

نموذج توصيف مقرر
Course Description Form

Name of College\Faculty :

Sciences

اسم الكلية:

Name of Department:

Biological Sciences – Animal Biology Program

اسم القسم العلمي:

Course Name	Economic Zoology حيوان اقتصادي	اسم المقرر
Course No.	0493 - 307	رقم المقرر
No. of Credits	3	عدد الوحدات
Theoretical Hours	2	عدد الساعات النظرية
Practical Hours	3	عدد الساعات المحلية
Course topics		مواضيع المقرر

Theoretical

1. Introduction to Economic Zoology
2. Harmful animals to man and possessions: disease-causing (Parasites)
3. Harmful animals to man and possessions: venomous animals and predators
4. Harmful animals to man and possessions: pests & fouling fauna
5. Harmful animals to man and possessions: Invasive 'alien' species
6. Beneficial animals as biological resources: Lower Invertebrates
7. Beneficial animals as biological resources: Higher Invertebrates
8. Beneficial animals as biological resources: Vertebrates (fish and reptiles)
9. Beneficial animals as biological resources: Vertebrates (Aves)
10. Beneficial animals as biological resources: Vertebrates (mammals)
11. Economic importance of animals in scientific research and medicine
12. Aesthetic importance of animals: ornaments, parks and zoos

Practical

- Lab 1. How to Write an advanced Scientific Report/Essay + Group assignment guidelines
- Lab 2. EndoParasites of Humans: Protozoa & helminthes
- Lab 3. EndoParasites of Animals: Protozoa & helminthes
- Lab 4. Midterm Exam
- Lab 5. EctoParasites of Man and animals: Arthropods
- Lab 6. Cockroaches: the dominant household pest in Kuwait
- Lab 7. Fieldtrip: Assignment data collection
- Lab 8. Land Farming: Livestock principles, economic impacts & profit
- Lab 9. Aquatic Farming : aquaculture types, principles, economic impacts & profit
- Lab 10. PC LAB: Statistical analysis of assignment data & PPT preparation of assignment topic
- Lab 11. PC LAB: PPT presentation of assignment topic
- Lab 12. Final Exam

Text book: (Name, Author , Year , Publisher)	عنوان الكتاب : (الاسم ، المؤلف ، سنة الطبع ، دار النشر)
Economic Zoology by Jaiswal & Jaiswal 2014, Delhi.	
References: (Name , Author , Year . Publisher)	عنوان المرجع : (الاسم ، المؤلف ، سنة الطبع ، دار النشر)

Prerequisites					متطلبات المقرر
0493-205 Animal Diversity (I) 0493-206 Animal diversity (II)					
Grading	Exams	40	%		الاختبارات
	Quizzes		%		امتحانات قصيرة
	H.W.	10	%		واجبات
	Project (field study)	10	%		مشاريع (دراسة ميدانية)
	Final	40	%		الاختبار النهائي
	100 %				آلية رصد المقرر

Course objectives					
No.	Course Objectives (Learning Outcomes)	Example(s) of relevant (Topics and activities)	Recommended Level to satisfy the objectives		
			High	Medium	Low
1	Identify the intrinsic and extrinsic value of diversification of animals.	Definition of diversity, importance of animal diversity to man and environment, status of global animal diversity, relationship between biodiversity and economy.		✓	
2	Categorize animals of economic value and their benefit to humankind.	Animals of consumptive and productive value and their value to man and economy. Vermiculture, Sericulture, Apiculture.	✓		
3	Recognize means of control or eradication of animals that are injurious to man directly or indirectly.	Venomous animals, pests, vectors of parasites and pathogens, endoparasitic worms of man and livestock, ectoparasites of domesticated animals, invasive species, biofouling and their impact on the economy.	✓		
4	Familiarize with the various means of culturing animals for mass production for human use.	Aquaculture and Camel husbandry operation and management.	✓		
5	Demonstrate awareness regarding natural wild life and its economic importance and need for conservation.	Sustainable resourcing: how a balanced ecological relationship between man and environment can ensure continual economic resources.		✓	
Fields					
Skills					
Coordinator (Name and Rank) :		Amani S. Alzaidan (Assistant Prof.)			
Signature and stamp :		د. أماني س. الزيدان Dr. Amani S. Al-Zaidan كلية العلوم - قسم العلوم البيولوجية Dept. of Biological Sciences			
Date:		06 \ 11 \ 2025			