



## Course Specifications

<b>Course Title:</b>	<b>Flora of Saudi Arabia</b>
<b>Course Code:</b>	<b>2014210-3</b>
<b>Program:</b>	<b>Bachelor in Botany</b>
<b>Department:</b>	<b>Biology Department</b>
<b>College:</b>	<b>College of Sciences</b>
<b>Institution:</b>	<b>Taif University</b>

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## A. Course Identification

<b>1. Credit hours:</b>	3 hr
<b>2. Course type</b>	
a.	University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b>	12 <sup>th</sup> level / 4 <sup>th</sup> year
<b>4. Pre-requisites for this course (if any):</b>	Taxonomy of Flowering Plants 2014108-3
<b>5. Co-requisites for this course (if any):</b>	None

## 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6 hr/Week	100%
2	Blended	-	-
3	E-learning	-	-
4	Distance learning	-	-
5	Other	-	-

## 7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	30
2	Laboratory/Studio	20
3	Tutorial	-
4	Others (specify)	-
	<b>Total</b>	50

## B. Course Objectives and Learning Outcomes

<b>1. Course Description:</b> This course deals with studying Flora of Saudi Arabia, different forms of habitats and its distinctive plants, factors affecting plant distribution and different forms of plant life in KSA.
<b>2. Course Main Objective:</b> This course aims to study the importance of flora to field crops as a major source for genetic materials. Further, recognize the different forms of habitats and its distinctive plants, factors affecting plant distribution and different forms of life forms for plants.

## 3. Course Learning Outcomes

CLOs		Aligned PLOs
1	<b>Knowledge and Understanding:</b>	
1.1	Recognize facts, principles and scientific terminology of plant taxonomy.	K1
1.2	Classify different plant groups common in Saudi Arabia.	K2
2	<b>Skills:</b>	
2.1	Compare among wild plants in Saudi Arabia using a range of knowledge extension.	S2

CLOs		Aligned PLOs
2.2	Utilize basic concepts of plant biodiversity in economic and environmental approaches.	S3
<b>3</b>	<b>Values:</b>	
3.1	Assess presentation performance to discuss advanced scientific topics.	V3

### C. Course Content

No	List of Topics	Contact Hours
1	Introduction, Importance of Flora Plant nomenclature	3L+2P
2	Herbaria construction Plant gardens	3L+2P
3	Phytogeographical regions of the world	3L+2P
4	Cultivated crops, vegetables and fruits in Saudi Arabia	3L+2P
5	Classification of geographical regions of Saudi Arabia	3L+2P
6	Flora of Coastal lands	3L+2P
7	Flora of Aseer mountains	3L+2P
8	Flora of Plateau (Wesern & Nagd)	3L+2P
9	Flora of sandy deserts & North province	3L+2P
10	Life form categories	3L+2P
<b>Total</b>		<b>30L+20P</b>

### D. Teaching and Assessment

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

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge and Understanding:</b>		
1.1	Recognize facts, principles and scientific terminology of plant taxonomy.	Lectures Open discussion	Paper based exam
1.2	Classify different plant groups common in Saudi Arabia.	Lectures Concept maps	Paper based exam
<b>2.0</b>	<b>Skills:</b>		
2.1	Compare among wild plants in Saudi Arabia using a range of knowledge extension.	Open discussion Brain storming	Practical reports Practical exam
2.2	Utilize basic concepts of plant biodiversity in economic and environmental approaches.	Small group activities Cooperative learning	Paper-based exams Practical exam
<b>3.0</b>	<b>Values:</b>		
3.1	Assess presentation performance to discuss advanced scientific topics.	Small group activities Cooperative learning	Activities evaluation



## 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Midterm Exam	5 <sup>th</sup>	20%
2	Semester Activities	Periodic	10%
3	Practical Reports	Weekly	20%
4	Final Practical Exam	11 <sup>th</sup>	10%
5	Final Exam	12 <sup>th</sup>	40%
<b>Total</b>			<b>100%</b>

\*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:**

6 hours per week (as defined in the teaching schedule of the faculty member) for academic advice and consultations.

Teaching staff is also available using Blackboard web site and Taif University “Edugate” System.

## F. Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	- Boulos, L. (1999-2005). Flora of Egypt, Vol. 1, 2, 3, 4. Al-Hadara Publications, Cairo, Egypt.
<b>Essential References Materials</b>	- Collette, I.S. (1999). Wild flowers of Saudi Arabia. pp. 779 National Commission for Wildlife Conservation, Riyadh. - عبد اللطيف حمود النافع (٢٠١٨). مكونات الغطاء النباتي البري في المملكة العربية السعودية، مكتبة المنتبي، المملكة العربية السعودية.
<b>Electronic Materials</b>	Blackboard website Website of Saudi digital Library
<b>Other Learning Materials</b>	Computer-based programs and professional software.

### 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	- Classrooms for 40 students\lecture. - Laboratory for 20 students\ lab activity
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	- Data show
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Laboratory supplies including models of seeds germination and samples of various wild plants. - Herbarium sheet - Herbarium samples

## G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect
Quality of learning resources	Peer Reviewer Students	Direct Indirect
Extent of achieving the course learning outcomes	Peer Reviewer Students	Direct Indirect

**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	Biology Department
Reference No.	Committee number 14 - Academic Year 1442-1443H
Date	22\5\2022G – 21\10\1443H

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