National Commission for Academic Accreditation & Assessment

COURSE REPORT

Fungal Yeast

401345-3

To be completed by course instructors at the end of each course and given to program coordinator.

If the course is taught in more than one location the course report should be prepared for each location by the course instructors responsible for the course in each location. A combined report should be prepared by the course coordinator and the separate location reports attached.

Course Report

For guidance on the completion of this template, refer to Section 2.5 of Chapter 2 in Part 2 in this Handbook

Institution: **Umm Al-Qura University**
College/ Department: **Faculty of Applied Science / Department of Biology**

A Course Identification and General Information

1. Course title and code. **Fungal Yeast (401345-3)**
2. If course is taught in more than one section indicate the section to which this report applies **N/A**
3. Year and semester to which this report applies. **Second semester – 1437/1438 (372) / Spring 2017**
4 Location (if not on main campus): **Main Campus (Makkah)**

B- Course Delivery

1 Coverage of Planned Program

Topics	Planned Contact Hours	Actual Contact Hours	Reason for Variations if there is a difference of more than 25% of the hours planned
Introduction: - what are yeasts – importance of their study – their classification position within kingdom Mycota	**2**	**2**	
Yeast biology: – nutritional requirements - carbon sources – nitrogen sources – minerals – growth factors	**2**	**2**	

Yeast Growth – cell cycle - mmethods of yeast culturing - Solid media, Biofilm, liquid media - yeast growth curve	**4**	**4**	
physical requirements for yeast growth -Effect of temperature - water – pH – oxygen	**6**	**6**	
Yeast stress - Physical factors of yeast stress - chemical factors - biological factors	**2**	**2**	
yeast reproduction **– bud formation** **– fission** **– spore formation** **– Examples of life cycles in yeast (Saccharomyces and Schizosaccharomyces)**	**2**	**2**	
Yeast identification – criteria used in yeast identification -morphological characters – character of sexual spores – physiological and biochemical characters).	**2**	**2**	
The role of yeast fungi in food deterioration – biochemical activities of food deteriorating yeast fungi. – factors affecting food deteriorating yeast fungi growth. – methods of food preservation.	**4**	**4**	
The roles of yeast in biotechnology - Production of bioethanol - Biomass production - Production of yeast for food and feed	**2**	**2**	
The roles of yeast in biotechnology (continued) - Production of enzymes - Production of vitamins - Production of dyes			
The roles of yeast in biotechnology (continued) - Yeast and genetic engineering			

The roles of yeast in biotechnology (continued) - Yeast and environment - Killer yeast			
Yeast and medicine - Pathogenic yeasts - Causes of human infection with yeast			
Yeast and medicine - Candidosis - Cryptococcosis - treatment of yeast diseases.			

2. Consequences of Non Coverage of Topics

For any topics where significantly less time was spent than was intended in the course specification, or where the topic was not taught at all, comment on how significant you believe the lack of coverage is for the program objectives or for later courses in the program, and suggest possible compensating action if you believe it is needed.

Topics (if any) not Fully Covered	Significance of Lack of Coverage	Possible Compensating Action Elsewhere in the Program
N/A	**N/A**	**N/A**
N/A	**N/A**	**N/A**
N/A	**N/A**	**N/A**
N/A	**N/A**	**N/A**

3. 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)

Domains	List Teaching Strategies 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	
a. Knowledge	**-Combination of lectures by the lecturer, seminar presentation by the students and web-interactions.** **-Using images and related video clips**		✓	

b. Cognitive Skills	**-Lectures** **-Brain Storming** **-Discussions**		✓	
c. Interpersonal Skills and Responsibility	**-Laboratory practical session** **-Group discussion**		✓	
d. Numerical and Communication Skills	**-Home work / Essays** **-Seminar presentation**		✓	
e Psychomotor Skills (if applicable)	**Follow up students the students in lab and during carryout all the laboratory experiments**		✓	

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

C. Results

1 Number of students starting the course: **4 Students**
2 Number of students completing the course: **4 students**

3 Distribution of Grades (If percentage marks are given indicate numbers in each 5 percentile group)

	No		%	No	%	No
A	**0**		95-100	**0**	70-74	**1**
B	**2**		90-94	**0**	65-69	**0**
C	**2**		85-89	**1**	60-64	**0**
D	**0**		80-84	**1**	< 60	**0**
F	**0**	OR	75-79	**1**		
Denied Entry	**0**		Denied Entry			**0**
In Progress	**0**		In Progress			**0**
Incomplete	**0**		Incomplete			**0**
Pass	**4**		Pass			**4**
Fail	**0**		Fail			**0**
Withdrawn	**0**		Withdrawn			**0**

4 Result Summary:

Passed: No **4** Percent **100%** Failed No **0** Percent **0%**

Did not complete No **0** Percent **0%** Denied Entry No **0** Percent **0%**

5 Special factors (if any) affecting the results

None

6. Variations from planned student assessment processes (if any) (See items C 4 and 5 in the Course Specification.)

a. Variations (if any) from planned assessment schedule (C5 in Course Specification)

Variation	Reason
N/A	**N/A**
N/A	**N/A**
N/A	**N/A**

b. Variations (if any) from planned assessment processes in Domains of Learning (C4 in Course Specification)	
Variation	Reason
N/A	**N/A**
N/A	**N/A**
N/A	**N/A**

7 Verification of Standards of Achievement (Eg. check marking of a sample of papers by others in the department. See G4 in Course Specification) (Where independent report is provided a copy should be attached.)	
Method(s) of Verification	Conclusion
None	

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.
None	**None**

E. Administrative Issues

1 Organizational or administrative difficulties encountered (if any)	2. Consequences of any difficulties experienced for student learning in the course.
None	**None**

F Course Evaluation

1 Student evaluation of the course: (Attach Survey Results if available)
No survey was made due to low number of students, as well as this course is one of a number of course in the oldest study plan (edition 18). This study plan has been ceased for enrolment five years ago, and only limited to students who are changing major form old BSc Biology Program (edition 19) due to few similar course between the two majors particularly the first year where 90% of the courses are exactly the same content and same course code for both majors.

There are only 10 more students will take this course next year and that will be the last time this course will be taught.
a List the most important criticisms and strengths **none**
b Response of instructor or course team to this evaluation **none**
2. Other Evaluation -- What evaluations were received? Specify and attach reports where available. (eg. By head of department, peer observations, accreditation review, other stakeholders etc): **None**
a List the most important criticisms and strengths **None**
b Response of instructor or course team to this evaluation **None**

G Planning for Improvement

1. Progress on actions proposed for improving the course in previous course reports:	
Actions proposed in the most recent previous course report(s) **None**	State whether each action was undertaken, the impact, and if the proposed action was not undertaken or completed, give reasons.

2. Other action taken to improve the course this semester/year Provide a brief summary of any other action taken to improve the course and the results achieved. (For example, professional development for faculty, modifications to the course, new equipment, new teaching techniques etc.) **None**

3. Action Plan for Next Semester/Year

Actions Required	Completion Date	Person Responsible
This course is one of a number of course in the oldest study plan (edition 18). This study plan has been ceased for enrolment five years ago, and only limited to students who are changing major form old BSc Biology Program (edition 19) due to few similar course between the two majors particularly the first year where 90% of the courses are exactly the same content and same course code for both majors. **There are only 10 more students will take this course next year and that will be the last time this course will be taught.**		

4. Recommendations to Program Coordinator (if Required)
(Recommendations by the instructor to the program coordinator if any proposed action to improve the course would require approval at program, department or institutional level or that might affect other courses in the program.).

Name of Course Instructor: **Dr Hussein H. Abulreesh**

Signature: **H. H. Abulreesh** Date Report Completed: **20/08/1438 H (16/05/2017)**

Received by Program Coordinator: **H. H. Abulreesh** Date: **20/08/1438 H (16/05/2017)**