



Academic Course Specification Form

استمارة توصيف المقرر الأكاديمي

القسم الخاص بالطالب Section Concerning the Student

1. Course Code:	BIOLS 380	1. رمز المقرر:
2. Course Title	Marine Biology	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:	2-2-3	6. عدد الساعات المعتمدة:
7. Course NQF Level:	8	7. مستوى المقرر وفقاً للإطار الوطني للمؤهلات:
8. Notional Hours:	125	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:	BIOLS 340	11. المتطلب السابق للمقرر:

12. Lectures Timing & Location:		12. وقت المحاضرة ومكانها:
13. General Mode of Teaching and Learning	تقليدي Traditional	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:	
Castro, P. and Huber, M.E. (2024). Marine Biology. 12 th edition. McGraw Hill.		
21. References:	21. المراجع:	
Nybakken, J.W. and Bertness, M.D. (2005) "Marine Biology: An Ecological Approach", 6th Edition, Benjamin Cummings		
22. 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....)	
23. Course Description (as published in the College Catalogue):	23. توصيف المقرر (حسب ما ورد في دليل الكلية):	
Basic principles of marine biology; evolution of the sea basin; marine biot's and their ecology; seawater chemistry and marine pollution. Field and laboratory work is an integrated part of the course.		
24. Course Intended Learning Outcomes (3 to 5 CILOs):	24. مخرجات التعلم للمقرر (CILOs) (3 إلى 5 مخرجات تعليمية):	
1. Relate seawater physical and chemical properties to marine biology.		
2. Recognize plankton and plankton communities and their ecology		
3. Investigate tides that influence marine organisms and features of intertidal habitats and their communities.		

4. Compare coral reefs and mangrove forests as significant tropical communities.			
5. Evaluate the findings of experiments on marine biological aspects			
25. Course Assessment Percentages (as per Regulations of Study and Examination at the University of Bahrain):		25. 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	20%	
Poster Presentation	Group جماعى	5%	
Midterm 2	Individual فردى	20%	
Final Exam	Individual فردى	40%	
Lab assignments	Group جماعى	15%	
Total	100%		
26. Description of Topics Covered		26. وصف الموضوعات التي ينبغي تناولها:	
Topic Title (e.g. chapter/experiment title) الموضوع		Description التفصيل	
Chemical and physical features of seawater and the world ocean (chapter 3)		Properties of seawater and basic s of oceanography	
The microbial world (chapter 5)		The major groups of planktonic organisms in the ocean, their biology characteristics, structures, adaptation to marine life, and their flotation mechanisms.	
Life near the surface (Chapter 15)		The major groups of planktonic organisms in the ocean, their biology characteristics, structures, adaptation to marine life, and their flotation mechanisms.	
Between the tides (chapter 11)		The features of intertidal zones include the environmental conditions that governs the existence of marine organisms, and their adaptation mechanisms in areas that exhibit exposure to sun and atmosphere twice a day. Also, describing the features of the three types of intertidal zones (rocky, sandy, and muddy shores) and the organisms that inhabit there in terms of their diversity, distribution and role in the marine ecosystem.	
The seafloor (chapter 2)		Studying the major tropical communities, i.e. coral reef and mangrove, in terms of their: distribution around, origin and nature, biological characteristics, and their role in the marine ecosystem.	

Tropical Communities			Studying the major tropical communities, i.e. coral reef and mangrove, in terms of their: distribution, origin and nature, biological characteristics, and their role in the marine ecosystem.	
27. Weekly Schedule			27. 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 marine Biology	1	Traditional تقليدي
2		Chemical and physical features of seawater and the world ocean. LAB: Library resources workshop	1	Traditional تقليدي
3		Chemical and physical features of seawater and the world ocean. LAB: Introduction to the practical part and safety rules	1	Traditional تقليدي
4		The microbial world and Life near the surface Phytoplankton. Zooplankton. LAB: Film (Tides)	2,5	Traditional تقليدي
5		The microbial world and Life near the surface Phytoplankton. Zooplankton.	2,5	Traditional تقليدي

		LAB: Determination of nutrients in seawater samples (I)		
6		Between the tides • <i>Environmental conditions.</i> • <i>Adaptation of intertidal organisms.</i> A. Rocky shores B. Sandy shores C. Muddy shores LAB: Determination of nutrients in seawater samples (II)	3,5	Traditional تقليدي
7		Between the tides • <i>Environmental conditions.</i> • <i>Adaptation of intertidal organisms.</i> A. Rocky shores B. Sandy shores C. Muddy shores LAB: Sediment analysis and organic content (I)	3,5	Traditional تقليدي
8		Between the tides • <i>Environmental conditions.</i> • <i>Adaptation of intertidal organisms.</i> A. Rocky shores B. Sandy shores C. Muddy shores LAB: Sediment analysis and organic content (II)	3,5	Choose an item.
9		Between the tides	3,5	Traditional تقليدي

		• <i>Environmental conditions.</i> • <i>Adaptation of intertidal organisms.</i> Rocky shores Sandy shores Muddy shores LAB: Poster presentation (I)		
10		Life near the surface: The organisms of the epipelagic, Epipelagic food webs	2,5	تقليدي Traditional
11		Life near the surface: the organisms of the epipelagic, Epipelagic food webs. LAB: Field trip I	2,5	تقليدي Traditional
12		Life near the surface: the organisms of the epipelagic, Epipelagic food webs. LAB: Field trip II	2,5	تقليدي Traditional
13		The sea floor : The water planet, The origin and structure of the ocean basin, The geological provinces of the ocean LAB: Benthos	1,5	تقليدي Traditional
14		The sea floor : The water planet, The origin and structure of the ocean basin, The geological provinces of the ocean LAB: Phytoplankton	1,2, 5	تقليدي Traditional
15		Tropical communities: Coral reefs Mangrove forests	4	تقليدي Traditional
16				
28. Academic Integrity Statement			28. 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، و دليل 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.
29. Attendance and Absence Regulations	29. 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.