جامعة المجمعة
Majmaah University

Program Specifications (PS)

Institution:	**Majmaah University**
Academic Department :	**Zulfi, College of Sciences / Department of Biology**
Programme :	**Biology**
Specification Approved Date :	**01/10/2017**

Muharram 1437 H

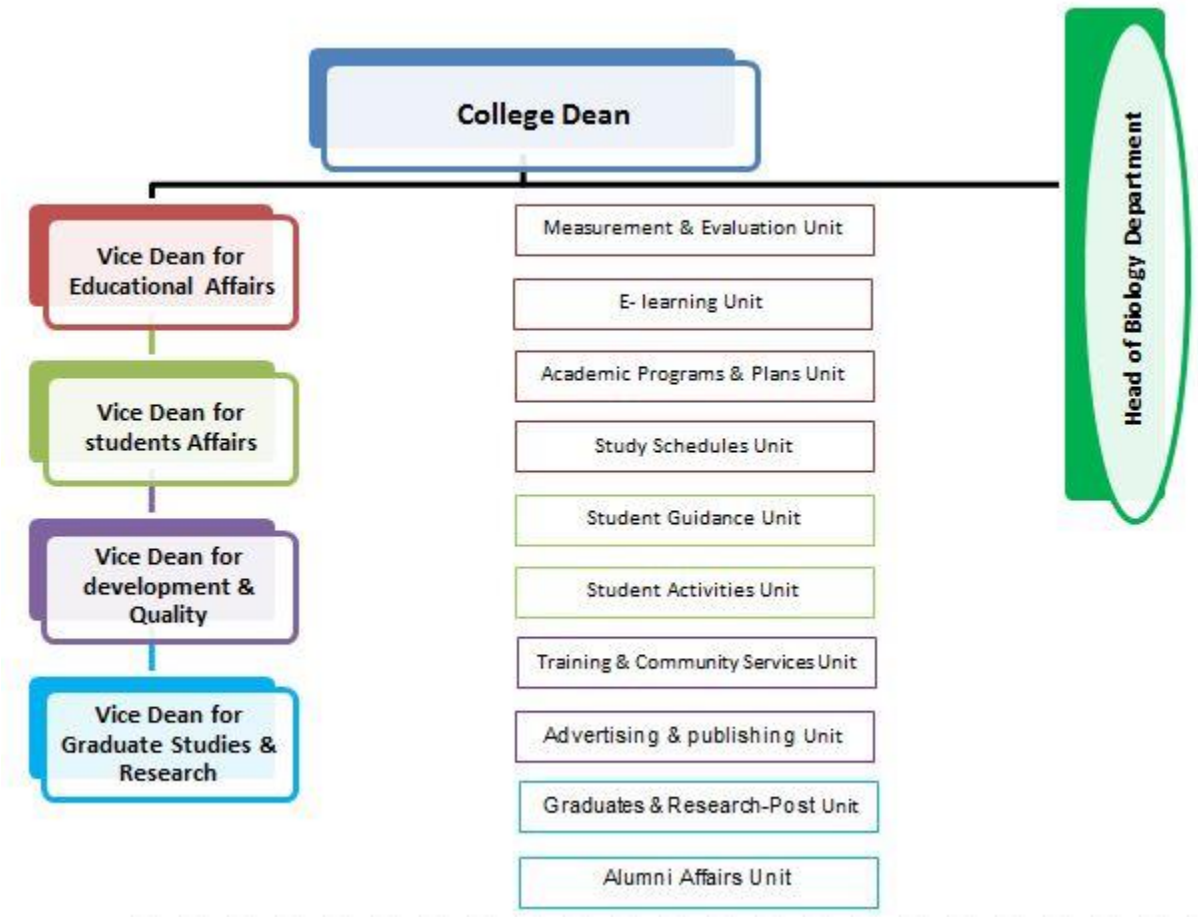
Program Specifications

1. **Institution:** Majmaah University **Date:** 01/10/2017

2. **College / Department :** Zulfi, College of Sciences / Department of Biology

3. **Dean / Department Head** Dr. Hani bin Ali Al-qeheiz

4. **Insert program administrative flowchart :**



5. **List all branches/locations offering this program**

Branch/Location 1.

Biology Program – College of Science at Al-Zulfi (male & female)

Branch/Location 2.

.....

A. Program Identification General Information

1. Program title : **Bachelor of Science in Biology** **Code:** **BIOL.**

2. Total credit hours needed for completion of the program : **136 hours, 8 semesters (4 years).**

3. Award granted on completion of the program : **Bachelor of Science in Biology**

4. Major tracks/pathways or specializations within the program : **None**

5. Intermediate Exit Points and Awards (*if any*) : Not applicable

6. Professional occupations (*licensed occupations, if any) for which graduates are prepared. (If there is an early exit point from the program) include professions or occupations at each exit point) from the program (eg. diploma or associate degree) include professions or occupations at each exit point***) :**

Public education.
Universities.
Ministry of Agriculture in many areas such as soil laboratories, water, plant and animal wealth.
The National Commission for Wildlife Conservation.
Ministry of Health Labs.
Municipalities.
Water and Sanitation.
Meteorology and Environmental Protection.
Specifications and standards in areas such as the quality laboratories.
Planning and Environmental Health at the Ministry of Municipal and Rural Affairs.
Food packaging factories.
Agricultural crops silos.
Medical analysis laboratories.
Food and Drug Authority.

7. (a) New Program [✓] Planned starting date : **19/12/1438**
(b) Continuing Program [ ] Year of most recent major program review

Organization involved in recent major review
Accreditation review by : **Not applicable**
Other: .....

8. Name of program chair or coordinator: Dr. Wael Hamoud Alturaiki Department Chairman

9. Date of approval by the authorized body :

Campus Branch/Location	Approval By	Date
Zulfi, College of sciences Establishment.	Qassim University	03/04/1426
	MOHE	30/4/1426

Zulfi, Biology Program Establishment.	**High Approval**	**11/04/1438**
Study Start in Zulfi, College of Sciences		**1427-1428**
Study Start in Biology Program		**1438-1439**
Majmaah University Establishment.	**MOHE**	**14/07/1430**
	High Approval	**03/09/1430**
First batch of Graduation in Zulfi, College Science		**1431**
First batch of Graduation in Biology Program		**Not yet**
Study Transition to new building at Zulfi		**1431**

The decision of the Board of higher education with the establishment of Zulfi, Faculty of science

About: College Establishment - Qassim University

Kingdom of Saudi Arabia
Higher Education Council
General Secretariat

Decision of the Board of higher education			High Approval	
Number	**Meeting**	**Date**	**Number**	**Date**
16/37/1426	**37**	**30/4/1426**	**9683 /MB**	**5/8/1426**

establishment of the Faculty of Sciences in Zulfi, Qassim University; includes the following departments:

- **Mathematics**
- **Physics**
- **Computer and information science**
- **Medical laboratory**

The decision of the Board of higher education with the establishment of Majmaah University

About: Establishment of three Governmental Universities in Elkharg, Shaqraa and Majmaah

Kingdom of Saudi Arabia
Higher Education Council
General Secretariat

Decision of the Board of higher education			High Approval	
Number	**Meeting**	**Date**	**Number**	**Date**
4/1430	**Scroll Meeting**	**14/7/1430**	**7205 /MB**	**3/9/1430**

Campus Branch/Location	Approval By	Date
Main Campus:		
1: Zulfi, College of sciences	**Qassim University**	**03/04/1426**
2: Zulfi, College of sciences	**MOHE, Saudi Arabia**	**30/04/1426**
3: Majmaah University	**MOHE, Saudi Arabia**	**14/07/1430**

4: First batch of Graduation in Biology Program	**……**	**Not yet**

B. Program Context :

1. Explain why the program was established.

a. Summarize economic reasons, social or cultural reasons, technological developments, national policy developments or other reasons.

Lack of specialized programs in biology at the College of Science for Boys in Zulfi province.

Coverage of the college and the needs of the region and the labour market majoring in biology in different areas.

Biology Dept. is needed to serve other programs in the colleges of Science, Medicine, Dentistry, Applied Medical Sciences, Education and the preparatory year.

The need to create an advisory academic specialized centres to study the problems in the industry and environmental pollution and encouraging scientific research in this area.

b. Explain the relevance of the program to the mission and goals of the institution.

There is a good relation between our program and the University vision where their vision including the excellence in learning, scientific research and the community service in the Biology field.

2. Relationship (*if any*) to other programs offered by the institution / college / department .

a. Does this program offer courses that students in other programs are required to take?	Yes	✓
	NO	

If yes, what has been done to make sure those courses in other departments meet the needs of students in this program?

Communication and coordination with the relevant departments

b. Does the program require students to take courses taught by other departments?	Yes	✓
	NO	

If yes, what has been done to make sure those courses in other departments meet the needs of students in this program?

Considering student's evaluations who have completed these courses

3. Do students who are likely to be enrolled in the program have any special needs or characteristics? (E.g. Part time evening students, physical and academic disabilities, limited IT or language skills).

Yes ✓ **NO**

They should have a background in general sciences (Chemistry, Physics etc), English language (as a second language), Computer skills and an aptitude to learn Biology.

4. What modifications or services are you providing for special needs applicants?

Students have to be prepared in their first year in the college of science by giving them courses in English language, General Biology, General Chemistry, Basic mathematics, Computer skills, etc.

C. Mission, Goals and Objectives

1 . Program Mission Statement :

Give an excellent educational service for undergraduate students in biology making them capable to be competent in accordance with the standards of the labor market and provide a stimulating academic environment for research and education and provide knowledge services to the community.

List major objectives of the program within to help achieve the mission. For each measurable objective describe the measurable performance indicators to be followed and list the major strategies taken to achieve the objectives.

Measurable Objectives	Measurable Performance Indicators	Major Strategies
1. Apply various general education competencies through the study of Biology.	1.Midterm and exams 2. Presentation and quizzes 3.Assignments and group discussions 4. Start each chapter by general idea and the benefit of it. Demonstrate the course information and principles through lectures. 5. Provide main ways to deal with the exercises.	1. Ability to identify and solve relevant biological problems, and to explore solutions using alternative approaches 2. Preparing reports and oral presentation 3. Thinks holistically: sees the whole as well as the parts Supports design
2. Apply their knowledge in modern industry or teaching in high-quality graduate programs in Biology.	1.Interviews 2.Numbers of postgraduates 3. Encourage the student to look for some advanced	1.Techniques and skills (such as modelling, simulation, experimentation,

	solution for biological and ecological problems in the different references. **4. Ask the student to attend lectures or training for practice solving of biological and ecological problem**	**measurement and data analysis** **2.Research and gather information** **3.Use of computers**
3. Learn and explain biology within a professional, legal and ethical responsibility	**1. Ask the students to search the internet and use the library.** **2. Encourage them how to attend lectures regularly by assigning marks for attendance.** **3. Teach them how to cover missed lectures.** **4. Give students tasks of duties.**	**1.Understanding of ethical responsibility** **2.Understanding of professional responsibility**
4. Work effectively individual and within a team.	**1. Create working groups with peers to collectively prepare: practical part and use the internet for some topics.** **2. Give the students task to measure their: biological skills, such as anatomy, morphology, taxonomic feature … etc.** **3. Encourage the student to ask good question to help solve the problem.**	**1.Write technical report and deliver oral presentation** **2.Reading of technical magazines, Journals, and research articles**

D. Program Structure and Organization

1. Program Description:

List the core and elective program courses offered each semester from Prep Year to graduation using the below Curriculum Study Plan Table

(A separate table is required for each branch IF a given branch/location offers a different study plan).

Curriculum Study Plan Table

* ***Prerequisite*** *– list course code numbers that are required prior to taking this course.*

Year	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	College or Department
1st Year Semester 1						
Level 1		University Course	Required	-	2	University
		University Course	Required	-	2	University
	SENG-101	Scientific English	Required	-	3	College
	BIOL-101	General Biology	Required	-	3	College
	CSI-101	Introduction to Computer Science	Required	-	3	College
	CHEM101	General Chemistry-1	Required	-	3	College
		College Elective	Required	-	2	College
1st Year Semester 2						
Level 2		University Course	Required	-	2	University
	PHYS-101	General Physics-1	Required	-	3	College
	BIOL-102	Cell Biology	Required	BIOL-101	3	Department
	BIOL-111	Animal Physiology	Required	BIOL-101	3	Department
	BIOL-112	Invertebrates	Required	BIOL-101	3	Department
	BIOL-121	Plant Anatomy & Morphology	Required	-	3	Department
2nd Year Semester 1						
Level 3		University Course	Required	-	2	University
	BIOL-213	Vertebrates	Required	BIOL-101	3	Department
	BIOL-214	Animal Histology	Required	BIOL-102	3	Department
	CHEM-211	Organic Chemistry	Required	CHEM-101	3	Department
	BIOL-222	Plant Taxonomy	Required	BIOL-121	2	Department
	BIOL-241	Ecology	Required	-	2	Department
	MATH131	Basis of Mathematics	Required	-	3	College
2nd Year Semester 2						
Level 4		University Course	Required	-	2	University
	BIOL-223	Plant Physiology	Required	BIOL-222	3	Department
	BIOL-215	Comparative Anatomy	Required	BIOL-213	3	Department
	BIOC-221	Biochemistry	Required	CHEM-211	3	Department
	BIOL-231	General Microbiology		BIOL-101	3	Department
	BIOL-242	Environmental pollution	Elective	-	2	Department

Year	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	College or Department
	BIOL-243	Biodiversity	Elective	-	2	Department
3rd Year Semester 1						
Level 5		University Course	Required	-	2	University
	BIOL-316	Entomology	Required	BIOL-112	3	Department
	BIOL-344	Plant Ecology	Required	BIOL-223	3	Department
	BIOL-332	Bacteriology	Required	BIOL-231	3	Department
	BIOL-333	Mycology	Required	BIOL-231	3	Department
	BIOL-351	Genetics	Required	BIOL-102	3	Department
3rd Year Semester 2						
Level 6	BIOL-334	Virology	Required	BIOL-231	2	Department
	BIOL-335	Parasitology	Required	BIOL-231	3	Department
	BIOL-361	Instrumentation & Microscopic Preparations	Required	BIOL-101	2	Department
	BIOL-345	Animal Ecology & Behavior	Required	BIOL-241	3	Department
	BIOL-352	Molecular Biology	Required	BIOL-351	3	Department
	BIOL-317	Marine Biology	Required	BIOL-112 BIOL-213	3	Department
4th Year Semester 1						
Level 7	BIOL-436	Immunology	Required	BIOL-231	4	Department
	BIOL-446	Epidemiology	Required	BIOL-332 BIOL-334 BIOL-335	3	Department
	BIOL-453	Genetic Engineering	Required	BIOL-351	3	Department
	BIOL-471	Graduation Project (theoretical part)	Required	BIOL-215 BIOL-223 BIOL-352 BIOL-361	2	Department
	BIOL-447	Eco-physiology	Elective	-	2	Department
	BIOL-425	Medicinal & Economical Plants	Elective	-	2	Department
4th Year Semester 2						
Level 8	BIOL-454	Applied Biotechnology	Required	BIOL-453	3	Department
	BIOL-455	Bioinformatics	Required	BIOL-352	3	Department
	BIOL-418	Animal Taxonomy	Required	BIOL-215	2	Department
	BIOL-419	Embryology	Required	BIOL-215	3	Department
	BIOL-472	Graduation Project (practical part)	Required	BIOL-471	2	Department
	Include additional years if needed.					

The Elective Program Courses Requirements:

course code	Course name	Credit Hour	Pre-Requisite	Co-Requisite
BIOL-242	Environmental Pollution	2	-	
BIOL-243	Biodiversity	2	-	
BIOL-447	Eco-physiology	2	-	
BIOL-425	Medicinal & Economic plants	2	-	

2. Required Field Experience Component

(if any, e.g. internship, cooperative program, work experience).

Summary of practical, clinical or internship component required in the program. *Note: see Field Experience Specification*
a. Brief description of field experience activity **(Training courses or practical education or experience in the field):** **Students are trained in a Government or private agencies commensurate with the theme and the duration of training for at least six weeks with at least four hours a week, a needs train's student Faculty official letters indicating the quality of training and the extent and progress of the student.**
b. At what stage or stages in the program does the field experience occur? *(eg. year, semester) :* **After completing level six.**
c. Time allocation and scheduling arrangement. *(eg. 3 days per week for 4 weeks, full time for one semester)* **1 days per week for 15 week**
d. Number of credit hours *(if any)* **1 credit Hour**

3. Project or Research Requirements (if any)

Summary of any project or thesis requirements in the program. *(Other than projects or assignments within individual courses) (A copy of the requirements for the project should be attached.)*
a. Brief description **Research project. The topics and contents vary depending on the ability of the student and the courses that he has completed.**
b. List the major intended learning outcomes of the project or research task. **Ability to undertake research work by investigating and analysing biological results.**
c. At what stage or stages in the program is the project or research undertaken? *(e.g. year, semester):* **After completing level 6.**
d. Number of credit hours *(if any)*: **4 credit hours.**
e. Description of academic advising and support mechanisms for students. **Weekly meetings and discussions between the student and his supervisor.**
f. Description of assessment procedures *(including mechanism for verification of standards)* **Copies of the written project are provided to the examiners. The student defends his project before the examiners by presenting a short resume' of his project followed by the relevant question and answer session. Finally the deserving grade is awarded to the student.**

4. Learning Outcomes in Domains of Learning, Assessment Methods and Teaching Strategy

	NQF Learning Domains and Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	**Knowledge**		
On successful completion of this programme, students should be able to			
a1	**Define** and **write** the origin of life and its manifestations and evolution through the study of the cells & tissues and its components.	☒ Class discussion / Close reading and text analysis. ☒ Collaborative learning / pair work / group work. ☒ Assignments. ☒ Discussions with students motivating them to make maximum use of the course book. ☒ Encourage students to make extensive use of material on the web.	☒ Quizzes, ☒ Midterm exams ☒ Final-exams. ☒ General report ☒ Homework ☒ Assignments. ☒ Group presentation ☒ Exams to measure different biological ideas
a2	**Recall** and **reproduce** the organism species and diversity, distribution and environmental adaptation..		
a3	Continue to **acquire** and **outline** the Main groups of animal and plant kingdom in terms of morphology and anatomy, and composition, and physiology.		
2.0	**Skills**		
On successful completion of this programme, students should be able to			
S1	**Construct** and categorize the animal and plant species.	☒ Lectures, ☒ seminars, ☒ Encourage the student to look for some complicated problems in the different references. ☒ Homework assignments. ☒ Cooperative learning strategy ☒ Strategy group discussions.	☒ Quizzes, ☒ Midterm exams ☒ Final-exams. ☒ Computers software program ☒ Group discussion database ☒ self-teaching ☒ Oral discussion
S2	**Distinguish** animals & plant species according to the morphological differences.		
S3	**Develop** and **explain** the cause of the disease.		
3.0	**Competence**		
On successful completion of this programme, students should be able to			

	NQF Learning Domains and Learning Outcomes	Teaching Strategies	Assessment Methods
C1	Communicate and work effectively in groups as well as individually.	☒ Discussions through: ☒ Tutorial classes. ☒ Team work ☒ Assignments. ☒ Projects ☒ Give students tasks of duties ☒ Training students to build good relationships with their counterparts and collaborate with others	☒ Group, Presentation, Oral questions ☒ Competition between different groups ☒ Students to take responsibility to help managing the class ☒ Assigning different students to take over teaching to others ☒ Teamwork assignments ☒ General reports
C2	Think creatively about scientific problems and their solutions, both orally and in written.		
C3	Learn how to collect and classify the required topics using internet communication tools.		

Program Learning Outcome Mapping Matrix

Identify on the table below the courses that are required to teach the program learning outcomes. Insert the program learning outcomes, according to the level of instruction, from the above table below and indicate the courses and levels that are required to teach each one; use your program's course numbers across the top and the following level scale. **Levels: I = Introduction (Introduce) R = Reinforce (Proficient) A = (Advanced)**

Program Learning Outcomes with respected to NCAAA (I = Introduced R = Reinforce A = Advanced)									
Course	Knowledge			Skills			Competence		
	K.1	K.2	K.3	S.1	S.2	S.3	C.1	C.2	C.3
SENG 101	I	I		I	I				
BIOL 101	I	I		I	I		I		
CHEM 101	I	I		I	I		I		
CSI101	I	I		I				I	
PHYS101	I	I		I			I		
BIOL102	I	I			I	I		I	
BIOL 111	I	I		I	I				I
BIOL112	I		I	I	I				I
BIOL121	I	I		I	I		I	I	

BIOL 213		I	I	I	I			I	
BIOL 214	I	I		I	I		I	I	
CHEM211	I	I		I			I		
BIOL 222	I	I		I	I		I		
BIOL241	I	I		I			I		
MATH131	I			I				I	
BIOL 223		I	I	I	I			I	
BIOL 215		I	I		I	I		I	
CHEM 221	I		I	I			I		
BIOL231		I	I		I	I		I	
BIOL24..									
BIOL 316	R		R	R	R				R
BIOL 344		R	R	R	R			R	
BIOL 332	R	R		R		R	R		R
BIOL 333	R	R		R	R			R	
BIOL 351		R	R		R	R			
BIOL 334		R	R	R		R		R	
BIOL 335	R		R	R		R	R		R
BIOL 361	R	R		R	R				R
BIOL 345	R	R		R	R				R
BIOL 352	R	R			R	R	R		
BIOL 317		R	R	R	R			R	
BIOL 473									
BIOL 436	A		A		A	A			A
BIOL 446	A			A	A		A		
BIOL 453	A				A	A			A
BIOL 471	A		A	A			A		
...	A	A		A	A		A		
BIOL 454	A				A	A	A		A
BIOL 455	A				A	A			A
BIOL 418	A			A	A		A		
BIOL 419			A	A	A				A
BIOL 472			A		A	A		A	A
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5. Admission Requirements for the program

- *Attach* ***handbook or bulletin description of admission requirements including any course or experience prerequisites.*** **N/A**

6. Attendance and Completion Requirements

Attach *handbook or bulletin description of requirements for:*

a. Attendance.

b. Progression from year to year.

c. Program completion or graduation requirements.

a. Attendance: : **Students must attend 75% for each course of theoretical and practical lecture**

b. Progression from year to year: **The student can transmit to the next year either by succeeding in all subjects or with a minimum of 3 portable subjects**

c. Program completion or graduation requirements: **to get an acceptable minimum rate at graduation and receive a percentage of not less than 60% in each course.**

E. Regulations for Student Assessment and Verification of Standards

What processes will be used for verifying standards of achievement :

(eg check marking of sample of tests or assignments? Independent assessment by faculty from another institution) (Processes may vary for different courses or domains of learning.)

- **The Ministry of Higher Education regulations for teaching and exams.**
- **Unified exams, group marking and group grading for multi-section courses.**
- **Internal assessment at the end of semester.**
- **Examine a sample of tasks or duties; of an independent assessment of the work by the College in another institution.**
- **Operations may vary with different courses or fields of study.**

F Student Administration and Support

1. Student Academic Counselling

Describe the arrangements for academic counselling and advising for students,

including both scheduling of faculty office hours and advising on program planning, subject selection and career planning (which might be available at college level).

- **Meeting new students.**
- **Provide counseling to the students.**
- **A weekly office schedule is displayed on each faculty member's office and a total of 10 hours are specified for the students to provide them extra assistance and help in solving their academic problems.**
- **A follow-up committee exists in the department to look after the needs of the teaching assistant's scholarship holders and the meritorious students.**
- **Displaying the department handbook on the website of the department**.

2. Student Appeals :

Attach *the regulations for student appeals on academic matters, including processes for consideration of those appeals.*

- **Ministry of higher education regulations,**
- **University regulations of student's rights unit. (http://mu.edu.sa/en/deanships/deanship-admission-and-registration)**

G. Learning Resources, Facilities and Equipment

1a. What processes are followed by faculty and teaching staff for planning and acquisition of textbooks, reference and other resource material including electronic and web based resources?

- **Texts and references are chosen by specialized committees in the department and finally approved in the departmental meeting.**
- **These texts and references are made available in an appropriate time by the book shop and the central library.**
- **Through writing original text books or translation of some standard books by the faculty members.**
- **Subscribing in the data bases to serve the research purposes.**

1b. What processes are followed by faculty and teaching staff for planning and acquisition resources for library, laboratories, and classrooms.

Faculty and staff members generally follow the procedures to acquire resources, which typically start by submitting their requests in appropriate forms through their department heads.

2. What processes are followed by faculty and teaching staff for evaluating the adequacy of textbooks, reference and other resource provisions?

- Reviewing the contents of these texts and references by the specialized committees in the department.
- Chairman follows up.
- Authored and translated texts are sent to referees.

3. What processes are followed by students for evaluating the adequacy of textbooks, reference and other resource provisions?

Students have the opportunity to evaluate textbooks within student course experience survey as well as annual student focus group. Both activities are run by the college-level Academic Assessment Unit.

4. What processes are followed for textbook acquisition and approval?

Textbooks are made available to students through the University Bookstore. Departments submit their revised textbook lists at the end of the academic year before summer to be made available by beginning of following year.

H. Faculty and other Teaching Staff

1. Appointments

Summarize the process of employment of new faculty and teaching staff to ensure that they are appropriately qualified and experienced for their teaching responsibilities.

- **Generally, meritorious graduates are employed as teaching assistants in the department, and then they are provided with scholarships for MS and Ph.D. program. After the completion of the Ph.D. degree they are appointed as faculty members.**
- **Jobs for the academic staff are advertised nationally and internationally through all kinds of media (like internet, newspapers and magazines), a committee appointed by the department examine the applications and classifies them, those to be considered for a position and those who do not meet the academic standards of the department.**

2. Participation in Program Planning, Monitoring and Review

a. Explain the process for consultation with and involvement of teaching staff in monitoring program quality, annual review and planning for improvement.

Participation of faculty members in various academic committees,

- **Any recommendations by these committees are discussed in the departmental council.**
- **Formation of committees in various academic department affairs committees such as tables committee, scientific research committee and quality control committee.**
- **Work on activating the recommendations of these committees through discussion within the department meetings and recommendations of these committees to the department meetings.**
- **Participation of department' faculty members in the program's periodic report, which is the outcome of the reports of their courses.**
- **Discuss faculty members in the results of surveys of students about the program.**
- **Participation of faculty members in the preparation of a plan to improve the program**

b. Explain the process of the Advisory Committee (if applicable)

Council voluntary is chosen by Department, which consists of a group of eminent persons with expertise and efficiency of the community, offering advice and suggestions on topics determined by the department.

The functions of the Advisory Council of the program:

1. **Provide technical support and advice academically and administratively to the program.**
2. **Suggest mechanisms that contribute to achieving the vision and mission of the program.**
3. **Contribute to draw Strategic Plan.**
4. **Create a true community partnership.**

3. Professional; Development

What arrangements are made for professional development of faculty and teaching staff for:

a. Improvement of skills in teaching and student assessment?

i. **Workshops conducted by the deanship of development and quality assurance**

ii. **Seminar lectures and colloquium.**

b. Other professional development including knowledge of research and developments in their field of teaching specialty?

- **Conducting Seminar lectures and colloquium.**
- **Attending national and international scientific conferences.**
- **Distinguished professors in various topics are invited to visit the department.**

4. Preparation of New Faculty and Teaching Staff

Describe the process used for orientation and induction of new, visiting or part time teaching staff to ensure full understanding of the program and the role of the course(s) they teach as components within it.

- **Awareness workshop is conducted at the beginning of every academic year for new faculty members.**
- **Department handbook.**
- **Periodical meetings with heads of academic committees and course coordinators.**
- **Workshops conducted by the deanship of development and quality assurance**

5. Part Time and Visiting Faculty and Teaching Staff

Provide a summary of Program/Department/College/institution policy on appointment of part time and visiting teaching staff.

(ie. Approvals required, selection process, proportion to total teaching staff, etc.)

For the part time and visiting faculty, the same policy and process are followed as in the case of full time faculty members, but there is a not faculty member now.

I. Program Evaluation and Improvement Processes

1. Effectiveness of Teaching

a. What processes are used to evaluate and improve the strategies for developing learning outcomes in the different domains of learning?

(eg. assessment of learning achieved, advice on consistency with learning theory for different types of learning, assessment of understanding and skill of teaching staff in using different strategies)

- **Workshops**
- **Faculty course-evaluation**
- **Students teacher- evaluation**
- **Students course-evaluation**

b. What processes are used for evaluating the skills of faculty and teaching staff in using the planned strategies?

- **Internal assessment.**
- **Student's teacher-evaluation.**

2. Overall Program Evaluation

a. What strategies are used in the program for obtaining assessments of the overall quality of the program and achievement of its intended learning outcomes

(i) From current students and graduates of the program?

Graduated and enrolled student's surveys.

(ii) From independent advisors and/or evaluator(s)?

- **Consult specialists in the field of Biology outside the department and see their point of view on the process of educational department and the suitability of the curriculum with the developments occurring and advances in the field.**
- **Questionnaires to governmental and private sector agencies to assess the suitability of the curriculum for Job opportunities.**

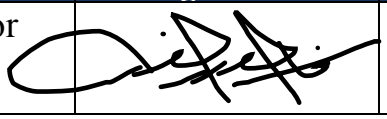
(iii) From employers and/or other stakeholders.

- **Employer's surveys.**

Attachments :

1. ***Copies of regulations and other documents referred to in template preceded by a table of contents.***
2. ***Course specifications for all courses including field experience specification if applicable.***
3.

Authorized Signatures

Dean /Chair	*Name*	*Title*	*Signature*	*Date*
Program Dean or Program Chair Main Campus	***Dr. Faiz Abdulaziz Al-Faiz***	Doctor		**05/ 01/1442 *H***

Department Official Meeting No (1) Date 05/ 01/1442 *H*

The Head of the Department

Name : ***Dr. Faiz Abdulaziz Al-Faiz***

Signature : 

Date : **05/ 01/1442 *H***

جامعة المجمعة
Majmaah University

Program Specifications (PS)

Muharram 1437 H