



Course Specifications

Course Title:	General Biology
Course Code:	Bio 101-4
Program:	B.Sc.
Department:	Biology
College:	Science
Institution:	Jazan University

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A. Course Identification

1. Credit hours:	Work Load: 221.5	ECTS: 7.4
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: Year 1/Level 1		
4. Pre-requisites for this course (if any): None		
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	4	100
2	Blended		
3	E-learning		
4	Distance learning		
5	Other		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	42
2	Laboratory/Studio	28
3	Tutorial	---
4	Others (specify) Study/assignment/library/projects/exam preparation//office hours	50
	Total	120

B. Course Objectives and Learning Outcomes

1. Course Description							
Course Title	Course No.	Credit Units			Year	Level	Pre-Requisite
		Theoretical	Practical	Total			
GENERAL BIOLOGY	101 bio	3	1	4	1 rd	1 th	0
1) Course Objectives: The course aims at introducing students to Biology, its different branches, its terminology both in Arabic and English, diversity among living organisms, and applications of biological sciences in our life.							
2) Course Contents:							

Introduction to Biology – Branches of Biology – Cell Chemical Structure – The Cell (Structure, Organelles, Division) – Plant and Animal Tissues – Taxonomy of Living Organisms – Kingdoms of Living Organisms – Nutrition and Gas Exchange in Plants and Animals – Excretion – Reproduction – Fertilization – Embryology – Heredity in Living Organisms.

3) Practical:

The Microscope – Chemistry of Living Organisms – The Cell – Cell Division – Animal Tissues –

Plant Tissues – Taxonomy of Living Organisms – Nutrition – Metabolism – Excretion – Reproduction – Growth.

4) Assessment:

Exams: Essay/Objective, oral, class work, research work, translations

Practical: Identifying samples and slides, drawings.

Quiz 20%

Practical 30%

Final 50%

5) Teaching Methods:

Lectures, field trips, photographs, slides, multimedia, web-based learning. Samples, light microscopes, glassware, chemicals.

6) Text Books:

Campbell, N. A. (2007) Biology. Benjamin Cummings Publishing Company, USA.

7) References:

Solomon *et al.*, (2002) Biology. John Wiley & Sons, New York.

مقدمة علم الحياة (الجزء الأول – التركيب والوظيفة) تأليف أ.د. نبيه عبد الرحمن باعشن ود. زراق بن عيسى الفيقي
الناشر: المؤلف جده: ص.ب 30408 ، المملكة العربية السعودية.

مقدمة علم الحياة الجزء العملي الجزء الأول تأليف أ.د. نبيه عبد الرحمن باعشن ود. زراق بن عيسى الفيقي .
الناشر: المؤلف جده: ص.ب 30408 ، المملكة العربية السعودية.

2. Course Main Objective

The course aims at introducing students to Biology, its different branches, its terminology both in Arabic and English, diversity among living organisms, and applications of biological sciences in our life.

3. Course Learning Outcomes

CLOs		Aligned-PLOs
1	Knowledge:	
1.1	Recall information relevant to the life sciences.	K1.1
1.2	Compare the different structures and features related to the biology	K2.1
1.3	Define labelled diagrams and explain the labeled items and their related functions.	K2.3
1.4	Identify structures, features, and processes related to biology.	K3.2
2	Skills :	
2.1	Examine theoretically and practically the slides and diagrams related to the biology course.	S1.3

C. Course Content

No	List of Topics	Contact Hours
1	Introduction	1.5
2	Chemical structure of living organisms	1.5
3	Cell Structure and Function	4.5
4	Cell Division	4.5
5	Tissues	4.5
6	Systematics	4.5
7	Nutrition	4.5
8	Metabolism	4.5
9	Osmoregulation and Excretion	4.5
10	Reproduction	4.5
11	Fertilization and Development	4.5
12	Genetics	4.5
Total		42

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	Recall information relevant to the life sciences.	Lectures	Quizzes, Short Answer Question, MCQs
1.2	Compare the different structures and features related to the biology	Lectures	Quizzes, assignments
1.3	Define labelled diagrams and explain the labeled items and their related functions..	Lectures, lab Work	Quizzes, Short Answer Question, MCQs
1.4	Identify structures, features, and processes related to biology	Lectures-Group Discussion	Assignments
2.0	Skills		
2.1	Examine theoretically and practically the slides and diagrams related to the biology course.	Lectures-Group, lab-work	Quizzes, Short Answer Question, MCQs

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Written Assignment	3	3
2	Group Assignment	4	2
3	Theoretical quiz	5	10
4	Midterm exam	7	10
5	Practical Midterm exam	9	10
6	Final Practical Assignment	13	15
8	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 :

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :
10 Office hours/faculty/week.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<p>I. Introduction of biology Introduction of biology (organization, reproduction and genetics) Nabih A Baeshen; Zarrg I, Al fifi and Mohammed N. Baeshen fifth edition(2011). Jeddah 21589 box 80056 K.S.A</p> <p>II. Introduction practical biology Introduction practical biology of biology (organization, reproduction and genetics) Nabih A Baeshen; Zarrg I, Al fifi and Mohammed N. Baeshen first edition (2012) Jeddah 21589 box 80056 K.S.A</p>
Essential References Materials	<ul style="list-style-type: none"> - Biology, Campbell, N. A., 8th edition, The Benjamin / Cummings Publishing Company, USA. (2007). - Biology, Solomon <i>et al.</i>, John Wiley and Sons Inc., New York.USA. (2002). <p>http://allbiologz.com/</p>
Electronic Materials	<ul style="list-style-type: none"> - I. https://www.ck12.org/biology/ II. Other Web sites of Biology and of Wikipedia
Other Learning Materials	Other learning material such as computer-based programs/CD, professional standards or regulations and software.--

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	1 Lecture room(s) for groups of 30 students. 1 Laboratory for group of 25 students.
Technology Resources (AV, data show, Smart Board, software, etc.)	AV, data show, Smart Board
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Light microscopes, glassware, chemicals, consumables, dissection tools -Blood grouping kits Tissue slides Animal organs Models Preserved dissected rabbits and Frog (Toads)

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching	Students, Faculty	Direct (Questionnaire)
Effectiveness of assessment	Peer Reviewer	Direct (Cross Check marking)
Extent of achievement of course learning outcomes	Program Leader	Indirect (QA Committee)

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	Consultant Committee/ Board of Biology Department
Reference No.	5/6/2017
Date	28-9-2020