جامعة المجمعة
Majmaah University

رؤية VISION 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

COURSE SPECIFICATIONS
(CS)

Ramadan 1438 H , June 2017

Institution:	Majmaah University.....
Academic Department :	PYP...
Programme :	Medicin and
Course title and code:	Introduction of Biology/PBIO126
Specification Approved Date :	**22/12/1439** H

This form compatible with Education Evaluation Commission (EEC) & NCAAA

Course Specifications

Institution: Majmaah University	**Date: 22/12/1439 H**
College/Department : Basic Science/PYP	

A. Course Identification and General Information

1. Course title and code: Introduction of Biology/PBIO126

2. Credit hours: 3 hours

3. Program(s) in which the course is offered. General Biology
(If general elective available in many programs indicate this rather than list programs)
Medicine and health science

4. Name of faculty member responsible for the course: Dr. Mohammad Hazaimeh

5. Level/year at which this course is offered: PYP 1439/1440 H

6. Pre-requisites for this course (if any): N/A

7. Co-requisites for this course (if any):N/A

8. Location if not on main campus: Majmaah and Zulfi campus

9. Mode of Instruction (mark all that apply):

a. traditional classroom	√	What percentage?	80%
b. blended (traditional and online)	NA	What percentage?	NA
c. e-learning	N/A	What percentage?	20%
d. correspondence	NA	What percentage?	NA
f. other	√	What percentage?	20%

Comments:
The course team will use mainly the traditional classroom beside the laboratory in, home works, assignments, etc….

B Objectives

1. What is the main purpose for this course?
   - To provide a formation in basic biological principles.
   - Develop an understanding of the interrelationships among living organisms.
   - Explain how a cell can make a variety of large molecules from a small set of molecules.
   - Define the maceomolecules and explain their function.
   - Describe the structure and function of the cell, and compare between plants and animal cells.
   - Explain how the molecules transport through the cell membrane.
   - Describe how the cell can produce energy and the difference between photosynthesis and cellular respiration.
   - Compare the structure of DNA and RNA.
   - Define a tissue; describe the four main types of animal's tissue and their structure and function.
   - Describe the four stages of food processing.
   - Describe the main components of the human alimentary canal and the associated digestive glands.
   - Describe the general structure and function of circulatory system
   - Explain the main difference between asexual and sexual reproduction.
   - Describe the structure and function of humane reproductive systems.

2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field)

Updating the course materials on an ongoing basis based on the latest developments in the field of specialization.

   - Increase using of e-learning tools.
   - Increase the laboratory tools to increase the experiments, which help in implement the book contents.
   - The scientific English subject must be pre-request material for general biology, which help in understanding the biology concept.

C. Course Description (Note: General description in the form used in Bulletin or handbook)

Course Description:

Course Description: this course is providing students with some of the specific language and skills that they are likely to need studying biology in English. The course will also focus on English language appropriateness in different contexts, with an emphasis on formal, academic contexts. Therefore, the course aims to develop the communication skills and specialist English language knowledge of science students and professionals, enabling them to communicate more confidently and effectively in their work or study environment.

1. Topics to be Covered		
List of Topics	**No. of Weeks**	**Contact hours**
Exploring Life	1	2

The Molecules of Cell	2	4
Tour of the Cell	2	4
Membrane Structure and Function	1	2
Photosynthesis	1	**2**
How cells harvest energy	**1**	**2**
Molecular Biology of the Gene	**1**	2
animal structure and function	**2**	4
Nutrition and digestion	**1**	2
Gas Exchange and Circulatory System	**1**	2
Reproduction and Embryonic Development	**2**	4

2. Course components (total contact hours and credits per semester):

		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	**Planed**	**30**	**-**	**-**	**-**	**-**	**60**
	Actual	**30**	**-**	**-**	**-**	**-**	**60**
Credit	**Planed**	**30**	**-**	**-**	**-**	**-**	**45**
	Actual	**30**	**-**	**-**	**-**	**-**	**45**

3. Additional private study/learning hours expected for students per week.

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

On the table below are the five NQF Learning Domains, numbered in the left column.

First, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table). **Second**, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes. **Third**, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. (Courses are not required to include learning outcomes from each domain.)

Code	NQF Learning Domains	Course Teaching	Course

#	And Course Learning Outcomes	Strategies	Assessment Methods
1.0	**Knowledge**		
1.1	.To describe and explain biological concepts	Theoretical tests, Assignments Homework.	Continuous feedback, oral, Quizzes, and written exams
1.2	To explain biological phenomena.	Group discussion, Theoretical tests, Assignments Homework..	Continuous feedback, oral, Quizzes, and written exams
1.3	To use the proper method for thinking and solving simple and complicated problems	Group discussion, lecture, Theoretical tests, Assignments Homework..	Continuous feedback, Quizzes, and written exams
2.0	**Cognitive Skills**		
2.1	Laboratory	Group discussion, lecture, team work learning, and assignments, Theoretical tests, Assignments Homework.	Quizzes, participation, written exams.
3.0	**Interpersonal Skills & Responsibility**		
3.1	Develop certain team work activities.	Assignments and team work activities	Observing students, assignment.
4.0	**Communication, Information Technology, Numerical**		
4.1	Use internet for searching certain electronic journals regarding topics of the course.	Research activities, assignments.	Assignments, participation.
5.0	**Psychomotor**		
5.1			
5.2			

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task (i.e., essay, test, quizzes, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	**Assignments**	**Week 2**	**5%**
2	**Quiz**	Week4	**5%**

3	**Mid-term Exam 1**	Week6	**20%**
4	**Mid-term Exam 2**	Week12	**20%**
5	**Laboratory**	Week13	**10%**
6	**Final Exam**	**Week 16**	**40%**

D. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

- Students' can meet the teaching staff for consultation and academic advice within the appointed office hours by staff members.
- ▪Each staff member has 10 office hours per week.

E Learning Resources

1. List Required Textbooks

Introduction to biology, first edition, Medhat M. Elbadry, Wael S. El-Sayed, Abdellah H. Akhkha, Taher Y. Boutraa, MohammadK. Abhari and Rafat M.Afif

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2. List Essential References Materials (Journals, Reports, etc.)

3. List Electronic Materials, Web Sites, Facebook, Twitter, etc.

4. Other learning material such as computer-based programs/CD, professional standards or regulations and software.

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access, etc.)

1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) Lecture room is available
2. Technology resources (AV, data show, Smart Board, software, etc.) The classrooms is provided with smart board and e-podium
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)

G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching ▪The students' feedback can be obtained through the course evaluation survey via Edu-Gate. ▪Academic advisor.
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department ▪Reviewing the results of formative and summative exams. ▪Reviewing the students' feedback. (Course evaluation survey). ▪Reviewing the course report.
3. Processes for Improvement of Teaching ▪Discussing the course report in the department council. ▪Discussing the reports of internal audit committee or quality committee in Department council. ▪Activate the improvement plan of the course. ▪Activate the recommendation of department council in the next semester.
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) ▪Reviewing the exam papers by another faculty from the department to verify the students' grades.
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. ▪ Discussing the course report, particularly the achievement of course learning outcomes, in the department council to reveal the involvement of this course in the achievement of program outcomes. ▪ Activate the internal audit committee or quality and accreditation committee to review the course portfolio at the end of each semester.

Name of Course Instructor: Mohammad Khalaf Al-Hazaima

Signature: ……. Date Specification Completed: 22/12/1439

Program Coordinator: …….

Signature: …….. Date Received: ……..