Academic Course Specification Form

استمارة توصيف المقرر الأكاديمي

القسم الخاص بالطالب
Section Concerning the Student

1. Course Code:	**BIOLS 103**	**1. رمز المقرر:**
2. Course Title	General Biology II	**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:	3-2-4	**6. عدد الساعات المعتمدة:**
7. Course NQF Level:	6	**7. مستوى المقرر وفقا للإطار الوطني للمؤهلات:**
8. Notional Hours:	172	**8. عدد الساعات الافتراضية:**
9. NQF Credits:	17	**9. عدد الساعات المعتمدة للمقرر وفقا للإطار الوطني للمؤهلات:**
10. Prerequisite:	BIOLS 102	**10. المتطلب السابق للمقرر:**
11. Lectures Timing & Location:		**11. وقت المحاضرة ومكانها:**
12. General Mode of Teaching and Learning	Tranditional تقليدي	**12. النمط العام للتعليم والتعلّم:**

13. Course Coordinator:		**13. منسّق المقرر:**
14. Course Instructor:		**14. مدرّس المقرر:**
15. Office Hours and Location:		**15. الساعات المكتبية ومكانها:**
16. Instructor's Email:		**16. البريد الإلكتروني لمدرّس المقرر:**
17. Academic Year:		**17. السنة الأكاديمية:**
18. Semester:		**18. الفصل الدراسي:**

19. Textbook(s):	**19. الكتب الدراسية للمقرر:**

1. **Biology by Sylvia Mader (14th Editions/Evergreen) 2024**
2. **https://www.mheducation.com/highered/product/Biology-Mader.html**

Lab. Handouts

20. References:	**20. المراجع:**

1. **(http://www.ac-knowledge.net/uobv3/):**
   Biology books available in library

21. Other Learning Resources Used (e.g. e-learning, field visits, periodicals, software, etc.):	**21. مصادر التعلّم الأخرى (مثال: التعلّم الإلكتروني، زيارات ميدانية، دوريات، برمجيات، إلخ....)**

e-Learning, and field visits

E- Learning: Black Board & Microsoft Teams Platforms.

22. Course Description (as published in the College Catalogue):	**22. توصيف المقرر (حسب ما ورد في دليل الكلية):**

Classification of organisms, plant's structure and function; animal structure and function; evolutionary theory; ecology and modern biological problems.

23. Course Intended Learning Outcomes (3 to 5 CILOs):	**23. مخرجات التعلّم للمقرر (CILOs) (3 إلى 5 مخرجات تعلّمية):**

1. Classify the different organisms into their major taxonomic groups based on morphological features and evolutionary trend.
2. Compare the structure and function of different systems in major plant and animal groups.
3. Infer beneficial and harmful effects of organisms on human life.
4. Interpret the interactions of organisms with their environments.
5. Examine representative model organisms using basic tools such as dissection, microscopy and IT.

24. Course Assessment Percentages (as per Regulations of Study and Examination at the University of Bahrain):		24. أساليب التقييم ونسبها المئوية (بحسب نظام الدراسة والامتحانات في جامعة البحرين):	
Assessment **التقييم**	**Type** **النوع**	**Percentage** **النسبة**	**Assessment Date** **تاريخ التقييم**
Midterm I	Individual فردي	*12 %*	
Midterm II	Individual فردي	*12 %*	
QUIZ I	Individual فردي	*2 %*	
QUIZ II	Individual فردي	*2%*	
QUIZ III	Individual فردي	*2 %*	
Lab Exam 1	Individual فردي	*10 %*	
Lab Exam 1I	Individual فردي	*10 %*	
Lab Assignment	Group جماعي	*10 %*	
Final Exam	Individual فردي	*40%*	
Total	**100%**		

25. Description of Topics Covered	25. وصف الموضوعات التي ينبغي تناولها:
Topic Title ***(e.g. chapter/experiment title)*** **الموضوع**	***Description*** **التفصيل**
Unit 3 – Evolution *Chapter 19 – Taxonomy, Systematics and Phylogeny*	Studying the diversity of organisms in terms of identifying, describing, and naming them, as well as determining their evolutionary relationships.
Unit 4 – Microbial Evolution *Chapter 20 - Viruses, Bacteria, and Archaea*	Studying the diversity of Viruses, Bacteria, and Archaea, in terms of their biology, structures, mode of reproduction, metabolic features, pathogens some that members of these groups are involved in. Determining their similarity and differences. Also, their evolutionary history.
Unit 4 – Microbial Evolution *Chapter 21- Protists Evolution and Diversity*	Studying the diversity of protists in terms of their biology, structures, mode of reproduction, metabolic features, diseases that some members of these groups are involved in. Determining their similarity and differences. Also, their evolutionary history.
Unit 4 – Microbial Evolution *Chapter 22 - Fungi Evolution and Diversity*	Studying the diversity of fungi in terms of their biology, structures, mode of

	reproduction, metabolic features, diseases that some members of these groups are involved in. Determining their similarity and differences. Also, their evolutionary history.
Unit 5 – Plant Evolution and Biology *Chapter 23 - Plant Evolution and Diversity*	Studying the diversity of nonvascular and vascular plants including seedless and seed; in terms of their biology, structures, and mode of reproduction, metabolic features, and their life cycles. Determining the similarity and differences between the various groups. Also, their evolutionary history.
Unit 5 – Plant Evolution and Biology *Chapter 24 - Flowering Plants: Structure and Organization*	Studying the diversity of flowering plant groups in terms of their biology, structures, and mode of reproduction, metabolic features, and their life cycles. Determining the similarity and differences between the various groups. Also, their evolutionary history of.
Unit 6 – Animal Evolution and Diversity *Chapter 28 - Invertebrate Evolution*	Study the diversity of invertebrate organisms in terms of their biology, structures, mode of reproduction, metabolic features, and their life cycles. Determining the similarity and differences between the various groups. Also, their evolutionary history.
Unit 6 – Animal Evolution and Diversity *Chapter 29 - Vertebrate Evolution*	Study the diversity of vertebrate organisms in terms of their biology, structures, and mode of reproduction, metabolic features, and their life cycles. Determining the similarity and differences between the various groups. Also, their evolutionary history.
Unit 8 – Ecology *Chapter 44 - Population Ecology* *Chapter 45 - Community & Ecosystem Ecology* *Chapter 46 - Major Ecosystem of Biosphere* *Chapter 47- Conservation of Biodiversity*	Study of the interactions of organisms with other organisms and with the physical environment, and how environmental factors determine the distribution and abundance of populations. How the ecology is related to evolution due to ecological interactions are natural selection pressures that have long-term effects.

26. Weekly Schedule			**26. الجدول الأسبوعي**	
Week **الأسبوع**	**Date** **التاريخ**	**Topics Covered** **الموضوعات المتناولة**	**CILOs** **مخرجات التعلُم للمقرر (CILOs)**	**Teaching/Assessment Mode and Method** **منهجية ونمط التدريس/التقييم**

1		*Classification of living Organisms* *No Lab*	*1* *1,5*	تقليدي Tranditional
2		*Viruses, Bacteria, and Archaea*	*1, 2, 3* *1,5*	تقليدي Tranditional
3		*Viruses, Bacteria, and Archaea* *Lab1 – Prokaryotes* ***Prepared slides & Specimens.***	*1, 2, 3* *1,5*	تقليدي Tranditional
4		*Protists Evolution and Diversity* *Lab 2 – Protista* ***Prepared slides, Specimens, sheets, & models.***	*1, 2, 3* *1,5*	تقليدي Tranditional
5		*Protists Evolution and Diversity* *Lab 3 – Fungi* ***Prepared slides, Specimens, sheets, & models***	*1, 2, 3* *1,5*	تقليدي Tranditional
6		*Protists Evolution and Diversity* *Lab 4 – Seeded and seedless Plants* ***Prepared slides, Specimens, sheets, & models***	*1, 2, 3* *1,5*	تقليدي Tranditional
7		*Diversity of Fungi* *Lab 5 - Organization & Structure of Plants I* ***Prepared slides, Specimens (preserved & fresh) & models***	*2, 3* *1,5*	تقليدي Tranditional

8		*Lab 6 - Organization & Structure of Plants II: Fruit classifications.* ***Prepared slides, Specimens (preserved & fresh) & models***	*1, 2, 3* *1,5*	تقليدي Tranditional
9		*Plant Evolution and Diversity: Gymnosperm & Angiosperm* *Lab 7 -- Invertebrate I: Porifera & Cnidaria* **Prepared slides, Specimens, Dissecting & models**	*1, 2, 3* *1,5*	تقليدي Tranditional
10		*Introduction to invertebrates* *Lab 8 – Invertebrate II & III: Platyhelminthes, Nematoda &Mollusca* **Prepared slides, Specimens, Dissecting & models**	*1, 2, 3* *1,5*	تقليدي Tranditional
11		*More Invertebrates: Platyhelminthes,* *Lab 9 - Annelida& Arthropoda* **Prepared slides, Specimens, Dissecting & models**	*1, 2, 3* *1,5*	تقليدي Tranditional
12		*More Invertebrates: flukes, & Nematoda* *Lab 10 – Echinodermata & Chordata* **Prepared slides, Specimens, Dissecting & models**	*1, 2, 3, 4* *1,5*	تقليدي Tranditional
13		*More Invertebrates: Annelida & Echinodermata* *Lab 11 – Echinodermata & Chordata*	*1, 2, 3, 4* *1,5*	تقليدي Tranditional

		Prepared slides, Specimens, & models		
14	Click or tap to enter a date.	*Lab 12 – Ecology* *Vertebrates: chordates amphibians, fishes & reptiles* *Mammals*	*1, 2, 3, 4,5*	Tranditional تقليدي

27. Academic Integrity Statement	**27. 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.	يتعيّن على الطلبة الالتزام بأعلى مستويات الصدق والأمانة والأخلاق الأكاديمية في سعيهم لتحقيق أهدافهم الأكاديمية وفقًا 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 وفقًا للسياسات واللوائح المذكورة آنفا.
28. Attendance and Absence Regulations	**28. 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، ووفقا للمادة (33) من نظام الدراسة والامتحانات في جامعة البحرين.