Course Specifications

Course Title:	**Fauna of Saudi Arabia**
Course Code:	**23074468-3**
Program:	**BSc Biology.**
Department:	**Biology**
College:	**Aljumum University College**
Institution:	**Umm Al-Qura university**

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A. Course Identification

1. Credit hours: 3 hours	

2. Course type
a.　　　University ☐　　College ☐　　Department ■　　　Others ☐
b.　　　　　　　Required ■　　　　Elective ☐

3. Level/year at which this course is offered:
Level 7 / 4th year

4. Pre-requisites for this course (if any)**:**
Animal Ecology (23073367-3)

5. Co-requisites for this course (if any)**:**

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**		70 %
2	**Blended**		
3	**E-learning**		10 %
4	**Correspondence**		10 %
5	**Other**		10 %

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	**Lecture**	**28**
2	**Laboratory/Studio**	**26**
3	**Tutorial**	**6**
4	Practical/Field work/Internship	**6**
5	**Others** (specify)	**10**
	Total	**76**
Other Learning Hours*		
1	**Study**	
2	**Assignments**	
3	**Library**	
4	**Projects/Research Essays/Theses**	
5	**Others** (specify)	
	Total	

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

The course describe the topics based on the concept of potency and animal and will be covered the following topics, The course gives the student a clear idea about the wildlife of most wild animals including marine animals and birds in Saudi Arabia, and ability to adapt to different environments in the Kingdom, with special emphasis on the external characteristics of these animals and breeding periods and seasons

2. Course Main Objective

.By the end of the semester the student should be to:

knows the importance of the geographical location of the Kingdom, and its impact on the distribution of the various animal groups.

- Distinguish general characteristics and taxonomy of invertebrate animals, and characteristics of each division of them, with recognition of the characteristics of some genera and species of each division and its habitat.

- Describe the characteristics of vertebrate animals in general and the characteristics of each community, with recognition of how to distinguish species, types and places of living of each of them.

- Understand the characteristics of amphibians and the taxonomic status and recognize the external features and the breeding seasons of the samples.

- Determine the details of the external features and taxonomic status of representative samples of families and genera with the knowledge of reptiles, the general characteristics of reptiles and characteristics of each family and their locations and environments in the Kingdom.

- Classify birds and learn about the different environments and seasons of reproduction , and understand the general characteristics of its own distinctive, with recognition of some races and types.

- Explain the terrestrial and marine mammals and the plane of the taxonomically, and identify animal models represent the ranks and families and the different species, including domestic and wild.

- Compare the characteristics of the animal communities and families.

- Distinguish different types of genera, and describes how to identify each of them

3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	**Knowledge:**	
1.1		
1.2	**Description of the knowledge to be acquired**	
1.3		
1...	Description of the knowledge to be acquired by the end of the course the student should be able to: -explained details of the attributes of State for examples of animals that inhabit different environments in the Kingdom, using Balsouroalainat saved, and the statement of terms and how to multiply, and measuring and drawing of samples in the laboratory, as indicated in decision details of the taxonomic status and characteristics of each family, each race, and compare them, covering the races of castes, vertebrates and fish Valbermaiyat Valzuahv Vtaiorvltdieat	
2	**Skills :**	

CLOs		Aligned PLOs
2.1	**Cognitive Skills:**	
	List the thinking and problem solving skills the course is intended to develop. As a guide it may be useful to begin with the phrase "The ability to…." The list should include both the use of analytic and predictive formulae and conceptual tools when asked to do so, and the ability to identify and use ones that are appropriate for new and unanticipated problems. List the thinking and problem solving skills the course is intended to develop. As a guide it may be useful to begin with the phrase "The ability to…." The list should include both the use of analytic and predictive formulae and conceptual tools when asked to do so, and the ability to identify and use ones that are appropriate for new and unanticipated problems.	
2.2	.	
2.3	**Interpersonal Skills and Responsibility** At the end of the course, the student will be able to: - be involved in self-directed learning. - succeed in team work. - share and discuss results with others. - be involved in a simple research project. - Evaluate answers and positively criticize them. -	
2.4	**Communication, Information Technology and Numerical Skill** The student is able to propose solutions to some problems: -Use information and communication technology. - Use IT and communication technology in gathering and interpreting information and ideas. - Use the internet as a means of communication and a source of information. - Encourage students to use internet for searching certain electronic journals regarding topics of the course. - Scientific writing. - Use his/her observations to solve problems. - Doing research and conduct searches for restoring information. - Able to calculate and discuss the facts and logical propose methods to solve the difficulties. **Psychomotor Skills (if applicable)** -Enhancing the ability of students to use computers and internet to prepare a research article. - Interpret the laboratory data.	
3	**Competence:**	
3.1	- Developing oral presentations.	
3.2	- Communicating personal ideas and thoughts.	
3.3	- Work independently and as part of a team to finish some assignments.	
3...	- Communicate results of work to others	

C. Course Content

No. of Weeks	List of Topics	Contact Hours
1st week	Definition of the geographical location of the Kingdom and how it affects the wildlife.	2
2nd week	General characteristics of the characteristics of the invertebrate animals, classification, and examples of races and types of them.	2
3rd week	The characteristics of vertebrates - Characteristics of a cartilaginous fish and examples of their species and types.	2
4th week	Bony fishes - how to identify them and describe the types of models representing it.	2
5th week	General characteristics of amphibians, and the external characteristics of some specific examples .	2
6th week	**Med term**	2
7th week	General characteristics of reptiles - turtles, crocodiles	2
8th week	Reptiles – Squamata and Chamaeleontidae	2
9th week	Reptiles, Varanidae Lacertidae , Scincidae and snakes or Ophidia	2
10th week	Taxonomy and general characteristics of the birds - models of some types of falconiformes ,passeriformes , coraciiformes ,sinconiiformes,corvidaeformes.	2
11th week	Mammals - general characteristics of mammals, description and taxonomy protoeheria ,theria ,metatheria and eutheria.	2
12th week	General characteristics and taxonomy of insectivore, chiroptera, rodentia, lagomorpha, cetacean , carnivora, prissodactyla,artiodactyla,proboscidia.and primates.	2

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	**Knowledge**		
1.1			
1.2	Description of the knowledge to be acquired by the end of the course the student should be able to:	Teaching strategies to be used to develop that knowledge	1. Course work reports
...	-explained details of the attributes of State for examples of animals that inhabit different environments in the Kingdom, using Balsouroalainat saved, and the statement of terms and how to multiply, and measuring and drawing of samples in the laboratory, as indicated in decision details of the taxonomic status and characteristics of each family, each race, and compare	- Lectures - Take home assignment - Internet activities - Laboratory work.	2. Evaluation of the topics prepared by students according to the content, arrangement, and covering of the topic. 3. Midterm and final exams 4. Checking the

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	them, covering the races of castes, vertebrates and fish Valbermaiyat Valzuahv Vtaiorvltdieat		homework assignments
2.0	**Skills**		
2.1	**Cognitive Skills** List the thinking and problem solving skills the course is intended to develop. As a guide it may be useful to begin with the phrase "The ability to…." The list should include both the use of analytic and predictive formulae and conceptual tools when asked to do so, and the ability to identify and use ones that are appropriate for new and unanticipated problems. List the thinking and problem solving skills the course is intended to develop. As a guide it may be useful to begin with the phrase "The ability to…." The list should include both the use of analytic and predictive formulae and conceptual tools when asked to do so, and the ability to identify and use ones that are appropriate for new and unanticipated problems. -	- Lectures. - Brain storming. - Discussion. - Seminars. - Self assessment. - Examination of selected micrographs and hand drawings	1.Course work reports 2. Evaluation of the topics prepared by students according to the content, arrangement, and covering of the topic. 3. Midterm and final exams 4. Checking the homework assignments
2.2	**Interpersonal Skills & Responsibility** - be involved in self-directed learning. - succeed in team work. - share and discuss results with others. - be involved in a simple research project. - Evaluate answers and positively criticize them.	-Lab work. -Case Study. -Active learning. -Small group discussion -Cooperative learning and application of scientific method in thinking the scientific problem solving. -Work as part of a team.	- Assessment of group assignment. - Evaluate the independent assignments
2.3	**Communication, Information Technology, Numerical** -Use information and communication technology. - Use IT and communication technology in gathering and interpreting information and ideas. - Use the internet as a means of communication and a source of	-Oral presentations. - Internet search assignments and essays. -Incorporating the use and utilization of computer in the course requirements. -Students will be	-Evaluation of student essays and assignments. -Evaluating the laboratory written reports. -Marks given to for good reports and presentations

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	information. - Encourage students to use internet for searching certain electronic journals regarding topics of the course. - Scientific writing. - Use his/her observations to solve problems. - Doing research and conduct searches for restoring information. - Able to calculate and discuss the facts and logical propose methods to solve the difficulties.	asked for delivering a summary regarding certain topics related to the course.	-Evaluating during the discussion in lecture and reports. Part of the grad is put for student's written participation
2.4	**Psychomotor:** (Description of the psychomotor skills to be developed and the level of performance **required:** -Enhancing the ability of students to use computers and internet to prepare a research article. - Interpret the laboratory data**.**	Follow up students the students in lab and during carryout all the laboratory experiments	**-** Evaluating the laboratory written reports. - Evaluating the community participation
3.0	**Competence**		
3.1	Use information and communication technology	Oral presentations. -Internet search assignments and essays. -Incorporating the use and utilization of computer in the course requirements. -Students will be asked for delivering a summary regarding certain topics related to the course.	Evaluation of student essays and assignments. -Evaluating the laboratory written reports. -Marks given to for good reports and presentations -Evaluating during the discussion in lecture and reports. Part of the grad is put for student's written participation
3.2	Use IT and communication technology in gathering and interpreting information and ideas		
…	Use the internet as a means of communication and a source of information.		

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	**Home works, search or presentation**	**4th and 8th weeks**	**10 %**
2	**Midterm "Written Test (1)"**	**8th week**	**30%**
3	**Final Exam "Practical Test"**	**15th week**	**20%**
4	**Final Exam Written Test**		**40%**
5			
6			

#	Assessment task*	Week Due	Percentage of Total Assessment Score
7			
8			

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	- Adnan Mohamed Haji , Introduction to the fauna of Saudi Arabia, Al Safa Press, , 1413 AH. - A series of folders fauna of Saudi Arabia, Meteorology and Environmental Protection, Ministry of Defence and Aviation. - Nabil Zaki Zahid, Khaled Bakr Kamal, and Gerald Groemer, General Zoology , vertebrate and invertebrate ,1426 - Mohammad Hassan Hamoud, ,Vertebrate Biology: the national centre of publication and distribution , Jordan
Essential References Materials	
Electronic Materials	
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) • Class rooms are already provided with data show • Laboratory necessity • Reduce the number of students in class rooms • Find a solution for the air conditioning problem • Necessity of a library
Technology Resources (AV, data show, Smart Board, software, etc.)	data show, Smart Board

Item	Resources
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	- Microscopes - Animal dissection tools - Animal dissection board - Microscope slides and strips - Alcohol, formaldehyde and cotton - Animal and human anatomical samples - Plant anatomical samples and ready slides

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)
Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	

Head of Department

Dr. Wessam M. Filfilan

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