



Course Specifications

Course Title:	Phytogeography
Course Code:	2014211-2
Program:	Bachelor in Botany
Department:	Biology
College:	Science
Institution:	Taif University

Table of Contents

A. Course Identification	3
6. Mode of Instruction (mark all that apply)	3
B. Course Objectives and Learning Outcomes	3
1. Course Description.....	3
2. Course Main Objective.....	3
3. Course Learning Outcomes	3
C. Course Content	4
D. Teaching and Assessment	4
1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods.....	4
2. Assessment Tasks for Students	5
E. Student Academic Counseling and Support	5
F. Learning Resources and Facilities	5
1. Learning Resources	5
2. Facilities Required.....	6
G. Course Quality Evaluation	6
H. Specification Approval Data	7

A. Course Identification

1. Credit hours: 2 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: 8th level / 4th year
4. Pre-requisites for this course (if any): Vegetation 2013211-2
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	3hr/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	-
3	Tutorial	-
4	Others (specify)	-
	Total	30

B. Course Objectives and Learning Outcomes

1. Course Description:

Study the basis of plant distribution (ecological basis- plant responses basis- migration basis).containing principles of floristic, ecological and historical geography. Vegetational Zones in the world and its ecological characteristics . ecological factors, life forms, area forms, Vegetational Zones and floristic elements. .Evaluation of the course materials and its scientific benefits by students .

2. Course Main Objective:

Define of ecology and plant geography. principles of floristic, ecological and historical geography. Vegetational Zones in the world and its ecological characteristics . ecological factors, life forms, area forms, Vegetational Zones and floristic elements.

3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	Knowledge and Understanding:	

CLOs		Aligned PLOs
1.2	Classify different organisms based on their habitats, external features, anatomy and other relevant biological characteristics.	K2
2	Skills:	
2.2	Investigate relatively complex scientific problems, facts and opinions using a range of knowledge extension to recommend classical or innovative solutions with limited guidance.	S2
2.3	Apply concepts and basics of biological sciences in economical, social and environmental contexts.	S3
3	Values:	
3.3	Communicate effectively using the proper presentation forms, scientific language and reasoning appropriate for different issues and audiences.	V3

C. Course Content

No	List of Topics	Contact Hours
1	Introduction	3L
2	Basis of plant distribution (ecological basis- plant responses basis-migration basis).	3L
3	Dispersal – types of dispersal seeds	3L
4	Area (continuous – discontinuous – relic – viscarious)	3L
5	endemism - cosmopolitan and endemic species	3L
6	vegetational zones - floristic elements - chorotypes	3L
7	Classification of the earth to phytogeophysical unites (equatorial zone-tropical zone- cold zone- polar zone)	3L
8	Earth Realms and main plant formations in the world (Forests- Grasses-deserts).	3L
9	Saudi Arabia phytogeophysical locations and floral regions	3L
10	Saudi Arabian geophysical vegetations cover specious distribution	3L
	Local plant communities distribution	3L
Total		30L

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:		
1.3	Classify different organisms based on their habitats, external features, anatomy and other relevant biological characteristics.	Lectures	Midterm exam- Final exam
2.0	Skills:		
2.2	Investigate relatively complex scientific problems, facts and opinions using a range of knowledge extension to recommend classical or innovative solutions with limited guidance.	Brain storming	

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.3	Apply concepts and basics of biological sciences in economical, social and environmental contexts.	Lectures – Open discussion	Midterm exam- Final exam
3.0	Values:		
3.3	Communicate effectively using the proper presentation forms, scientific language and reasoning appropriate for different issues and audiences.	Problem solving	Activities evaluation

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Assignments and activities:	Variable	5
	1- Written Assignment, Practical reports Power-point presentation	Variable	5
2	Mid-term Exam	8 th	20
3	Periodic Exam	12 th	20
4	Final Exam	16 th	50

*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 :

* Student meeting, 6 hours per week for academic advice and consultations.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<p>*Class notebooks & lab. Notebook .</p> <p>* Plant geography (Al – Odat , et al. ,) .</p> <ul style="list-style-type: none"> Al-Nafie, A., 2004. Plant Geography of Saudi Arabia, Riyadh (In Arabic).
Essential References Materials	<p>Al-Nafie, A., 2004. Plant Geography of Saudi Arabia, Riyadh (In Arabic).</p> <p>Geobotanical & Foundation of the Middle East .(Fisher et al.,) .</p> <p>Al-Nafie, A., 2008. Phytogeography of Saudi Arabia. Saudi J. Biol. Sci., 15: 159-176.</p>
Electronic Materials	Blackboard website
Other Learning Materials	<p>A. * Website on internet related to the topics of the course .</p> <p>B. Computer-based programs and professional software.</p> <p>C. Journal of Plant Hormone Science</p> <p>Data show, Power point.</p>

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	1- Classrooms for 40 students\lecture.
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show
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
1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching - Written evaluation comments. - Small group discussion	Students	Direct
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department - Colleagues open discussion - Asking one of my colleagues to attend my lectures to get a feedback on the teaching strategies and tactics	Staff members	Direct
3. Processes for Improvement of Teaching Enhancing personalized learning. - Provide activities of sufficient variety and depth to allow different levels of learning to take place. - Differentiate by using various starting points and tasks for different ability levels. - Carefully plan realistic deadlines so that all students have a sense of achievement. - Continuously assess teaching groups and give feedback about their learning and their successes	Staff members	Direct
4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution) - Randomly selected exam papers will be graded by one of my colleagues.	Staff members	Direct
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. - Consult colleagues who have taught the same or similar courses to learn from their strategies and their general impressions of the students who typically take	Staff members	Direct

Evaluation Areas/Issues	Evaluators	Evaluation Methods
the course. - To modify the goals for the course.		

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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