



# Course Specifications

<b>Course Title:</b>	<b>Flora of Saudi Arabia</b>
<b>Course Code:</b>	<b>23073356-3</b>
<b>Program:</b>	<b>BSc Biology</b>
<b>Department:</b>	<b>Biology</b>
<b>College:</b>	<b>Aljumum University College</b>
<b>Institution:</b>	<b>Umm Al-Qura University</b>

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## A. Course Identification

<b>1. Credit hours:</b> 3 hours
<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> Level 5/ 3 <sup>rd</sup> year.
<b>4. Pre-requisites for this course (if any):</b> Plant Taxonomy (23072253-3).
<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		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
<b>Contact Hours</b>		
1	Lecture	30
2	Laboratory/Studio	42
3	Tutorial	6
4	Practical/Field work/Internship	6
5	Others (specify)	10
	<b>Total</b>	<b>94</b>
<b>Other Learning Hours*</b>		
1	Study	
2	Assignments	
3	Library	
4	Projects/Research Essays/Theses	
5	Others (specify)	
	<b>Total</b>	

\* 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

- 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
<b>1</b>	<b>Knowledge:</b>	
1.1	1) Identify the different geographical regions of the Kingdom and characterize every form of plant life in the different areas. 2) Distinguish types of environments and plant populations. 3) The ability to dry and preserve plant species in scientific ways.	
<b>2</b>	<b>Skills:</b>	
2.1	1) Collect information from more than one source. 2) Presentation of information and results through the use of computer. 3) Knows the greatness of God in His creation.	
<b>3</b>	<b>Competence:</b>	
3.1	1) Create a spirit of cooperation, understanding, respect and responsibility. 2) Work in groups to improve the skills of relationship with others. 3) Cooperation in solving the problems of the students in the compilation of scientific material.	

## C. Course Content

#	List of Topics	No. of Weeks	Contact Hours
1	Definition of flora, vegetation and plant community.	1	2
2	Orders of plant communities – floristic elements – endemicy.	1	2
3	Use the keys to identify some plant families and ways to identify	1	2

	wild plants.		
4	Herbaria and their role and importance in the science of flora.	1	2
5	Modern division of the plant geographical regions and the modern plant regions of the Saudi Arabia.	1	2
6	The plant Life forms.	1	2
7	<b>Midterm test</b>	1	2
8	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.	6	12

## 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</b>		
1.1	1) Identify the different geographical regions of the Kingdom and characterize every form of plant life in the different areas. 2) Distinguish types of environments and plant populations. 3) The ability to dry and preserve plant species in scientific ways.	1) Scientific lectures, practical lessons, assigning individual and group duties. 2) The collection and presentation of information through the Internet connection. 3) Open meetings, served research articles and discussions in lectures.	1) Periodical exam and reports. 2) Mid- term exam. 3) Final exam.
<b>2.0</b>	<b>Skills</b>		
2.1	1) Collect information from more than one source. 2) Presentation of information and results through the use of computer. 3) Knows the greatness of God in His creation.	1) The use of computers and the internet. 2) Research submitted by students. 3) Practical lessons. 4) Presentations made by the students and the use of documentary films and power point presentations.	1) Semi- periodic examinations and productive discussions. 2) Assess the students in practical lessons. 3) Home business to assess and discuss the students. 4) Assess the skills of preparing research. 5) Evaluation of the students in the indirect decision of the syllabus.
<b>3.0</b>	<b>Competence</b>		
3.1	1) Create a spirit of cooperation, understanding, respect and responsibility.	1) The ongoing discussions in the lecture hall.	1) Estimate the student response to the assigned of doing

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	<p>2) Work in groups to improve the skills of relationship with others.</p> <p>3) Cooperation in solving the problems of the students in the compilation of scientific material.</p>	<p>2) The duties assigned to the students.</p> <p>3) The division of students into groups for making research and discuss topics.</p>	<p>tasks.</p> <p>2) Measuring the extent of student learning through tests and discussions.</p> <p>3) Assess the students association to the decision by dealing with colleagues and the professor.</p>

## 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Periodical exam, Home works, search or presentation	4th and 8th weeks	10 %
2	Midterm "Written Test (1)"	7th week	30%
3	Final Exam "Practical Test"	15th week	20%
4	Final Exam "Written Test (2)"	16th week	40%
5			
6			
7			
8	<b>Total</b>		100 %

\*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: 10 hrs.

## F. Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	<p>أ. د. أحمد محمد مجاهد ، فلورا المملكة العربية السعودية (١٩٨٧)، عمادة شؤون المكتبات – جامعة الملك سعود .</p> <p>د . العودات محمد ، د . الشيخ عبد الله وآخرون ، الجغرافيا النباتية , عمادة شؤون المكتبات – جامعة الملك سعود ، ١٤٢٠</p> <p>د . النافع , الجغرافيا النباتية للمملكة العربية السعودية ، جامعة الإمام محمد بن سعود ، ٢٠٠٤ م</p>
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<b>Essential References Materials</b>	<ul style="list-style-type: none"> <li>• A.M.Migahid (1996): Flora of Saudi Arabia. Volume 1-3. University Libraries, King Saud University</li> <li>• Sheila collenette (1985): An Illustrated Guide to the flowers of Saudi Arabia. Scorpion Publishing Ltd, Victoria House, Buckhurst Hill, England</li> </ul>
<b>Recommended Books and Reference Material (Journals, Reports, etc) (Attach List)</b>	<ul style="list-style-type: none"> <li>• J.P. Mandaville, (1990). Flora of Eastern of S.A., John Wiley &amp; Sons Ltd. England.</li> <li>• Hermistra et al., (1990). Plants of Northern region of Saudi Arabia. Range and Animal development Research Center, AlJouf, Saudi Arabia</li> </ul> <p>العوائد وآخرون ، الجغرافيا النباتية ، ١٩٨٥ ، جامس ب ، فلورا المنطقة الشرقية بالمملكة العربية السعودية ، ١٩٩٠ .</p>
<b>Electronic Materials</b>	<p><a href="https://faculty.sau.edu.sa/b.alhammad/page/581">https://faculty.sau.edu.sa/b.alhammad/page/581</a>  <a href="http://saudiency.net/Loader.aspx?pageid=26&amp;BookID=86&amp;PID=5">http://saudiency.net/Loader.aspx?pageid=26&amp;BookID=86&amp;PID=5</a></p>
<b>Other Learning Materials</b>	Web sites, U Tubes. Scientific videos and films.

## 2. Facilities Required

Item	Resources
<p><b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)</p>	<ul style="list-style-type: none"> <li>• Class rooms are already provided with data show</li> <li>• Laboratory necessity</li> <li>• Reduce the number of students in class rooms</li> <li>• Find a solution for the air conditioning problem.</li> </ul>
<p><b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)</p>	Providing class rooms with computers.
<p><b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)</p>	<ul style="list-style-type: none"> <li>• Simple and compound microscope.</li> <li>• A computer and a data show.</li> <li>• Well identified herbarium samples representing the flora of the Kingdom of Saudi Arabia.</li> </ul>

## G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Strategies for Obtaining Feedback on Effectiveness of Teaching	Students	<ul style="list-style-type: none"> <li>• Questionaries.</li> <li>• Class room discussions.</li> </ul>
Other Strategies for Evaluation of Teaching	by the Instructor or by the Department	<ul style="list-style-type: none"> <li>• By the help of the opinion of colleagues and organizations.</li> <li>• Making panel discussions with students and colleagues who specialize in teaching methods and learning.</li> </ul>

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Processes for Improvement of Teaching	Instructors	<ul style="list-style-type: none"> <li>Organizing the lecture halls and providing them with various educational means.</li> <li>Study the needs of the labor market of college graduates.</li> </ul>
Processes for Verifying Standards of Student Achievement	Instructors/ department	<ul style="list-style-type: none"> <li>Following standard exams as in American and European Societies of exams.</li> <li>Assigning group of faculty members teaching the same course to grade same questions for various students.</li> <li>Faculty from other institutions are invited to review the accuracy of the grading systems in our program.</li> </ul>
arrangements for periodically reviewing course effectiveness	Instructors/ department	<ul style="list-style-type: none"> <li>Consulting professors from the same specialization is a scientific and highly efficient teaching experience.</li> <li>Continuous updating of the course items.</li> </ul>

**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**

**Stamp**

