For Guidance on the completion of this template, please refer to of Handbook 2 Internal Quality Assurance Arrangements

Institution: UM AL – QURA UNIVERSITY
College/Department : Aljumum university college – Department of Biology

A Course Identification and General Information

1. Course title Final Year Project 2. Course code: 2307923-5
2. Credit hours: 5hrs
3. Program(s) in which the course is offered: BSc Biology
3. Name of faculty member responsible for the course: Teaching staff members (Biology)
5. Level/year at which this course is offered: 4th Year / Summer semester
6. Pre-requisites for this course (if any): --
7. Co-requisites for this course (if any): ---
8. Location if not on main campus: Aljumum university college

B Objectives

After completing this course student should be able to:

1. Gain practical and theoretical knowledge about particular area of microbiology.
2. Work independently on the research project under the supervision of academic member of staff, and should be able to design experiments to answer the particular question posed, and critically analysed the results. There will be scope for initiative in this element of the project.
3. Be able to set the work in the context of work done by other experimentalists, and provide a concise summary of relevant literature.

C. Course Description (Note: General description in the form to be used for the Bulletin or Handbook should be attached):

At the end of this course student should be able to evaluate the different approaches used and suggest future experiments or alternative strategies for addressing the problem. The student should be able to conversant with writing a scientific report and presenting scientific data in a clear accessible manner. The skills learnt will be applicable to problem solving exercises encountered in all types of employment.

2 Course components (total contact hours per semester):

Lecture : 28	Tutorial:	Practical: 42	Other:

3. Additional private study/learning hours expected for students per week. (This should be an average :for the semester not a specific requirement in each week): 12h (reports & essay)

4. Development of Learning Outcomes in Domains of Learning

For each of the domains of learning shown below indicate:

- A brief summary of the knowledge or skill the course is intended to develop;
- A description of the teaching strategies to be used in the course to develop that knowledge or skill;
- The methods of student assessment to be used in the course to evaluate learning outcomes in the domain concerned.

a. Knowledge: Description of the knowledge to be acquired

Upon successful completion of this course The student will be able to:

1. Gain practical and theoretical knowledge about particular area of microbiology.
2. Work independently on the research project under the supervision of academic member of staff, and should be able to design experiments to answer the particular question posed, and critically analysed the results. There will be scope for initiative in this element of the project.
3. Be able to set the work in the context of work done by other experimentalists, and provide a concise summary of relevant literature.

(ii) Teaching strategies to be used to develop that knowledge

- The methodology includes a combination of lectures by the lecturer, seminar presentation by the students and web-interactions. Students will be given opportunity to understand the role of important

microorganisms in different applications and human service.

- At the end of the programme, students will be divided into groups for seminar presentation on important areas of the course to assess their understanding and comprehension of the course.
- All students will be involved in on-line learning process and each student is required to create an E-mail address to facilitate student web interactions.

•Using images and movies

•Encouraging students to collect the new information about what the new in biochemistry

•Enable the reference books and scientific sites concerning microbiology in internet.

(iii) Methods of assessment of knowledge acquired:

•Submission of a literature review

•Submission of research report

b. Cognitive Skills

(i) Cognitive skills to be developed

Having successfully completed the course students should be able to:

- Displaying and organizing different types of data . Representing the data.

(ii) Teaching strategies to be used to develop these cognitive skills:

- Reading relevant research and review articles
- Brain storming
- Discussion

(iii) Methods of assessment of students cognitive skills

- Submission of a literature review
- Submission of research report

c. Interpersonal Skills and Responsibility

At the end of the course, the student will be able to:

1. Gain practical and theoretical knowledge about particular area of microbiology.
2. Work independently on the research project under the supervision of academic member of staff, and should be able to design experiments to answer the particular question posed, and critically analysed the results. There will be scope for initiative in this element of the project.
3. Be able to set the work in the context of work done by other experimentalists, and provide a concise summary of relevant literature.

(i) Teaching strategies to be used to develop these skills and abilities

- Lab work
- Case Study
- Active learning
- Small group discussion

(iii) Methods for assessment of the students interpersonal skills and capacity to carry responsibility

- Evaluate the efforts of each student in preparing the report.
- Evaluate the scientific values of reports.

- Evaluate the work in team
- Evaluation of the role of each student in lab group assignment
- Evaluation of students presentations

d. Communication, Information Technology and Numerical Skills

(i) Description of the skills to be developed in this domain. At the end of the course, the student will be able to:

1. Enhancing the ability of students to use computers and internet.
2. Interpret biostatistics data
3. Present biochemical data.
4. Know how to write a report.
5. Teaching strategies to be used to develop these skills
1. Homework (preparing a report on some topics related to the course depending on web sites).
2. Seminars presentation
3. Field visits to factories

(iii) Methods of assessment of students numerical and communication skills

1. Evaluation of presentations
2. Evaluation of reports
3. Practical exam

e. Psychomotor Skills (if applicable)

At the end of the course, the student will be able to:

1.

(ii) Teaching strategies to be used to develop these skills

4. Methods of assessment of students psychomotor skills

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Writing a literature review	All weeks	30%
2	Participation / discussion	All weeks	25%
3	Writing a proposal for a research project	All weeks	45%

D. Student Support

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

Office hours: 10 hrs

E. Learning Resources

Required Text(s):

Recommended Reading List

Electronic Materials, Web Sites

Other learning material such as computer-based programs/CD, professional standards/regulations

F. Facilities Required

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

1. Accommodation (Lecture rooms, laboratories, etc.)
   - Class room is already provided with data show
   - The area of class room is suitable concerning the number of enrolled students (68) and air conditioned.
2. Computing resources
   - Providing class rooms with computers and labs with data show.
3. Other resources (specify --eg. 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
   - Questionaries
   - Open discussion in the class room at the end of the lectures
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department
   - Revision of student answer paper by another staff member.
   - Analysis the grades of students.
3. Processes for Improvement of Teaching
   - Preparing the course as PPT.
   - Using scientific movies.
   - Coupling the theoretical part with laboratory part

• Periodical revision of course content.
4. Processes for Verifying Standards of Student Achievement (eg. check marking by an independent faculty member of a sample of student work, periodic exchange and remarking of a sample of assignments with a faculty member in another institution) • After the agreement of Department and Faculty administrations
5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. • Periodical revision by Quality Assurance Units in the Department and institution

Faculty member responsible for the course:

Prepared by faculty staff: 1. Dr Sameer Hasan Qari 2.Dr. Kamal Attia	Signature:
Date Report Completed:	
Revised by: 1. Dr. Sameer Qari	Signature:
Date:	
Program Chair Dr. Sameer Qari	Signature:
Dean Dr. Suhil Alharbi	Signature:
Date:	