

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
College of General Studies, Prep-Year Math Program
SYLLABUS
MATH001 – TERM 261

Week	Date	Sec.	Topic
1	Aug. 19 - Aug. 20	P.2	Real Numbers
2	Aug. 23 - Aug. 27	P.3	Integer Exponents and Scientific Notation
		P.4	Rational Exponents and Radicals
		P.5	Algebraic Expressions
3	Aug. 30 - Sep. 03	P.6	Factoring
		P.7	Rational Expressions
		P.8	Solving Basic Equations
4	Sep. 06 - Sep. 10	1.1	The Coordinate plane
		1.2	Graphs of Equations in Two Variables; Circles
5	Sep. 13 - Sep. 17	1.3	Lines
		1.4	Solving Quadratic Equations
6	Sep. 20 - Sep. 22	1.5	Complex Numbers
		SAUDI NATIONAL DAY: 23 RD – 24 TH SEPTEMBER 2026	
7	Sep. 27 - Oct. 01	1.6	Solving Other Types of Equations
		1.7	Solving Inequalities
MAJOR EXAM I: WEDNESDAY SEPTEMBER 30, 2026 [P.2 – 1.6]			
8	Oct. 04 - Oct. 08	1.8	Solving Absolute Value Equations and Inequalities
		2.1	Functions
9	Oct. 11 - Oct. 15	2.2 2.3	Graphs of Functions; Getting Information from the Graph of a Function
		2.5	Linear Functions
10	Oct. 18 - Oct. 19	2.6	Transformations of Functions
		MID-TERM BREAK: 20 TH – 22 ND OCTOBER 2026	
11	Oct. 25 - Oct. 29	2.7	Combining Functions
		3.1	Quadratic Functions
12	Nov. 01 - Nov. 05	3.3	Dividing Polynomials
		3.4	Real Zeros of Polynomials
13	Nov. 08 - Nov. 12	3.2	Polynomial Functions and Their Graphs
		3.5	Complex Zeros and the Fundamental Theorem of Algebra
MAJOR EXAM II: WEDNESDAY NOVEMBER 11, 2026 [1.7 – 3.3]			
14	Nov. 15 - Nov. 19	3.6	Rational Functions
		2.8	One-to-One Functions and Their Inverses
15	Nov. 24 - Nov. 26	AUTUMN BREAK: 22 ND – 23 RD NOVEMBER 2026	
		4.1 4.2	4.1: Exponential Functions 4.2: Natural Exponential Function
16	Nov. 29 - Dec. 03	4.3	Logarithmic Functions
		4.4	Laws of Logarithms
17	Dec. 06 - Dec. 10	4.5	Exponential and Logarithmic Equations
			Review for Final Exam
FINAL EXAM: TO BE ANNOUNCED [P.2 – 4.5]			