ATTACHMENT 2 (g)

Course Report

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

COURSE REPORT
(CR)

Calculus (2)
Math220 + MAT 102-z

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.

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

Institution **Faculty of Science**	Date of Course Report **6/1/2015**
College/ Department **Computer Science and Information**	

A. Course Identification and General Information

1. Course title: **Calculus (2)**   Code: **MATH 220 + MAT 102-z**   Section: **144**
2. Name of course instructor **Naveed Yaqoob**   Location: **Zulfi**
3. Year and semester to which this report applies. **1435-1436**
4. Number of students starting the course? **5**   Students completing the course? **5**
5. Course components (actual total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	60	10	-	-	20	90
Credit	3	1	-	-	-	4

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 differentiation and integration, fundamental theorem of calculus.	4	4	
Integration of trignometric function, hyperbolic functions, logrithemic functions and exponential functions.	12	12	
Some techniques of integrations: (particularly, by substitution, by parts and by partial fractions)	8	8	
Evaluation of integrals through some reduction formulas.	12	12	
Techniques to solve the proper and improper integrals	8	8	
Applications of integrals in finding the area under the curves and the volumes of the solids.	8	8	
Solving the arc length problems – Numerical imtegration (Trapizoidal Rule)	8	8	

Kingdom of Saudi Arabia
National Commission for
Academic Accreditation & Assessment

المملكــة العربيــة السعوديــة
الهيئــة الوطنيــة للتقويــم
والاعـتـمـاد الأكـاديـمــي

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	Effected Learning Outcomes	Possible Compensating Action
None	None	None

3.   Course learning outcome assessment.

	List course learning outcomes	List methods of assessment	Summary analysis of assessment results
1	Define the derivatives and integrals, fundamental theorem of calculus, proper and improper integrals, area under the curves and arc lengths.	Exams, Midterms, Final examination.	Excellent
2	State the bsics of the theory of integration and to check the physical application of the integrals.	Discussions in the class	good
3	Analyze the best technique to solve the integral (by parts, by substitution or by partial fractions)	Quizzes Home work	good
4	State the proper and improper integrals and to think about the way to solve the problems concerning the different typer of improper integrals.	Midterm exams Final exams	very good
5	Outline the logical thinking and enable students to analyses the mathematical problems.	Homework	above average
6	Enable the students to create a mathematical problems and provide the best solution.	Doing homework. Group discussions.	average
7	The student should illustrate how take up responsibility.	Quizzes of some previous lectures. Surprise tests. Ask the absent students about last lecture.	good
8	Must be shown the ability of working independently and with groups.	Discussion during the lecture.	average

Kingdom of Saudi Arabia
National Commission for
Academic Accreditation & Assessment

المملكــة العربيــة السعوديــة
الهيئــة الوطنيــة للتقويــم
والاعــتـمــاد الأكــاديــمــي

| 9 | Students ability to write physical equations in a correct way. | Continuous home works. | average |
| 10 | The students should illustrate how to search the solution of problems from internet | Provide them some important limks. | Average |

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

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	
Start each chapter by general idea and the benefit of it. Demonstrate the course information and principles through lectures.		√	
Provide main ways to deal with the exercises.		√	
Solve some examples during the lecture.		√	
Encourage the student to look for some complicated problems in the different references.		√	
Ask the student to attend lectures for practice solving problem.			
Homework assignments.		√	
Ask the students to search the internet and use the library. Encourage them how to attend lectures regularly by assigning marks for attendance.		√	
Teach them how to cover missed lectures. Give students tasks of duties.		√	
Creating working groups with peers to collectively prepare: solving problems and search the internet for some topics.		√	

Kingdom of Saudi Arabia
National Commission for
Academic Accreditation & Assessment

المملكــة العربيــة السعوديــة
الهيئــة الوطنيــة للتقويــم
والاعـتـمـاد الأكـاديـمـي

Give the students tasks to measure their: mathematical skills, computational analysis and problem solving.		√	
Encourage the student to ask for help if needed.		√	
Encourage the student to ask good question to help solve the problem.		√	

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%	90-100
B	0	0%	80-89
C	0	0%	70-79
D	3	60%	60-69
F	2	40%	< 60
Denied Entry			
In Progress			
Incomplete			
Pass	3	60%	
Fail	2	40%	
Withdrawn			

2. Analyze special factors (if any) affecting the results
The attendence of the student in the class was not good.

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) Not Available	2. Consequences of any difficulties experienced for student learning in the course.

E. Administrative Issues

1 Organizational or administrative difficulties encountered (if any) None	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)

Kingdom of Saudi Arabia
National Commission for
Academic Accreditation & Assessment

المملكــة العربيــة السعوديــة
الهيئــة الوطنيــة للتقويــم
والاعـتـمــاد الأكــاديـمــي

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.			

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

3. Action Plan for Improvement for Next Semester/Year

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

Name of Course Instructor: Naveed Yaqoob

Signature: _____   **Date Report Completed: _____**

Program Coordinator: _____

Signature: _____   **Date Received: _____**