Course Title:	**Biodiversity in the Kingdom of Saudi Arabia**
Course Code:	**402 BIO**
Program:	**Biology**
Department:	**Biology**
College:	**Science**
Institution:	**Jazan University**

Table of Contents

A. Course Identification

1. Credit hours:
2. Course type **a.** University [√] College [ ] Department [ ] Others [ ] **b.** Required [√] Elective [ ]
3. Level/year at which this course is offered: Level 8/4th Year
4. Pre-requisites for this course (if any)**: Pass all Level 6 courses** Fundamentals of Ecology 301BIO
5. Co-requisites for this course (if any)**: None**

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	H 13	86.7%
2	**Blended**	H 2	13.3%
3	**E-learning**		
4	**Distance learning**		
5	**Other (Practical work)**		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	**Lecture**	**15**
2	**Laboratory/Studio**	**30**
3	**Tutorial**	**-**
4	**Others** (specify)	-
	Total	**45**

B. Course Objectives and Learning Outcomes

1. Course Description

Course Title	Course No.	Credit Units			Year	Level	Pre-Requisite
		Theoretical	Practical	Total			
Plant Ecology	443BOT 2	**1**	**1**	**2**	**4st**	**8th**	**-**

2. Course Main Objective

Study of the natural vegetation of different habitats of Saudi Arabia.

3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	**Knowledge and Understanding**	
1.1	Display a broad knowledge and understanding of the principals, theories and concepts of Biodiversity. Define all principals, concept, theories and aspects concerning Biodiversity.	K1.1
1.3	Express in depth knowledge and understanding of research methodology and inquiry techniques in the field of Biodiversity.	1.3
2	**Skills :**	
2.1	Apply broad integrated underlying theories principals and concept in various contexts in Biodiversity. Debate the biological theories, principals and processes.	S1.1
2.2	Practice methods of inquiry, investigation and research for complex issues and problems in Biodiversity. Argue different biological approaches in laboratory or field or even theoretically.	S2.2
2.4	Communicate in main forms and use of specialized digital technology and ICT tools to demonstrate an understanding of theoretical knowledge and transfer specialized knowledge, skills and complex ideas to a variety of audiences. Perform an efficient oral presentation, with effective use of visual aids, using allotted time and all IT available resources.	S4.2
3	**Values:**	
3.3	Work collaboratively and constructively and lead diverse teams to perform a wide range of tasks with responsibility and play a major role in joint work planning and evaluation. Develop competencies in critical thinking, delivering scientific information, reporting and data analysis.	V3.2

C. Course Content

No	List of Topics	Contact Hours
1	**Introduction to the biodiversity**	2
2	**Geographical regions of Saudi Arabia and protected areas in KSA**	2
3	**Vegetation and plant communities in Jazan**	1
4	**Communities of coastal line and sabakhas**	1
5	**Fauna of Saudi Arabia.**	4
6	**Biodiversity &Coral Reefs**	1
7	**Communities of Tehama coastal plain**	1
8	**Communities of Tehama hill slopes & mountains**	1
9	**Wades and Cultivated flora of Jazan**	1
	Total	14

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 and Understanding**		
1.1	Demonstrate structures, features, and processes related chordates.	Lectures, Lab work	Quizzes, Short Answer Question (SAQ), MCQs
1.2	Identify the items and their related functions on diagram.	Lectures, Lab work	Quizzes, SAQ, MCQ, Assignments
2.0	**Skills**		
2.1	Explain aspects and processes relevant to Biodiversity	Lectures, Lab work,	Quizzes, SAQ
2.2	Compare different structures and features related to Biodiversity,	Lectures, Lab work, Group Discussion	Quizzes, SAQ, Lab work assessment
2.3	Interpret experimental data and apply in relevant situations,	• Lab work, Field trip	SAQ, Assignments
3.0	**Values**		
3.1	Illustrate ability to work in groups and peer individual responsibility	Group Discussion, Lab work	Lab work assessment
3.2	Demonstrate risk assessment and safety responsibilities in their fields.	Lab work	Lab work assessment

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
Written assignment		3	3
Group assignment		4	2
Theoretical quiz		5	5
Mid-term exam		7	10
Practical Mid-term exam		9	10
Practical assignment		11	5
Final practical exam		13	15
Final Exam		15	50

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 :

Office hours/faculty/week

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	**مسرحي، يحيى سليمان (2011) الدليل المصور للنباتات البرية في منطقة جازان.** **حجي، عدنان محمد (1996) . مقدمة لفونة المملكة العربية السعودية**
Essential References Materials	• **Collette S. (2000) Wild Flora of Saudi Arabia. Saudi Arabian National Authority for Wildlife Protection, Riyadh.** Wilhelm Büttiker, Friedhelm Krupp, Iyad Nader, Wolfgang Schneider. Fauna of Arabia. Vol. (1-25). Basel.
Electronic Materials	http://www.saudiwildlife.com/site/home/index , https://www.iucnredlist.org/
Other Learning Materials	Such as computer-based programs/CD, professional standards or regulations and software. Non

2. Facilities Required

Item	Resources
Accommodation Classrooms, laboratories, demonstration) (.rooms/labs, etc	1 Lecture room(s) for groups of 50 students. 1 Laboratory for group of 25 students.
Technology Resources (.AV, data show, Smart Board, software, etc)	AV, data show, Smart Board
Other Resources Specify, e.g. if specific laboratory equipment is) (required, list requirements or attach a list	Light microscopes, glassware, chemicals, consumables, dissection tools.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching	Students, Faculty	Direct (Questionnaire)
Effectiveness of assessment	Peer Reviewer	Direct (Cross Check marking)
Extent of achievement of course learning outcomes	Program Leader	Indirect (QA Committee)
Quality of learning resources	QA. Committee	Indirect (Benchmarking)

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	Consultant Committee/ Board of Biology Department
Reference No.	
Date	