



SYLLABUS

Course Code	Course Num.	Course Name	Credit Hours	Lec.	Lab.	Tut.	Private study	Pre-requisites	Course Level	Teaching Language
BIO	459	Flora & Fauna of Saudi Arabia	3	2	2	0	3-5	BIO 353	8	English

A. Course Description

Introductory to general kinds of animals' species (marine and terrestrial), their distribution within the Saudi Kingdom. The course will address the climate, geomorphology and their effect on animal life. It will expose students to the multi-disciplinary nature of wild animals, endemic and endangered species. Consideration of biological taxonomic systems and consideration of both vegetative features and reproductive features associated with local flora and fauna.

B. Course Outcomes

At the end of this course the student will be able to:

1. Define the concept of biodiversity.
2. Remember the topography and the climate of the Kingdom of properties.
3. Comparing the animal and plant species in the Kingdom in terms of characteristics and their geographical distribution.
4. Describe the evolution of the study of wildlife in the Kingdom.
5. Remember the rare species of plants and animals.
6. Describes flora and fauna structures and their different systems.
7. The multiplicity of threats to flora and fauna Kingdom and how to maintain them.

References:

Required Textbook

- *A.M. Megahid, (1989). Flora of Saudi Arabia, King Saud University, Riyadh.*
- *J.P. Mandaville, (1990). Flora of Eastern of S.A., John Wiley & Sons Ltd. England.*

Other references:

- *Krupp, F. and Mahnert, V. (eds.)1987 -2004 , Fauna of Saudi Arabia , Vols. (9-22), NCWCD, Riyadh , Saudi Arabia.*
- *Buttiker, W. and Krupp, F. (eds.)1979 -1987 , Fauna of Saudi Arabia , Vols. (1-8), NCWCD, Jeddah , Saudi Arabia.*

Course Website: Google Classroom Webpage: <http://www.imamm.org/>

C. Topics Outline

D1. Lectures topics

1. *The concept of biodiversity*



2. *The study of the topography, the climate and site of geographical. Kingdom.*
3. *Plant and animal species in the Kingdom in terms of their characteristics, geographic distribution and density.*
4. *A brief history of the evolution of life studies (Wildlife) in the plant and animal of the kingdom.*
5. *Illustrate the types of rare plants and animals that resident and migratory, exotic and endangered Extinction.*
6. *Flora and fauna structures and their various systems.*
7. *The environmental protectorates*
8. *Threats facing the flora and fauna Kingdom and maintaining flora and fauna Kingdom.*

D2. Laboratories topics

1. *Introduction: includes the identification of curriculum and professor of subject, security and safety precautions.*
2. *Training students to identify plants.*
3. *Flora and fauna of Saudi Arabia and their classifications depending Arabia on reliable references.*
4. *Exit in a number of trips to identify.*
5. *Plants and animals in their natural environmental habitats.*
6. *Training on the methods of collecting the plant and*
7. *animal information, their classification and archiving.*
8. *Collecting samples of those animals and plants.*
9. *General revision.*

D. Office Hours

Office hours give students the opportunity to ask in-depth questions and to explore points of confusion or interest that cannot be fully addressed in class.

E. Exams & Grading System

The semi-official dates of the exams for this course are:

- **Midterm 1:** 6th or 7th week.
- **Midterm 2:** 11th or 12th week.
- **Quizzes & Homeworks:** During the semester.
- **Final lab. Exam :** 14th or 15th week.
- **Final Exam** : 16th week.



Your course grade will be based on your semester work as follows:

Midterm 1: 15 %	Midterm 2: 15 %	Final lab. Exam: 20%	Final Exam: 40 %
Quizzes, Homework, Attendance & Participation: 10 %			

The grading distribution:

A+	A	B+	B	C+	C	D+	D	F
[95, 100]	[90, 95)	[85, 90)	[80, 85)	[75, 80)	[70, 75)	[65, 70)	[60, 65)	[0, 60)

F. Student Attendance/Absence

Only three situations will be considered as possible excused absences:

- Occurrence of a birth or death in the immediate family will be excused. (“Immediate family” is defined by the University as spouse, grandparents, parents, brother, or sister).
- Severe illness in which a student is under the care of a doctor and physically unable to attend class will be excused. Students are not excused for a doctor's appointment. Do not make appointments that conflict with rehearsals. Notes from the University Health Center will be accepted.

[Executive Rules for Study Regulations and Exams](#)

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