

توصيف مقرر دراسي

١ - بيانات المقرر		
المستوى: الرابع	أسم المقرر: <b>Animal Behavior</b>	الرمز الكودي: <b>Es408</b>
عدد الوحدات الدراسية: 3	نظري 2	تمارين 0
عملى 2		التخصص: علوم البيئة

<p>أ- هدف المقرر:</p> <p>For students undertaking this course, the aims are to:</p> <p>1 - Acquire knowledge and awareness of animal behavior.</p> <p>2 - Know the role of comparative physiology in generals in the animal behavior.</p> <p>3 - Explain the ways in which physiological functions common to all animals have become uniquely adapted to the demands imposed by extreme environments.</p>	
ب- المستهدف من التدريس المقرر:	
<p>أ- المعلومات والمفاهيم:</p> <p>a- Knowledge and Understanding : On completing this course, students will be able to:</p> <p>a1. Explain the genetic and macro-evolutionary basis of animal behavior.</p> <p>a2. Define the different types of animal behavior.</p> <p>a3. Identify the role of behavior in the animal life.</p> <p>a4. Evaluate the physiological adaptations of animals to life in extreme environments.</p> <p>a5. Analyze the dynamic interaction that is the host/parasite Relationship.</p> <p>a6. Outline the relationships between animals; species to Community &amp; ecosystem.</p>	
<p>ب- المهارات الذهنية</p> <p>b- Intellectual Skills: On completing this course, students will be able to:</p> <p>b1. Predict the behavior of vectors in parasite transmission.</p> <p>b2. Explain how host and parasite behavior can influence Transmission.</p> <p>b3. determine the evolution of blood-feeding in insects, its taxonomic distribution and its role in the transmission of parasitic diseases.</p> <p>b4. Distinguish the basic roles of animal relations.</p> <p>b5. Differentiate between the importance of behavior in persistence of animal life.</p>	
<p>ج- المهارات المهنية الخاصة بالمقرر:</p> <p>c-Professional and Practical Skills: On completing this course, students will be able to:</p> <p>c1. Develop information about the relationship between host and parasite.</p> <p>c2. Apply education about taxis, reflexes, instinctive, learning and reasoning.</p> <p>c3. Provide information about respecting animals and not disturbing their environment.</p>	

c4. Organize experiments to illustrate the onset of behavior response.				د- المهارات العامة : :
d-General and Transferable Skills: On completing this course, students will be able to:				
d1. Use appropriate interpersonal communication skills.				
d2. Apply principle of advocacy, empowerment, ethics and human rights.				
d3. Develop management and leadership skills.				ت- محتوى المقرر:
<b>A) Biological association:</b> Competition. Flam beetles experiment. Strategy of competition. How common is competition in nature. Ecological isolating mechanisms Predation. Field studies Successful parasitoid Host specify and complex cycles. Symbiosis				
<b>B) Animal behavior:</b> General systems of adaptive behavior. Learning The effect of experience. Some general principles of learning. Development of social behavior in Ants and Rhesus Monkeys Developmental homeostasis.				
4 - Teaching and Learning Methods 4.1 - Interactive presentation (lectures with discussion). 4.2 - Search online.				
As normal students. Only students with skeletal disabilities are allowed to join the program				ث- أساليب التعليم والتعلم: ج- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة:
ح- تقويم الطلاب :				
5 - Student Assessment Methods				أ- الأساليب المستخدمة :
5-1.	Final exam	to assess	a1,a2,a3,a4,a5,a6, b1,b2,b3,b4,b5	
5-2.	Oral exam	to assess	a1,a2,a3,a4,a5,a6, b1,b2,b3,b4,b5	
5-3.	Mid-term Exam.	to assess	c1,c2,c3,c4,d1,d2,d3	
Assessment Schedule				ب- التوقيت :
Assessment 1	Week #	14		
Assessment 2	Week #	14		
Assessment 3	Week #	6		
Weighting of Assessments				ج- توزيع الدرجات : :
Final-Term Examination		60		
Oral Examination		10		
Practical Examination		20		
Semester work		10		
Other types of assessment		0		
Total		100		
٨- قائمة الكتب الدراسية والمراجع :				

Animal behavior course notes. Issued and authorized by the department	أ- مذكرات:
	ب- كتب ملزمة
Essential Animal Behavior By: Graham Scott (University of Hull), 2004 An introduction to animal behavior, Manning, Aubrey. Cambridge University Press, 1992.	ج- كتب مقترحة :
Different scientific sites related to the field	د- دوريات علمية أو نشرات..

### مصفوفة المعارف والمهارات المستهدفة من المقرر الدراسي

المحتويات للمقرر	أسبوع الدراسة	المعارف الرئيسية	مهارات ذهنية	مهارات مهنية	مهارات عامة
A) Biological association: Competition. Flam beetles experiment.	1	a4,a5	b1,b2	c1	d3
Strategy of competition. How common is competition in nature.	2	a4	b2,b3	c2,c3	d1, d2
Ecological isolating mechanisms	3	a5	b1,b3	c3	d1, d3
Predation.	4	a4,a5	b1	c2	d1, d2
Field studies	5	a6	b4	c1,c3	d1, d3
Successful parasitoid	6	a5	b1, b3	c2,c3	d2, d4
Host specify and complex cycles.	7	a5	b1,b2	c1	d1,d3
Symbiosis	8	a4,a6	b1,b3	c3	d1
B) Animal behavior: General systems of adaptive behavior. Learning	9	a1,a3	b5	c4	d2,d3
The effect of experience. Some general principles of learning.	10	a1,a2	b5	c4	d1, d4
Development of social behavior in Ants and Rhesus Monkeys	11	a3	b5	c4	d2, d3
Developmental homeostasis.	12	a1,a2	b5	c4	d2,d4

أستاذ المادة: د. هدى عبد العزيز سالم رئيس مجلس القسم العلمي: أ.د. هناء على حسن