

ATTACHMENT 2 (g)

Course Report

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

**COURSE REPORT
(CR)**

**Microbial Physiology
MIC330**

Prof. Dr. Ihab Mohamed Ibrahim Moussa

A separate Course Report (CR) should be submitted for every course and for each section or campus location where the course is taught, even if the course is taught by the same person. Each CR is to be completed by the course instructor at the end of each course and given to the program coordinator

A combined, comprehensive CR should be prepared by the course coordinator and the separate location reports are to be attached.

Course Report

For guidance on the completion of this template refer to the NCAAAA handbooks or the NCAAAA Accreditation System help buttons.

Institution	King Saud University	Date of Course Report
College/ Department: College of Science/ Department of Botany and Microbiology		

A. Course Identification and General Information

1. Course title	Microbial Physiology	Code #	MIC 330	Section #	59325	
2. Name of course instructor	Professor Dr. Ihab Mohamed Ibrahim Moussa					
Location main Campus						
3. Year and semester to which this report applies:	level 5/first semester1436-1437					
4. Number of students starting the course?	<input type="text" value="12"/>	Students completing the course?	<input type="text" value="12"/>			
5. Course components (actual total contact hours and credits per semester):						
	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	2X15			1X15		45
Credit	30			1x15		

B. - Course Delivery

1. Coverage of Planned Program			
Topics Covered	Planned Contact Hours	Actual Contact Hours	Reason for Variations if there is a difference of more than 25% of the hours planned
Introduction to microbial physiology	2	2	
Microbial growth and requirements	2	2	
Factors affecting growth (environment affect and strategies) .	4	4	

Metabolism and nutrition	4	4	
Regulation of enzymes activity and gene expression	4	4	
Energy (glycolysis and Krebs cycles) and carbon source			
Macromolecules (protein and lipid) metabolism.	2	2	

2. Consequences of Non Coverage of Topics

For any topics where the topic was not taught or practically delivered, comment on how significant you believe the lack of coverage is for the course learning outcomes or for later courses in the program. Suggest possible compensating action.

Topics (if any) not Fully Covered	Effectuated Learning Outcomes	Possible Compensating Action
none		

3. Course learning outcome assessment.

	List course learning outcomes	List methods of assessment	Summary analysis of assessment results
1	Students attend this course will gain knowledge's about microbial physiology-To understand growth and growth requirement-To recognize factors affecting growth-To know how microbes do catabolism to get energy and do metabolism to build their structure -To list the growth pattern -To Describe krebs cycle-To understand glycolysis-To explain regulation of enzymes activity	Theoretical classes Internet	Activities <input type="checkbox"/> Quizzes <input type="checkbox"/> discussion <input type="checkbox"/> Final exams

	and gene expression		
2	To differentiate between growth pattern and to list growth requirement-To recognize factors affecting growth-To describe how microbes do catabolism to get energy and do metabolism to build their structure -To list the growth pattern -To Describe Krebs cycle-To understand glycolysis-To explain how to regulate enzymes activity and gene expression	<input type="checkbox"/> Theoretical and Practical classes <input type="checkbox"/> Search in the internet <input type="checkbox"/> Presentation	<ul style="list-style-type: none"> • exams • presentation and Quizzes
3	<ul style="list-style-type: none"> • Skill of handling microorganism • Skill of preparation of media required for bacterial growth • Skills of the techniques of cultivation • Working as groups during the practical classes • 	Practical classes <input type="checkbox"/> Searching throw the internet <input type="checkbox"/> interpretation and presentation of the medical reports	Quizzes - Evaluation of practical reports
4	<ul style="list-style-type: none"> • Skill of reading and presentation data • Skill of counting viable microbial cells • Skill of obtaining related scientific subjects from internet and other sources To demonstrate the ethical and safety laboratory techniques	lectures	Exams Quiz Presentation Discussion
5			
6			
7			
8			

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Summarize any actions you recommend for improving teaching strategies as a result of evaluations in table 3 above.

Continuous reading from references, new books, published papers in well known journals and from the world wide webs.

-Research project should be enforced to carry out by students to further understand the theoretical aspect of this course.

4. Effectiveness of Planned Teaching Strategies for Intended Learning Outcomes set out in the Course Specification. (Refer to planned teaching strategies in Course Specification and description of Domains of Learning Outcomes in the National Qualifications Framework)

List Teaching Methods set out in Course Specification	Were these Effective?		Difficulties Experienced (if any) in Using the Strategy and Suggested Action to Deal with Those Difficulties.
	No	Yes	

Note: In order to analyze the assessment of student achievement for each course learning outcome, student performance results can be measured and assessed using a KPI, a rubric, or some grading system that aligns student work, exam scores, or other demonstration of successful learning.

C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Explanation of Distribution of Grades
A	0	0%	
B	11	91.7%	
C	0	0%	
D	0	0%	
F	0	0%	
Denied Entry	1	8.3%	
In Progress	0	0	
Incomplete	0	0	
Pass	11	91.7%	
Fail	0	0%	
Withdrawn	0	0%	

2. Analyze special factors (if any) affecting the results

3. Variations from planned student assessment processes (if any) (see Course Specifications).

a. Variations (if any) from planned assessment schedule (see Course Specification)

Variation	Reason

b. Variations (if any) from planned assessment processes in Domains of Learning (see Course Specification)	
Variation	Reason

4. Student Grade Achievement Verification (eg. cross-check of grade validity by independent evaluator).	
Method(s) of Verification	Conclusion

D. Resources and Facilities

1. Difficulties in access to resources or facilities (if any)	2. Consequences of any difficulties experienced for student learning in the course.

E. Administrative Issues

1. Organizational or administrative difficulties encountered (if any)	2. Consequences of any difficulties experienced for student learning in the course.

F Course Evaluation

1 Student evaluation of the course (Attach survey results report)
a. List the most important recommendations for improvement and strengths
b. Response of instructor or course team to this evaluation
2. Other Evaluation (e.g. by head of department, peer observations, accreditation review, other stakeholders)

a. List the most important recommendations for improvement and strengths
b. Response of instructor or course team to this evaluation

G. Planning for Improvement

1. Progress on actions proposed for improving the course in previous course reports (if any).			
Actions recommended from the most recent course report(s)	Actions Taken	Results	Analysis
a.			
b.			
c.			
d.			

2. List what actions have been taken to improve the course (based on previous CR, surveys, independent opinion, or course evaluation).

The course have given in English instead of Arabic

3. Action Plan for Improvement for Next Semester/Year

Actions Recommended	Intended Action Points and Process	Start Date	Completion Date	Person Responsible
a.				
b.				
c.				
d.				
e.				

Name of Course Instructor: Prof. Dr.Ihab M. Ibrahim Moussa

Signature: _____ Date Report Completed: _____

Program Coordinator: _____

Signature: _____ Date Received: _____