



Academic Course Specification Form

استمارة توصيف المقرر الأكاديمي

القسم الخاص بالطالب Section Concerning the Student

1. Course Code:	BIOLS335	1. رمز المقرر:
2. Course Title	Animal Behavior	2. اسم المقرر:
3. College:	Science	3. الكلية:
4. Department:	Biology	4. القسم:
5. Academic Program:	Bachelor of Science in Biology	5. البرنامج الأكاديمي:
6. Course Credits:	3-0-3	6. عدد الساعات المعتمدة:
7. Course NQF Level:	8	7. مستوى المقرر وفقاً للإطار الوطني للمؤهلات:
8. Notional Hours:	133	8. عدد الساعات الافتراضية:
9. NQF Credits:	13	9. عدد الساعات المعتمدة للمقرر وفقاً للإطار الوطني للمؤهلات:
10. European Credit Transfer System (ECTS) credits	6.5	10. عدد الساعات للمقرر بالنظام الأوروبي
11. Prerequisite:	BIOLS234	11. المتطلب السابق للمقرر:
12. Lectures Timing & Location:		12. وقت المحاضرة ومكانها:

13. General Mode of Teaching and Learning	Traditional تقليدي	13. النمط العام للتعليم والتعلم:
14. Course Coordinator:		14. منسق المقرر:
15. Course Instructor:		15. مدرّس المقرر:
16. Office Hours and Location:		16. الساعات المكتبية ومكانها:
17. Instructor's Email:		17. البريد الإلكتروني لمدرّس المقرر:
18. Academic Year:		18. السنة الأكاديمية:
19. Semester:		19. الفصل الدراسي:
20. Textbook(s):	20. الكتب الدراسية للمقرر:	
Animal Behavior : concepts, Methods, and Applications, Oxford University Press, Incorporated, 2024		
21. References:	21. المراجع:	
Dugatkin, L.A. 2013. Principles of Animal Behavior. 3rd Edition. WW Norton and Co. R. Dukas & J.M. Ratcliffe. 2009. Cognitive ecology II. University of Chicago Press, 2009 Kappeler, P.M. 2010. Animal Behaviour: Evolution and Mechanisms (electronic resource). Berlin, Heidelberg : Springer-Verlag Berlin Heidelberg. Grier, J.W. and T. Burk. 1992. Biology of Animal Behaviour. 2nd Edition, Mosby. Alcock, J. 2009. Animal Behavior: An Evolutionary Approach. 9th Edition, Sinauer. Drickamer, L.C., Vessey, S.H. and Meikle, D. 2002. Animal Behavior: Mechanisms, Ecology and Evolution. WMC Brown Publishers. Goodenough, J., McGuire, B., and Jakob, E. 2010. Perspectives on Animal Behavior. 3rd Edition. John Wiley and Sons. Martin, P. and Bateson, P. 1986. Measuring Behaviour: An Introductory Guide. Cambridge University Press. Principles of Animal Behavior, 4th edition, Lee Alan DUGATKIN, University of Chicago Press Alcock, J., Animal Behavior, an Evolutionary Approach. 8th Edition. Sinauer Associate, Inc. Publishers. Sunderland, Massachusetts, USA. Alcock, J. 2013. Animal Behavior: An Evolutionary Approach. Tenth Edition Sherman, P.W. and J. Alcock. 2013. Exploring Animal Behavior: Readings from American Scientist. Sixth Edition		
1. Other Learning Resources Used (e.g. e-learning, field visits, periodicals, software, etc.):	22. مصادر التعلم الأخرى (مثال: التعلم الإلكتروني، زيارات ميدانية، دوريات، برمجيات، إلخ....)	
Lecture notes Audio-video facility Access online facilities and Youtube		

2. Course Description (as published in the College Catalogue):		23. توصيف المقرر (حسب ما ورد في دليل الكلية):	
Animal behavior related to maintenance, feeding, defensive, habitat selection, communication, sociobiology, reproductive, development, learning parental care, role of hormones, the animal's genotype, and the animal's environment in the development of behavior and eventually relating some of these to human behavior.			
3. Course Intended Learning Outcomes (3 to 5 CILOs):		24. مخرجات التعلم للمقرر (CILOs) (3 إلى 5 مخرجات تعليمية):	
1. Describe the general principles of animal behavior using specific examples from the animal kingdom.			
2. Apply the scientific Skills, method and behavioral theory to answer specific questions about the interaction between organisms and their environment			
3. Discuss the mechanisms that control behavior			
4. Exhibit behaviors associated with reproduction			
5. Identify the ultimate and proximate causes of behavior.			
4. Course Assessment Percentages (as per Regulations of Study and Examination at the University of Bahrain):		4) أساليب التقييم ونسبها المئوية (بحسب نظام الدراسة والامتحانات في جامعة البحرين):	
Assessment التقييم	Type النوع	Percentage النسبة	Assessment Date تاريخ التقييم
Midterm-I	Individual فردى	25%	
Midterm-II	Individual فردى	25%	
Quiz	Individual فردى	10%	
Final	Individual فردى	40%	
Total	100%		
5. Description of Topics Covered		5) وصف الموضوعات التي ينبغي تناولها:	
Topic Title (e.g. chapter/experiment title) الموضوع		Description التفصيل	
Introduction to Animal Behavior		Definition and Scope of Animal Behavior, Methods of Studying Animal Behavior, Genetic and Environmental Influences on Behavior	
Proximate and Ultimate Causes of Behavior		Proximate Cause, Genetic influences, Neural mechanisms, Hormonal mechanisms, Ultimate Causes, Evolutionary explanations, Fitness and survival, Development and Learning	
Development of Behavior		Genetic Influences on Behavior, Role of Environment in Behavioral	

	Development, Critical Periods and Sensitive Periods, Imprinting and Early Learning, Socialization and Play Behavior, Ontogeny of Specific Behavior, Impact of Experience and Learning
Control of Behavior	Neural Control, Hormonal Regulation, Sensory System, Motor Systems, Feedback Mechanisms, Circadian Rhythms, Behavioral Responses to Environmental Stimuli
Organization of Behavior	Behavioral Hierarchies Social Organization, Communication Systems, Territoriality and Home Range, Ritualized Behaviors, Temporal Organization (Circadian Rhythms), Spatial Navigation
Adaptive Behavior	Definition and Concepts of Adaptive Behavior, Optimal Foraging Theory, Mating Systems and Reproductive Strategies, Social Behavior and Cooperation, Communication Strategies, Behavioral Adaptations to Environmental Challenges
Feeding Behavior	Introduction to Feeding Behavior, Foraging Strategies, Predator-Prey Interactions, Feeding Mechanisms and Adaptations, Social Aspects of Feeding, Regulation of Feeding Behavior, Feeding Behavior in Changing Environments
Habitat Selection	Introduction to Habitat Selection Factors Influencing Habitat Selection Optimal Foraging Theory and Habitat Choice Predator Avoidance and Refuge Selection Competitive Interactions and Habitat Partitioning Seasonal and Temporal Changes in Habitat Use Human Impact on Habitat Selection
Communication	Types of Communication Visual, auditory, chemical, tactile, Functions Reproduction, social interaction, alarm, Signal Characteristics, Production, reception, content, Group coordination, hierarchy, Human Impact, Noise pollution, conservation

Reproductive Behavior			Mating Systems Types of mating systems, Mate Choice and Courtship Sexual selection mechanisms Reproductive Cycles Estrous cycles and breeding seasons Parental Care Maternal and paternal care behaviors Reproductive Strategies Life history strategies for reproduction	
Parental Care			Introduction to Parental Care, Types of Parental Care, Maternal care, Paternal care, Biparental care, Parent-Offspring Recognition, Factors Influencing Parental Care, Ecological factors, Social factors, Costs and Benefits of Parental Care, Evolutionary Perspectives on Parental Care	
Social Behavior			Introduction to Social Behavior, Types of Social Organizations, Group living and solitary behavior, Social hierarchies Communication in Social Contexts, Signals and displays Role of communication in group dynamics, Cooperation and Altruism Conflict and Aggression Causes and resolution of conflicts, Aggressive behaviors, Social Learning, Observational learning, Cultural transmission of behavior Human Impact on Social Behavior	
6. Weekly Schedule			6) الجدول الأسبوعي	
Week الأسبوع	Date التاريخ	Topics Covered الموضوعات المتناولة	CILOs مخرجات التعلم للمقرر (CILOs)	Teaching/Assessment Mode and Method منهجية ونمط التدريس/التقييم
1		Introduction to Animal Behavior	1,2 and 3	Traditional تقليدي
2		Proximate and Ultimate Causes of Behavior	1,2 and 3	Traditional تقليدي
3		Development of Behavior	1,2, 3 and 4	Traditional تقليدي
4		Control of Behavior	1,2, 3 and 4	Traditional تقليدي

5		Organization of Behavior	1,2, 3 and 4	تقليدي Traditional
6		Adaptive Behavior	1,2, 3, 4 and 5	تقليدي Traditional
7		Feeding Behavior	1,2, 3, 4 and 5	تقليدي Traditional
8		Habitat Selection	1,2, 3,4 and 5	تقليدي Traditional
9		Communication	1,2, 3,4 and 5	تقليدي Traditional
10		Reproductive Behavior	1,2, 3,4 and 5	تقليدي Traditional
11		Reproductive Behavior	1,2, 3,4 and 5	تقليدي Traditional
12		Reproductive Behavior	1,2, 3,4 and 5	تقليدي Traditional
13		Parental Care	1,2, 3,4 and 5	تقليدي Traditional
14		Parental Care	1,2, 3,4 and 5	تقليدي Traditional
15		Social Behavior	1,2, 3,4 and 5	تقليدي Traditional
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7. Academic Integrity Statement			7) بيان النزاهة الأكاديمية	
Students are to observe the highest level of honesty and academic ethics in pursuit of their academic goals as per UOB Regulations of Student Conduct and Academic Integrity, Anti-plagiarism Policies , and Students' Rights and Responsibilities Handbook . The consequences for cheating, plagiarism, unauthorized collaboration, and other forms of academic dishonesty can be very serious and will be dealt with as per the aforementioned policies and regulations.			يتعين على الطلبة الالتزام بأعلى مستويات الصدق والأمانة والأخلاق الأكاديمية في سعيهم لتحقيق أهدافهم الأكاديمية وفقاً للوائح سلوك الطلاب والنزاهة الأكاديمية، سياسات مكافحة الانتحال ، ودليل حقوق الطلبة وواجباتهم ، المعمول بها في جامعة البحرين. يمكن لعواقب الغش والسرقة الأدبية والتعاون غير المصرح به وغيرها من أشكال عدم الأمانة الأكاديمية أن تكون خطيرة للغاية وسيتم التعامل معها وفقاً للسياسات واللوائح المذكورة آنفاً.	
8. Attendance and Absence Regulations			8) نظام الحضور والغياب	
Students are required to adhere to regular attendance for class lectures and practical sessions, as determined by the nature of the course, as per Article (33) of Regulations of Study and Examination at the University of Bahrain .			يجب على الطلبة الالتزام بالحضور المنتظم للمحاضرات الصفية والعملية، حسبما تحدده طبيعة المقرر الدراسي، ووفقاً للمادة (33) من نظام الدراسة والامتحانات في جامعة البحرين .	

