



Course Report

Course Title:	Industrial microbiology	
Code:	499 Mbio	
Program:	Microbiology Department	
Department:	Botany and Microbiology Department	
Institution:	King Saud University	
Academic Year:	2021/2022	
Semester:	The First	
Course Instructor:	Dr. Jamal M.A. Khaled	
Date:	22-11-2022	

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A. Course Identification

No	Instructor(s)	Location	Number of Sections	Number of Students	
				Starting the course	Completing the course
1	DR. Jamal M.A Khaled	Building 5	77498	9	9

B. Course Delivery

1. Course Contact Hours (per semester)

No.	Activity	Planned	Actual
1	Lecture		
2	Laboratory/Studio	36	36
3	Tutorial		
4	Others (Specify)		
Total		36	36

2. Topics not Covered

Topics	Reason for Not Covering	Extent of their Impact on Learning Outcomes	Compensating Action*
All topics have been covered	Nil	Nil	Nil

*Compensating actions already taken or suggested

3. Teaching Strategies

Planned Teaching Strategies	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
Research activities and discussion	*		No- difficulties	No- Actions

4. Activities/Assessment Methods

Activities/Planned Assessment Methods	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
Writing	*		No- difficulties	No- Actions

Activities/Planned Assessment Methods	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
Presentation and writing report	*		No- difficulties	No- Actions
Laboratory work	*		No- difficulties	No- Actions

5. Verification of Credibility of Students' Results

Method(s) of Verification	Conclusions
Unified evaluation committee to examine the report and presentation	Verification was 100%
Direct meeting	Verification was 100%
Investigations of the department's academic accreditation unit.	Verification was 100%

6. Recommendations

Final report and presentation, reviewed by my colleague, and procedures of academic accreditation unit can apply to verify the credibility of students' results.

C. Student Results

1. Distribution of Grades

	Grades									Status Distributions					
	A+	A	B+	B	C+	C	D+	D	F	Dented Entry	In Progress	Incomplete	Pass	Fail	Withdrawn
Number of Students	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Percentage	10	0	0	0	0	0	0	0	0	0	0	0	10	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0%	0	0

2. Comment on Student Results

(including special factors (if any) affecting the results)

1- General average of CLOs was more than 95% of each course learning outcomes. The statistical distribution of the results is consistent with the small number of students.

3. Recommendations

Student need to develop some principles about modern technique sued in microbiology.

D. Course Learning Outcomes

1. Course Learning Outcomes Assessment Results

Course learning Outcomes (CLOs)	PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results	
			Target Level/ Criterion for Success	Actual Level		
1	Knowledge and Understanding:					
1.1	At end of the course, the student will be able to recognize the basic concepts of microbiology through perception, logical thinking, and reasoning.		Direct teaching (lecture, teaching, discussion, presentations, reading activities, practical training)	Every student must acquire more than 80% of this CLO.	More than 80%	The minimum CLO has achieved in each student.
1.2						
2	Skills:					
2.1	At end of the course, the student will be able to design the experiments and analyze the results.		Practical lessons	Every student must acquire more than 80% of this CLO.	More than 80%	The maximum CLO has achieved in each student.
2.2	At end of the course, the student will be able to evaluate the obtained data.		Practical lessons	Every student must acquire more than 80% of this CLO.	More than 80%	The maximum CLO has achieved in each student
2.3	At end of the course, the student will be able to choose appropriate methods and assess their risks.		Practical lessons	Every student must acquire more than 80% of this CLO.	More than 80%	The maximum CLO has achieved in each student

Course learning Outcomes (CLOs)	PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
			Target Level/ Criterion for Success	Actual Level	
2.4 At end of the course, the student will be able to write the proposal and final reports.		Practical lessons	Every student must acquire more than 80% of this CLO.	More than 80%	The maximum CLO has achieved in each student
3 Values:					
3.1 At end of the course, the student will be able to ability to understand and engage in research work		Assignment project	Every student must acquire more than 80% of this CLO.	More than 95%	The minimum CLO has achieved in each student.
3.2 At end of the course, the student will be able to demonstrate the policy and legislation of microbiology and ethics		Assignment project	Every student must acquire more than 80% of this CLO.	More than 95%	The minimum CLO has achieved in each student.

2. Recommendations

The course needs more facilities in laboratory work such chemical kits and modern tools.

E. Course Quality Evaluation

1. Students Evaluation of the Quality of the Course

Date of Survey:	Number of Participants:	Percentage of Participation:	Evaluation Result:
Students Feedback		Course Coordinator/Instructor Comments/Response	
Strengths: <ul style="list-style-type: none"> The objectives and course learning outcomes (CLOs) are pretty obvious The topic and planning of course serve the objectives and course learning outcomes 		Aspects of strength will be reinforced	

Assessment methods are numerous help the student to understand the topics.	
Areas for improvement: <ul style="list-style-type: none"> The work requires some chemical reagents and kits. 	We will endeavor to provide these materials.
Suggestions for Improvement: <ul style="list-style-type: none"> The modern tools are a requirement for improving the course. 	

2. Other Evaluations

(e.g., Evaluations by faculty, program leaders, peer reviewers, others)

Evaluation method :	Date:
Evaluator(s) Comments	Course Coordinator/Instructor Comments/Response
Strengths: <ul style="list-style-type: none"> It has the potential ability for application in the preparing scientific report. It contains most important knowledge in scientific research.	Aspects of strength will be reinforced
Areas for improvement: <ul style="list-style-type: none"> Promoting some aspects of the practical lessons. 	The subjects that need improvement will be improved in next semesters.
Suggestions for Improvement: <ul style="list-style-type: none"> The modern purification and determination of products are a requirement for improving the course. 	

* Add separate table for each evaluation

3.Recommendations :

The course needs modern tools and numerous kits to improve it.

F. Difficulties and Challenges

Difficulties and Challenges	Consequences	Actions Taken
Administrative Issues		
There are no difficulties and challenges.	Nil	Nil
Learning Resources		
In the laboratory, there are specified lacks of some materials.	Some the practical classes have done without actually practical training.	The application of the required materials will be submitted to the botany and microbiology department.
Facilities		

Difficulties and Challenges	Consequences	Actions Taken
There are no difficulties and challenges.	Nil	Nil

G. Course Improvement Plan

1. Course Improvement Actions

Recommended Actions	Actions Taken	Results	Comments
a. Previous course Report Recommendations			
Updating the course basing on the course specification.	done	The modern methods and equipment have been added to the course.	The course should still in line with recent trends in scientific research.
b. Other Improvement Actions*			
In this stage, there are no developmental measures have been taken during teaching the course and not included in the development plan of it.		The teaching of the course is going as planned.	

* (The developmental measures taken during teaching the course and not included in the development plan of it)

2. Action Plan for Next Semester/Year

Recommendations	Actions	Responsibility For Implementation	Time		Needed Support
			Start	End	
1. Request some chemical reagents	The application form will be filled and submitted to the department.	Laboratory technician	27-11-2022	7-12-2022	The materials are available in the central store of the department and college.