



Course Specifications

Course Title:	English for Science
Course Code:	103ENG-3
Program:	Biology
Department:	Biology
College:	College of Arts and Sciences
Institution:	Najran University

Table of Contents

A. Course Identification	3
6. Mode of Instruction (mark all that apply)	3
B. Course Objectives and Learning Outcomes	4
1. Course Description	4
2. Course Main Objective	4
3. Course Learning Outcomes	4
C. Course Content	4
D. Teaching and Assessment	5
1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods.....	5
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	6

A. Course Identification

1. Credit hours: 2
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: II/ 1 st year
4. Pre-requisites for this course (if any): non
5. Co-requisites for this course (if any): non

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	Blended	-	
3	E-learning		
4	Correspondence		
5	Other	-	

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	45
2	Laboratory/Studio	-
3	Tutorial	-
4	Others (specify) E-learning	-
	Total	45
Other Learning Hours*		
1	Study	22
2	Assignments	3
3	Library	5
4	Projects/Research Essays/Theses	5
5	Others (specify): Office hours	10
	Total	45

* 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

<p>1. Course Description This course aimed to provide students with the required linguistic basis and basic terms in English in the field of biological sciences and enable them to understand the scientific meanings of these terms.</p>
<p>2. Course Main Objective</p> <ul style="list-style-type: none"> - To Know important terms used in Biology - Describe the terms of Ecology - Identify the terms of microbiology. - Understand the scientific meanings of biological terms. - Explain major terms in biological sciences

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Know important terms used in animal science and its branches,	
1.2	Identify the terms of botany and its branches	
1.3	Identify the terms of microbiology.	
2	Skills :	
2.1	Describe the subjects of specialization published in English.	
2.2	Explain the scientific meanings of these terms.	
2.3	Explain terms in biological sciences	
3	Competence:	
3.1	Use effectively scientific terms related to biology	
3.2	Communicate information with others	
3.3	Work effectively in a team work or independently	

C. Course Content

No	List of Topics	Contact Hours
1	Exploring life terminology	3
2	Chemical components of living cell terminology	3
3	Cell structure and function terminology	6
4	Histology terminology	6
5	Physiology terminology	6
6	Terminology related to Control of temperature and water balance	3
7	Terminology related to gases exchange	3
8	Reproduction terminology	3
9	Taxonomy terms	3
10	Ecology terminology	6
11	Movements and direction terminology	3
Total		45

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	Know important terms used in animal science and its branches,	Lectures	Final and semester exams
1.2	Describe the terms of botany and its branches	Lectures	Final and semester exams
3.3	Identify the terms of microbiology.	Lectures	Final and semester exams
2.0	Skills :		
2.1	Understand the subjects of specialization published in English.	Student negotiations	Class room activity
2.2	Understand the scientific meanings of these terms.	Student negotiations	Class room activity
3.3	Explain terms in biological sciences	Student negotiations	Class room activity
3.0	Competence:		
3.1	Work independently and as a team work	Student negotiations	Class room activity
3.2	Manage resources, time and other members of the group	Student negotiations	Class room activity
3.3	Communicate results of work with others	Student negotiations	Class room activity

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Theoretical First Exam	7	20%
2	Theoretical Second Exam	12	20%
3	Assays , oral presentations	continuous	10%
4	Theoretical Final Exam	15	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 :

- 10 hours per week as office hours
- Academic advisor 10 hours per week

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Samantha Fowler, Rebecca Roush, James Wise: Concepts of Biology , OpenStax Publishing, 2013. Elizabeth Martin and Robert Hine: A Dictionary of Biology (6 ed.), Oxford University Press, 2008
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Essential References Materials	<u>Inc. Bar Charts: Biology Terminology (Quick Study Academic) Lam Rfc Cr Edition, amazon publishing company, 2013</u>
Electronic Materials	Websites
Other Learning Materials	Films related to the course

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) 40 seats/ class room/ 20 seats/lab Computer access with data show and internet
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show, Overhead projector
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Models Microscopes

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Course evaluation	Student	direct
Student-faculty meeting	Faculty, Program Leaders	indirect
Departmental council discussions	Staff members	indirect
Discussion with the group of faculty teaching the same course	Peer Reviewer	indirect
Periodical departmental revisions of each method of teaching	Peer Reviewer	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	
Reference No.	
Date	