Course Specification
(Bachelor)

Course Title:	General Biology
Course Code:	BIO-1101
Program:	Bachelor of Science in Biology.
Department:	Biology
College:	Science
Institution:	Imam Mohammad Ibn Saud Islamic University (IMSIU)
Version:	*Course Specification Version Number*
Last Revision Date:	*Pick Revision Date.*

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: 5 (4.2.0)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (1)					
4. Course general Description:					
The course will cover the principles of eukaryotic/prokaryotic cell structure and function. This course will provide a conceptual and experimental background in biology sufficient to enable students to take courses that are more advanced in related fields.					
5. Pre-requirements for this course (if any)**:**					
Not Applicable					
6. Co-requisites for this course (if any)**:**					
Not Applicable					
7. Course Main Objective(s):					
This course aims to prepares the student for understanding the principles and concepts of the living cells, differentiate between animal and plant cells, cell contents and its structure and function, the different types of animal and plants tissues (structure and function), the biological activities of living cells.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	44
2.	**Laboratory/Studio**	16
3.	**Field**	0
4.	**Tutorial**	0
5.	**Others (specify)**	
Total		60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	To list basic concepts and principles of general biology.		Four credits hours weekly lectures, lab and field	-Quizzes -Presentations -Assignments -written exams
1.2	understanding and appreciation of the vast diversity of living things, their special adaptations to their environment, and their evolutionary and ecological relationships		Four credits hours weekly lectures, lab and field	Quizzes -Presentations -Assignments -written exams
2.0	Skills			
2.1	To present ideas as well as facts by requiring students to read material on ethical probes that have no easy answers		Four credits hours weekly lectures, lab and field Tutorials	-Presentations -Assignments -written exams
2.2	To formulate and test hypotheses based on discovery-		- Four credits hours weekly	-Presentations -Assignments

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	based activities by the mean of laboratories that emphasize observation and hands-on		lectures, lab and field -Tutorials	-written exams
2.3	To analyze the results obtained from examination and investigations.		- Four credits hours weekly lectures, lab and field -Tutorials	-Presentations -Assignments -written exams
3.0	Values, autonomy, and responsibility			
3.1	To show ability to communicate effectively with class mates and teaching staff. To appraise team work and management of resources and time		Group discussions	-Presentations -Reports
3.2	To operate laboratory instruments and computers		Group discussions	-Presentations -Reports
3.2	To perform biological experiments and handle various slides during laboratory classes		Group discussions	Presentations -Reports

C. Course Content

No	List of Topics	Contact Hours
1.	Syllabus Themes of Biology	4
2.	Atoms and Molecules	4
3.	Macromolecules and Lipids	4
4.	Cell Structure and Function Part 1	4
5.	Cell Structure and Function Part 2	4
6.	Mitosis	4
7.	Meiosis	4
8.	Mendelian Genetics	4
9.	Gene Expression	4
10.	Plant Growth	4
11	Intro to Animal Body	4
Total		44

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm 1	Around 4th - 5th week	15%
2.	Midterm 2	Around 7th - 8th week	15%
3.	Quizzes, Participation, and Attendance	During the semester	10%
4.	Lab reports	During the semester	5%
5.	Lab Exam	Around 9th week	15%
6.	Final Exam	Around 13th week	40%
Total			**100%**

* Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Campbell Biology (Campbell Biology Series) 11th Edition
Supportive References	
Electronic Materials	
Other Learning Materials	Power Point material during leture

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom and laboratories
Technology equipment (Projector, smart board, software)	Projector, smart board
Other equipment (Depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Direct
Effectiveness of students assessment	Faculty	Direct
Quality of learning resources	Faculty	Indirect
The extent to which CLOs have been achieved	Faculty	Direct
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**Head of Biology Department**
REFERENCE NO.	
DATE	