



Course Specifications

Course Title:	Flora of Saudi Arabia
Course Code:	4013291-3
Program:	BSc Biology
Department:	Biology Department
College:	Applied science
Institution:	Umm Al-Qura university

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A. Course Identification

1. Credit hours:
2. Course type
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"/>
3. Level/year at which this course is offered: 3 rd Year / Level 5
4. Pre-requisites for this course (if any): Plant Taxonomy (4012232-3)
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	30
2	Laboratory/Studio	42
3	Tutorial	6
4	Practical/Field work/Internship	6
5	Others (specify)	10
	Total	94
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

This course study Flora of KSA, which is the plant life occurring in a particular region or time, generally the naturally occurring or indigenous, native plant, native life. Plants are grouped into floras based on region (floristic regions), period, special environment, or climate. Regions can be distinct habitats like mountain vs. flatland. This course aims to train students to collect plant specimens and to dry and conserve them according taxonomic keys.

2. Course Main Objective

By the end of this course the students should:

- Illustrate the plant geographical systems.
- Define geographical aspects of the Kingdom of Saudi Arabia as part of the global geo-plant.
- Characterize the life of the various wild plants and their growth under environmental and climatic conditions.

Training students to collect plant specimens, dry and conserve them, using different taxonomic keys.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Identify the different geographical regions of the Kingdom and characterize every form of plant life in the different areas.	
1.2	Distinguish types of environments and plant populations.	
1.3	The ability to dry and preserve plant species in scientific ways.	
2	Skills :	
2.1	Collect information from more than one source.	
2.2	Presentation of information and results through the use of computer.	
2.3	Knows the greatness of God in His creation.	
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.	
3.4	Communicate results of work to others.	

C. Course Content

No	List of Topics	Contact Hours
1	• Definition of flora, vegetation and plant community.	4
2	• Orders of plant communities – floristic elements – endemism.	4
3	• Use the keys to identify some plant families and ways to identify wild plants. • Med-term exam. • Field trip to different areas and habitat to study their flora.	4
4	• Herbaria and their role and importance in the science of flora.	4
5	• Modern division of the plant geographical regions and the modern plant regions of the Saudi Arabia.	4

6	● The plant Life forms.	2
7	● Study the plant geographical regions of the Kingdom in terms of: location, topography, soil type and diversity in the flora - with an explanation of these areas through the PowerPoint and documentaries. ● Field trip to more areas and habitats to study their flora.	4
8	● Revision, discussions of essays and field trips reports.	2
Total		28 hrs

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	Identify the different geographical regions of the Kingdom and characterize every form of plant life in the different areas.	-Scientific lectures, practical lessons, assigning individual and group duties.	-Periodical exam and reports. -Mid- term exam. -Final exam.
1.2	Distinguish types of environments and plant populations.	-The collection and presentation of information through the Internet connection.	
1.3	The ability to dry and preserve plant species in scientific ways.	-Open meetings, served research articles and discussions in lectures.	
2.0	Skills		
2.1	Collect information from more than one source.	-The use of computers and the internet. -Research submitted by students. -Practical lessons. -Presentations made by the students and the use of documentary films and power point presentations.	-Semi- periodic examinations and productive discussions. -Assess the students in practical lessons. -Home business to assess and discuss the students. -Assess the skills of preparing research. -Evaluation of the students in the indirect decision of the syllabus.
2.2	Presentation of information and results through the use of computer.		
2.3	Knows the greatness of God in His creation.		
3.0	Competence		
3.1	Developing oral presentations.	Oral presentations.	Evaluation of student essays and assignments. □ Evaluating the laboratory written reports.
3.2	Communicating personal ideas and thoughts.	□ Internet search assignments and essays.	
3.3	Work independently and as part of a team to finish some assignments.	□ Incorporating the use and utilization of computer in the course requirements.	
3.4	Communicate results of work to others.		

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
		<input type="checkbox"/> Students will be asked for delivering a summary regarding certain topics related to the course.	<input type="checkbox"/> Marks given to for good reports and presentations <input type="checkbox"/> Evaluating during the discussion in lecture and reports. Part of the grad is put for student's written participation

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	20%
3	Final Exam "Practical Test"	15th week	30%
4	Final Exam Written Test		40%
5			
6			
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 :

Office hours 6 hours per week distributed over the week days

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<p>أ.د. أحمد محمد مجاهد ، فلورا المملكة العربية السعودية (١٩٨٧)، عمادة شؤون المكتبات – جامعة الملك سعود د. العودات محمد ، د. الشيخ عبد الله وآخرون ، الجغرافيا النباتية ، عمادة شؤون المكتبات – جامعة الملك سعود ، ١٤٢٠. د. النافع ، الجغرافيا النباتية للمملكة العربية السعودية ، جامعة الإمام محمد بن سعود ، ٢٠٠٤ م.</p>
Essential References Materials	<p>Ahmed Migahid (1996): Flora of Saudi Arabia. Volume 1-3. University Libraries, King Saud University. Sheila collenette (1999): An Illustrated Guide to the flowers of Saudi Arabia. Scorpion Publishing Ltd, Victoria House, Buckhurst Hill, England.</p>
Electronic Materials	<p>https://faculty.sau.edu.sa/b.alhammad/page/581 http://saudiency.net/Loader.aspx?pageid=26&BookID=86&PID=5</p>

Other Learning Materials	
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2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms, laboratories
Technology Resources (AV, data show, Smart Board, software, etc.)	data show, Smart Board
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Strategies for Obtaining Student Feedback on Effectiveness of Teaching	the Instructor or by the Department	<ul style="list-style-type: none"> • Questionnaires • Discuss students • Midterm and final tests. Former review.
Other Strategies for Evaluation of Teaching	the Instructor or by the Department	<ul style="list-style-type: none"> • Peer consultation by departmental specialized committee. Self-evaluation of the program by the departmental plan committee.

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	