes (<i>Tilapia nilotica</i>): classification, general characters, digestive and respiratory system- Amphibia: classification of amphibian, general characters, (digestive, reproductive and respiratory system)- General characters of amniotes- Reptilia: classification of reptilian and its general characters- Aves: classification of avesand its general characters- Aves: digestive system, urinogenital system and skeletal system- Mammals: classification and general characters													
4 - Teaching and Learning Methods 4.1 - Lectures (1 hours). 4.2 - Practical (2 hours).	٥ أساليب التعليم والتعلم:												
The same as normal students, only skeletal disabilities are allowed in the Faculty of Science.	٦ أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة:												
٧ تقويم الطلاب :													
Student Assessment Methods <table><tr><td>Written exam.</td><td>to assess</td><td>a1,a2</td></tr><tr><td>Oral exam</td><td>to assess</td><td>b1,c2,d1,d3</td></tr><tr><td>Practical exam</td><td>to assess</td><td>c1,c2 ,d2</td></tr><tr><td>Mid-term exam</td><td>to assess</td><td>a1,a2</td></tr></table>	Written exam.	to assess	a1,a2	Oral exam	to assess	b1,c2,d1,d3	Practical exam	to assess	c1,c2 ,d2	Mid-term exam	to assess	a1,a2	أ- الأساليب المستخدمة :
Written exam.	to assess	a1,a2											
Oral exam	to assess	b1,c2,d1,d3											
Practical exam	to assess	c1,c2 ,d2											
Mid-term exam	to assess	a1,a2											
Assessment Schedule <table><tr><td>Assessment 1</td><td>Week #</td><td>14</td></tr><tr><td>Assessment 2</td><td>Week #</td><td>14</td></tr><tr><td>Assessment 3</td><td>Week #</td><td>13</td></tr><tr><td>Assessment 4</td><td>Week #</td><td>6</td></tr></table>	Assessment 1	Week #	14	Assessment 2	Week #	14	Assessment 3	Week #	13	Assessment 4	Week #	6	ب- التوقيت :
Assessment 1	Week #	14											
Assessment 2	Week #	14											
Assessment 3	Week #	13											
Assessment 4	Week #	6											
Weighting of Assessments <table><tr><td>Final-Term Examination</td><td>60</td></tr><tr><td>Oral Examination</td><td>10</td></tr><tr><td>Practical Examination</td><td>20</td></tr><tr><td>Mid-term</td><td>10</td></tr><tr><td>Other types of assessment</td><td>0</td></tr></table>	Final-Term Examination	60	Oral Examination	10	Practical Examination	20	Mid-term	10	Other types of assessment	0	ج- توزيع الدرجات :		
Final-Term Examination	60												
Oral Examination	10												
Practical Examination	20												
Mid-term	10												
Other types of assessment	0												

	Total	100%		
٨- قائمة الكتب الدراسية والمراجع :				
Course notes authorized by the department.				أ- مذكرات:
Comparative anatomy of the vertebrates, George C.Kent				ب- كتب ملزمة
Modern Text-Book of Protochordata. O.P. Saxena. ,S. Chand and Company. 1985. Entomology . Gillott, Cedric. Springer, 2005. Chordate Morphology, Malcolm Jollie, 1973 Anatomy of Chordate, Charles K. Weicher, 4th ed. New York, Mcgraw-Hill. 1970				ج- كتب مقترحة :
Periodicals, different Web Sites about chordates.				د- دوريات علمية أو نشرات..

(أ) مصفوفة المعارف والمهارات المستهدفة من المقرر الدراسي

المحتويات للمقرر	أسبوع الدراسة	المعارف الرئيسية	مهارات ذهنية	مهارات مهنية	مهارات عامة
A) Chordates: Special chordate characters	١	a1	b1,b2	c1 ,c2	d1
Branchiostoma (cephalochordate)	٢	a2	b2,b2,b3	c1 ,c2	d1, d2
Urochordata & hemichordata	٣	a1, a2	b2,b3	c1 ,c2	d1, d2
General characters of vertebrates	٤	a1,a2	b1	c1 ,c2	d1, d2
Sense organs of vertebrates	٥	a2	b3	c1 ,c2	d1
Chondrychithes Bony fishes (Osteichthyes)	٦	a1,a2	b1, b3	c1 ,c2	d1, d2
Amphibia, Reptilia	٧	a2	b1,b2	c1	d1, d2
Aves Mammals	٨	a1,a2	b1,b3	c2	d1, d2
B) Entomology: General characters of insects	٩,10	a3,a4	b1,b3,b4	c3	d1, d2
Attributes of insects	11,12	a4,a5	b1,b2	c4	d1, d2
Harm of insects	13	a4,a5	b1,b3	c4	d1, d2
Benefits of insects. Studying the cockroach	14	a5	b4	c5	d1, d2
Practical according to the course content (Embryology, Physiology & histology)	٢-١١			c1,c2,c3, c4,c5	d1, d2

رئيس مجلس القسم العلمي :أ.د. هناء على حسن

أستاذ المادة: د. يسرا عبدالعزيز السيد فوده