

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
College of General Studies
Prep-Year Math Program
SYLLABUS
MATH002 – TERM 252

Week	Date	Sec.	Topic
1	Jan. 11 - Jan. 15	2.8	One-to-One Functions and Their Inverses
		4.1	4.1: Exponential Functions
		4.2	4.2: Natural Exponential Function
2	Jan. 18 - Jan. 22	4.3	Logarithmic Functions
		4.4	Laws of Logarithms
3	Jan. 25 - Jan. 29	4.5	Exponential and Logarithmic Equations
		5.1	Angle Measure
4	Feb. 01 - Feb. 05	5.1	Angle Measure (Continue....)
		5.2	Trigonometry of Right Triangles *
5	Feb. 08 - Feb. 12	5.3	Trigonometric Functions of Angles
		6.2	Trigonometric Functions of Real Numbers
6	Feb. 15 - Feb. 19	6.3	Trigonometric Graphs
		6.4	More Trigonometric Graphs
SAUDI FOUNDATION DAY: 22 ND FEBRUARY 2026			
7	Feb. 23 - Feb. 26	6.4	More Trigonometric Graphs Measure (Continue...)
		5.4	Inverse Trigonometric Functions and their Graphs
		6.5	
8	Mar. 01 - Mar. 05	7.1	Trigonometric Identities
		7.2	Addition and Subtraction Formulas
9	Mar. 08 - Mar. 12	7.2	Addition and Subtraction Formulas (Continue...)
		7.3	Double-Angle, Half-Angle
EID – FITR VACATION: 15 TH – 26 TH MARCH 2026			
10	Mar. 29 - Apr. 02	7.4	Basic Trigonometric Equations
		7.5	More Trigonometric Equations
11	Apr. 05 - Apr. 09	9.1	9.1: Vectors in Two Dimensions
		9.2	9.2: The Dot Product
		10.1	Systems of Linear Equations in Two Variables
12	Apr. 12 - Apr. 16	10.4	Systems of Nonlinear Equations
		11.1	Matrices and Systems of Linear Equations
13	Apr. 19 - Apr. 23	11.2	The Algebra of Matrices
		11.3	Inverses of Matrices and Matrix Equations
14	Apr. 26 - Apr. 30	11.4	Determinants + Properties of Determinants **
		12.1	Parabolas (with shifted Parabolas)
15	May 03 - May 07	12.2	Ellipses (with shifted Ellipses)
		12.3	Hyperbolas (with shifted Hyperbolas)
16	May 10	12.4	Shifted Conics
		Rev	Review for Final Exam