

Faculty of Commerce & Business Administration

Mathematics

Information :

Course Code : MST 101

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Commerce & Business Administration

Instructor Information :

Title	Name	Office hours
Associate Professor	Mamdouh Abdel Alim Saad Mowafy	1

Area Of Study :

Analytical study of functions: linear, quadratic, and exponential functions. Inequalities, matrices and differentiation.

Description :

Equations and inequalities, functions and graphs, polynomials, determinants and matrices, systems of equations, differentiation, minima and maxima, point of inflection, integration. Emphasis on business applications, mathematical techniques are developed as needed.

Course outcomes :

a.Knowledge and Understanding: :

1 -	Have a strong foundation of basic math skills, concepts, terminology and problem-solving strategies
2 -	Becoming familiar with mathematical concepts and solving linear, quadratic and inequalities.

b.Intellectual Skills: :

1 -	Be able to present one of the topics with a group.
2 -	Acquires skills to solve problems in different practical situations

c.Professional and Practical Skills: :

1 -	Differentiate between the different types of first and second degrees functions
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d.General and Transferable Skills: :

1 -	Assess problems.
2 -	Interact efficiently with others.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
1st Degree Equations	3	3	1
Quadratic (2nd Degree) Equations	3	3	1
Inequalities (1st & 2nd Degree)	3	3	1
Straight Line Equations	3	3	1

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Applications (Breakeven, Revenue& Cost& Profit, Equilibrium ,Supply & Demand)	3		1
First Midterm	2		
Determinants	3	3	1
Determinant (Cramer's Rule)	3	3	1
Matrices	3	3	1
Matrices	3	3	1
Second Midterm	2		
Differentiation	3	3	1
Integration	3	3	1
Presentation	3	3	1
Final Revision	3	3	1

Teaching And Learning Methodologies :

Text book
Examples
Group assignment

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid-Exam	20.00	6	
2nd Midterm	20.00	11	
Coursework (Attendance, Assignments, Presentation, Participation)	20.00	13	
Final Exam	40.00	16	