



Course Specifications

Course Title:	Biodiversity
Course Code:	2012202-2
Program:	Bachelor in Microbiology
Department:	Biology Department
College:	College of Sciences
Institution:	Taif University

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A. Course Identification

1. Credit hours: 2 hr
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: 6 th level / 2 nd year
4. Pre-requisites for this course (if any): General Ecology / 2012101-3
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	3 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	--
3	Tutorial	--
4	Others (specify)	--
	Total	30

B. Course Objectives and Learning Outcomes

1. Course Description: The course discusses characteristics of living organisms in relation to their habitats, the main components of ecosystem, biodiversity of living organisms and characteristics of different habitats and different biodiversity components.
2. Course Main Objective: By the end of this course, the student acquire an appropriate background about the characteristics of living organisms in relation to their habitats, the main components of ecosystem, the biodiversity of living organisms in different habitats and characteristics of different habitats and different biodiversity components.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge and Understanding:	
1.1	Recognize characteristics of living organisms in relation to their habitats.	K1
1.2	Classify different living organisms based on their habitats and external	K2

CLOs		Aligned PLOs
	features.	
2	Skills:	
2.1	Utilize basic concepts of biodiversity in economic and environmental approaches.	S3
3	Values:	
3.1	Formulate constructive solutions to issues of community development.	V2

C. Course Content

No	List of Topics	Contact Hours
1	Unit 1: Concept of Biodiversity	3L
2	Unit 2: Components of Biodiversity Role of Arabic and Islamic civilizations in the field of Biodiversity	3L
3	Unit 3: Bases of the classification and nomenclature of living organisms Classification of Monera, Protista and Fungi	3L
4	Unit 4: Classification of Plant Kingdom	3L
5	Unit 5: Classification of Animal Kingdom	3L
6	Unit 6: The importance of maintaining biodiversity The causes of extinction and loss of biodiversity in ancient geological ages The fossil record, How fossils are formed	3L
7	Unit 7: The causes of extinction and the loss of biodiversity in the modern era Global actions to maintain biodiversity	3L
8	Unit 8: Theories of evolution Patterns and models of biodiversity	3L
9	Unit 9: Strategies and vital relationships in the world of the living organisms	3L
10	Unit 10: Biodiversity and Zonobiomes	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:		
1.1	Recognize characteristics of living organisms in relation to their habitats.	Lectures Open discussion	Paper-based exams
1.2	Classify different living organisms based on their habitats and external features.	Lectures Concept maps	Paper-based exams
2.0	Skills:		
2.1	Utilize basic concepts of biodiversity in economic and environmental approaches.	Brain storming Small group activities	Assignments
3.0	Values:		
3.1	Formulate constructive solutions to	Brain storming Small	Assignments

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	issues of community development	group activities	

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Activities	Continuous	10
2	Midterm Written Exam	5 th	20
3	Periodic Written Exam	7 th	20
4	Final Written Exam	12 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:

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

Required Textbooks	- Cheryl Jakab (2007). Biodiversity, Macmillan Library, Macmillan Education Australia. ISBN 9781420205428.
Essential References Materials	- Cecie Starr, Ralph Taggart, Christine Evers (2012). Biology: The Unity and Diversity of Life, 13 th Edition, Brooks-Cole, Cengage Learning.
Electronic Materials	Blackboard website Website of Saudi digital Library
Other Learning Materials	Computer-based programs and professional software

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	- Classroom (capacity not more than 40 students).
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
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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