KINGDOM OF SAUDI ARABIA
Ministry of Higher Education
AL-IMAM MUHAMMAD IBN SAUD
ISLAMIC UNIVERSITY

Deanship of Preparatory Programs

المملكة العـــــــربية السعوديــة
وزارة التعليم العالي
جامعة الإمام محمد بن سعود الإسلامية
عمادة البرامج التحضيرية
قسم الرياضيات بكلية العلوم

Syllabus

2st Term 1434/1435 Hijri

Course Code	Course Name	Credit Hours	Lec.	Lab	Tut.	Pre-requisite
MAT 016	Mathematics for Administrative Sciences	4	3	0	2	None
Course Supervisor:	Dr. Emad Selouma					
e-mail	Emadms74@yahoo.com					
office	SR-73					
Class Meetings:	As scheduled					

Course's Objectives: The main objective of this course is to develop a good grasp and critical thinking of the high school mathematics.

Text Book: PRECALCULUS-1, for Applied Science Track. Compiled by Mathematics Committee, Dept of Mathematics, PEARSON Education

Website:

Grading:

- Attendance ……………………………………………5%

- Participation ……………………………………….. 5%

- Quizzes (around 4 quizzes, 5% each)……….. 20%

- Mid-term Examination……………………………. 30%

- Final Exam ……………………………………………….. 40%

- TOTAL……………………………………………….. 100

Attendance: Attendance will be taken in the first 5 minutes of the lecture (lectures). If you came late, you should remind me at the end of the class to consider your attendance for the second lecture, otherwise, you will be marked absent for the two lectures. Accepted excuses for absence should be submitted within two weeks after the absent lectures.

Classroom Participation: It is expected that you participate in the discussion at lectures by asking and answering questions, raising issues, and making observations and constructive comments.

Cheating and Dishonesty: Each student should write and submit his own work either on exams or on exercises and other course material. Any kind of cheating or dishonesty throughout the course is considered a serious offence and will be dealt with strictness and no mercy.

Attention: Don't use or leave open your mobile phone throughout lectures. Violating this may result in lowering your grad or expelling from the classroom.

Course schedule

Week	Date	Text book Sections	Topics
1	05-11-1435 H	P.1	Real Numbers and Their Properties
2	12-11-1435 H	P.2	Integer Exponents and Scientific Notation
3	19-11-1435 H	P.3	Rational Exponents and Radicals
4	26-11-1435 H	P.4	Polynomials
National Day of the Kingdom "Tuesday 28/11/1435H, 23/09/2014"			
Eid-Aladhaa Holiday " Sunday 04/12/1435H, 28/09/2014 - Thursday 15/12/1435, 09/10/2014"			
5	18-12-1435 H	P.5	Factoring Polynomials
6	25-12-1435 H	1.1	Equation in One Variable
6		1.3	Equation and Graphs in Two Variables
7	02-01-1436 H	1.4	Linear Equations in Two Variables
7		1.6	Quadratic Equations
7		1.7	Linear and Absolute Value Inequalities
8	09-01-1436 H	2.2	Functions
8		2.4	Operations with Functions
9	16-01-1436 H	2.5	Inverse Functions
MID-Term			
10	23-01-1436 H	3.1	Quadratic Functions and Inequalities
10		4.1	Exponential Functions and Their Applications
11	01-02-1436 H	4.2	Logarithmic Functions and Their Applications
11		4.3	Rules of Logarithms
12	08-02-1436 H	5.1	Properties of Matrices
12		5.4	Determinant Solution of Linear Systems
13	15-02-1436 H	5.3	Matrix Solution of Linear Systems
13		5.5	Matrix Inverses
14	22-02-1436 H		**Summary**
15	29-02-1436 H		**Review**
16	06-03-1436 H		**Final Examinations**