

BOT 523 Field Systematics تصنيف حقلی		
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COURSE INFORMATION		
Course code: BOT 523	Number of units: 2 (1+1)	
Course Description: The general course objective is to introduce the students to the skills required for fieldwork for floristic studies. The students will learn how to collect the plant's materials from the field, prepare herbarium specimens and herbarium curation, and apply this knowledge to study plant biodiversity, ecology, and environmental biology.		
<ul style="list-style-type: none"> • Encourage the students to study the plants in their natural habitat through fieldwork and collecting and documenting plants. • To encourage the students to self-study of related books.... 		
FIND THIS COURSE		
http://fac.ksu.edu.sa/malwhibi https://lms.ksu.edu.sa/		
Student Learning Outcomes:		
Course Learning Outcomes (CLOs)		Aligned PLOs*
1	Knowledge	
1.1	The student will be able to acquire a broad knowledge of the floristic diversity of Saudi Arabia	K1
1.2	The student will be able to generate research thrust by finding research gaps in the floristic studies of Saudi Arabia	K2
2	Skills	
2.1	The student will be able to learn techniques of plant collection, its preservation, identification, curation, and documentation.	S3
2.3	The student will have ability to interact and communicate the botanical knowledge with individuals in an organization at national and international level.	S4
2.2	The student will be able to effectively communicate research findings and incorporate them into existing knowledge of Botany.	S5
2.4	The student will have ability to articulate research outcomes and effectively present the findings both in written and oral form.	S7

2.5		
3	Competence	
3.2	The student will be able to develop the spirit of teamwork and master leadership skills to build a knowledgeable society.	C1
3.1	The student will have the ability to communicate with an appropriate audience using a range of communication and informational technologies in order to enhance the level of presentation.	C2
3.3	The student will have the ability to take accountability for all professional and scholarly activities and execute learning and development in an ethical manner.	C3

COURSE REQUIREMENTS

1. Weekly meetings
2. Writing scientific research
3. Present a presentation

COURSE distribution

#	List of Topics	No. of Weeks	Contact hours
1.	Taxonomic studies: principles and practices	12/3	2
2.	Introduction on plant biodiversity of Saudi Arabia	19/3	2
3.	Habit and habitats of Saudi Arabia	31/3	2
4.	Taxonomic resources	2/4	2
5.	Field collection and herbarium techniques	9/4	2
6.	Plant identification and curation	30/4	2
7.	Documentation- enumeration of floristic studies	21/5	2

Learning Resources

Required Textbooks	<ul style="list-style-type: none"> ▪ Albert E. Radford (1974) Vascular Plant Systematics. Publisher: HarperCollins
Essential Reference Materials	
Electronic Materials	<ul style="list-style-type: none"> ▪ Collecting and preserving plant specimens, a manual (https://www.qld.gov.au/_data/assets/pdf_file/0032/67469/collecting-manual-edition-2.pdf)

	<ul style="list-style-type: none"> ▪ Flora of Saudi Arabia (http://plantdiversityofsaudi Arabia.info/Biodiversity-Saudi-Arabia/Flora/Flora.htm) ▪ https://www.tropicos.org/home ▪ Online Resources for Taxonomic Research (https://stories.rbge.org.uk/archives/1002) ▪ Eflora (http://www.efloras.org/flora_page.aspx?flora_id=2) ▪ Royal Botanic Gardens, Kew (https://www.kew.org/)
Other Learning Materials	
	<ul style="list-style-type: none"> ▪ Flora of Saudi Arabia ▪ Wildflowers of Saudi Arabia by Collenette, Sheila

Distribution of Grades

Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	First presentation	2-3	21.4%
2	First research presentation	4-5	14.3%
3	Discussion (first monthly exam)	6	7.1%
4	Second presentation	7	7.1%
5	Second research presentation	8	14.2%
7	Third presentation	9	14.3%
8	Third research presentation	10	14.3%
9	Final exam	11	100%