



Academic Course Specification Form

استمارة توصيف المقرر الأكاديمي

القسم الخاص بالطالب Section Concerning the Student

1. Course Code:	BIOLS 330	1. رمز المقرر:
2. Course Title	Parasitology	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:	126	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 232	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:	
Textbook of Medical Parasitology, (2021), Sumeeta Khurana and Abhishek Universities Press. Foundation of Parasitology, 9th Edition (2013), Larry s. Roberts, John Janovy, Jr., McGraw Hill, The Short Textbook of Medical Microbiology (Including Parasitology), 10th Edition, Satish Gupta, JAYPEE BROTHERS MEDICAL PUBLISHERS (P) LTD		
21. References:	21. المراجع:	
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):	
History of Parasitology, parasites and human population, general characteristics of parasites, the biology, epidemiology and control of selected parasites		
24. Course Intended Learning Outcomes (3 to 5 CILOs):	24. مخرجات التعلم للمقرر (CILOs) (3 إلى 5 مخرجات تعليمية):	
1. Acquire advanced knowledge of parasitism, dynamic and contextual nature.		
2. Analyze the taxonomic diversity of parasites, and evolution and their universality.		
3. Apply advanced skills to address advanced and complex principles of protozoan and helminth parasites of humans.		

4. Exhibit creativity in the application of knowledge of case studies on entomology-related infections and parasitology problems.			
5. Apply special skills to deliver formal presentations on specialized topics in parasitology.			
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	15%	
Midterm II	Individual فردى	15%	
Lab Exam	Individual فردى	20%	
Final Exam	Individual فردى	40%	
Lab reports	Group جماعى	5%	
Quiz / Viva	<i>Individual</i>	5%	
Total	100%		
26. Description of Topics Covered		26. وصف الموضوعات التي ينبغي تناولها:	
Topic Title (e.g. chapter/experiment title) الموضوع		Description التفصيل	
Introduction to Parasitology		What is Parasitology, why do we need to study, importance of Parasitology, Some Basic Definitions	
Taxonomy of Parasitology		Classes of Parasitology, The Host as an Environment.	
Taxonomy of Parasitology		A Parasite's Ecological Niche. Parasite Populations.	
Taxonomy of Parasitology		Epidemiology and Transmission Ecology, Immunology and Pathology of Parasitic disease	
Immunology and Pathology of Parasitic disease		Basic principles and concepts, Cell Signaling, Cellular Defenses: Phagocytosis, Adaptive Immune Response of Vertebrates, Basis of Self and Non self-Recognition in Responses	
Protozoa		Form and Function, Nucleus and Cytoplasm, Locomotor Organelles, Reproduction and Life Cycles, Encystment, Feeding and Metabolism, Excretion and Osmoregulation, Endosymbionts, Classification of Protozoan Phyla	
Helminths		Form and Function, Body Form, Tegument, Digestive System, Osmoregulatory System, Nervous System,	

			Reproductive Systems, Development, classifications and life cycle of different helminth species	
Nematodes,			Form and Function, Body Form, Tegument, Digestive System, Osmoregulatory System, Nervous System, Reproductive Systems, Development, classifications and life cycle of different nematodal species	
Cestodes			Form and Function, Body Form, Tegument, Digestive System, Osmoregulatory System, Nervous System, Reproductive Systems, Development, classifications and life cycle of different cestodes species	
Trematodes			Form and Function, Body Form, Tegument, Digestive System, Osmoregulatory System, Nervous System, Reproductive Systems, Development, classifications and life cycle of different trematode species	
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 parasitology NO LAB	1, 2 and 3	Traditional تقليدي
2		Principles of Parasitology LAB: Introduction to Parasitology lab and safety rules	1-4	Traditional تقليدي
3		Taxonomy of Parasitology LAB: Qualitative and quantitative fecal examination of parasites	1-5	Traditional تقليدي
4		Immunology and Pathology of Parasitic disease	1-5	Traditional تقليدي

		LAB: Blood examination and staining		
5		Amebae and Flagellates LAB: Skin scraping technique	1-5	Traditional تقليدي
6		Sporozoa and Gliates LAB: Examination of urine, sputum, muscles and skin for different parasites	1-5	Traditional تقليدي
7		Sporozoa and Gliates LAB: Preservation and mounting of protozoa and helminths	1-5	Traditional تقليدي
8		Helminths LAB: Postmortem	1-5	Traditional تقليدي
9		Nematodes LAB: Techniques in Molecular Parasitology Chemotherapeutic control against parasitic disease	1-5	Traditional تقليدي
10		Cestodes and Trematodes LAB: Project presentation (1)	1-5	Traditional تقليدي
11		Principles of Entomology LAB: Project presentation (2)	1-5	Traditional تقليدي
12		Classification of Entomology	1-5	Traditional تقليدي
13		Life cycle and species	1-5	Traditional تقليدي
14		Deworming	1-5	Traditional تقليدي
15		Diagnosis and Treatment of Parasitic disease	1-5	Traditional تقليدي
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، ودليل حقوق الطلبة واجباتهم، 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.