

ATTACHMENT 2 (g)

Course Report

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

**COURSE REPORT
(CR)**

Data Mining - CIS 449

Dr. Wael Khedr

**1434-1435H
2013-2104**

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 NCAAA handbooks or the NCAAA Accreditation System help buttons.

Institution : Majmaah University	Date of Course Report : 1/8/1435
College/ Department: Az Zulfi College of Science / Computer Science and Information Department	

A. Course Identification and General Information

1. Course title : Data Structure	Code # CIS 449	Section # 273				
2. Name of course instructor Dr. Wael Khedr	Location: College of Science in Azulfi					
3. Year and semester to which this report applies. 5th Level						
4. Number of students starting the course? <input type="text" value="10"/>	Students completing the course?	<input type="text" value="10"/>				
5. Course components (actual total contact hours and credits per semester):						
	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	45	-	-	30		75
Credit	45	-	-	15		60

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
Concepts of data mining, instances, and attributes; data preparation	8	8	
Knowledge representation; representation, clusters.	8	8	
decision tables and trees, classification rules, association rules, rules with exceptions, rules involving relations,	16	16	



trees for numeric prediction, instance based			
The basic methods: inferring rules	4	4	
constructing decision trees	4	4	
	4	4	

<p>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.</p>		
Topics (if any) not Fully Covered	Effectuated Learning Outcomes	Possible Compensating Action
Engineering the input and output: attribute selection, discretization, bagging, boosting, and stacking.	Not	
Running experiments with Weka.	Not	

3. Course learning outcome assessment.

	List course learning outcomes	List methods of assessment	Summary analysis of assessment results
1	Recall concepts, instances, and attributes; data preparation.	Homework assignments Lab assignments Class Activities Quizzes	The average of results 74.71 (C) for 10 students.
2	Describe knowledge representation; decision tables and trees.	Homework assignments Lab assignments problems Class Activities Quizzes	
3	Recognize classification rules, association rules.	Observations	
4			
5	An ability to extract rules involving relations, trees for numeric prediction, instance based classification.	Homework assignments • Exercises • Problem solving • Oral quizzes • Essay questions • Encourage students to use WEKA application • Lab	
6	An ability to implement and use rules for numeric prediction, instance based representation clusters data.		
7	• Application of Clusters		



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

- 1- Partition the students into groups weakly
- 2- Each group will execute an individual task
- 3- Discussion and Evaluate each group through all other students
- 4- Collect all tasks and prepare as a project

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	
<ul style="list-style-type: none"> • Lectures • Homework • conversation 		√	
<ul style="list-style-type: none"> • Conversation between student. • Indirected questions. • Work group for some cases. 		√	
<ul style="list-style-type: none"> • Making groups and distributed tasks. • Presentation skills. • Skill constructive Monetary and dialogue and discussion with others • The ability to clearly express an opinion, and accept the opinions of others 		√	
<ul style="list-style-type: none"> • E-mail • Web sit 		√	

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
C+	4	10%	
C	4	20%	
D	2	20%	
Denied Entry	0	-	
In Progress	11	100%	
Incomplete	0		
Pass	10	91%	
Fail	1	9%	
Withdrawn	0	-	

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

The students have not complete skills background in programming languages, and the Data structure course is based on the skills programming.

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) Using Lab in application practical	2. Consequences of any difficulties experienced for student learning in the course. Students have not enough skills in programming
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E. Administrative Issues

1 Organizational or administrative difficulties encountered (if any) <i>Nothing</i>	2. Consequences of any difficulties experienced for student learning in the course.
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F Course Evaluation

1 Student evaluation of the course (Attach survey results report)
a. List the most important recommendations for improvement and strengths I recommend to prepare a workshop training for software Weka programming
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).
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3. Action Plan for Improvement for Next Semester/Year				
Actions Recommended	Intended Action Points and Process	Start Date	Completion Date	Person Responsible
a. Review on Weka				
b. Review in programming				
c. Seminar each lecture				
d. Separate the weakness students in individual lectures				
e. Distribute the weakness students into different groups				

Name of Course Instructor: _____

Signature: _____ Date Report Completed: _____

Program Coordinator: _____

Signature: _____ Date Received: _____