

MATH 11000 Fundamentals of Algebra
Fall 2018 Syllabus/MyLabs Plus Assignments (MW)

TEXTBOOK *Concepts and Applications in Mathematics Second Custom Edition for Math 11000 at IUPUI*, Pearson Custom Publishing, ISBN 9781323494073. *Note: The eText version of the textbook is included with MyLabs Plus.*

It is strongly suggested that you finish the MyLabs Plus homework by the “recommended” due date. All homework assignments must be completed by 9am on each exam day (see the schedule below).

Day	Date	Topics	MLP Due Date
1	Monday, 8/20	1.1 Some Basics of Algebra 1.2 Operations and Properties of Real Numbers 1.6 Properties of Exponents	8/27
2	Wednesday, 8/22	1.3 Solving Equations 1.4 Introduction to Problem Solving 1.5 Formulas, Models, and Geometry	8/29
3	Monday, 8/27	2.1 Graphs 2.2 Functions 2.3 Linear Functions: Slope, Graphs, and Models	9/5
4	Wednesday, 8/29	2.4 Another Look at Linear Graphs 2.5 Equations of Lines and Modeling	9/10
	<i>Monday, 9/3</i>	<i>Labor Day – No Class</i>	
5	Wednesday, 9/5	2.6 The Algebra of Functions Review for Exam	9/10
6	Monday, 9/10	Exam #1	
7	Wednesday, 9/12	5.1 Introduction to Polynomials and Polynomial Functions 5.2 Multiplication of Polynomials	9/19
8	Monday, 9/17	5.3 Common Factors and Factoring by Grouping 5.4 Factoring Trinomials 5.5 Factoring Perfect-Squares and Differences of Squares	9/24
9	Wednesday, 9/19	7.1 Radical Expressions and Functions 7.2 Rational Numbers as Exponents	9/26
10	Monday, 9/24	7.3 Multiplying Radical Expressions 7.4 Dividing Radical Expressions <i>Complex/Imaginary Numbers</i>	10/1
11	Wednesday, 9/26	5.8 Applications of Polynomial Equations 8.1 Quadratic Equations	10/3
12	Monday, 10/1	8.2 The Quadratic Formula 8.4 Applications of Quadratic Equations <i>Applications using Quadratic Equations (from 5.8, 8.1, 8.2, 8.4)</i>	10/8
13	Wednesday, 10/3	Review for Exam	
14	Monday, 10/8	Exam #2	

Day	Date	Topics	MLP Due Date
15	Wednesday, 10/10	8.6 Quadratic Functions and Their Graphs 8.7 More About Graphing Quadratic Functions 8.8 Problem Solving and Quadratic Functions	10/22
	<i>Monday, 10/15</i>	<i>Fall Break – No Class</i>	
16	Wednesday, 10/17	9.1 Composite Functions and Inverse Functions 9.2 Exponential Functions	10/24
17	Monday, 10/22	9.3 Logarithmic Functions 9.4 Properties of Logarithmic Functions	10/29
18	Wednesday, 10/24	9.5 Common Logarithms and Natural Logarithms 9.6 Solving Exponential and Logarithmic Equations	10/31
19	Monday, 10/29	9.7 Applications of Exponential and Logarithmic Functions Review for Exam	10/31
20	Wednesday, 10/31	Exam #3	
21	Monday, 11/5	3.1 Systems of Equations in Two Variables 3.2 Solving by Substitution or Elimination 3.3 Solving Applications: Systems of Two Equations	11/12
22	Wednesday, 11/7	3.4 Systems of Equations in Three Variables 3.5 Solving Applications: Systems of Three Equations 3.8 Business and Economics Applications	11/14
23	Monday, 11/12	4.1 Inequalities and Applications 4.2 Intersections, Unions, and Compound Inequalities 4.4 Inequalities in Two Variables	11/19
24	Wednesday, 11/14	4.5 Applications Using Linear Programming Review for Exam	11/19
25	Monday, 11/19	Exam #4	
	<i>Wednesday, 11/21</i>	<i>Thanksgiving Break – No Class</i>	
26	Monday, 11/26	<i>(from Miller, Mathematical Ideas, 13e)</i> 3.1 Statements and Quantifiers 3.2 Truth Tables and Equivalent Statements	12/3
27	Wednesday, 11/28	<i>(from Miller, Mathematical Ideas, 13e)</i> 3.3 The Conditional and Circuits 3.4 The Conditional and Related Statements	12/5
28	Monday, 12/3	<i>(from Miller, Mathematical Ideas, 13e)</i> 3.6 Analyzing Arguments with Truth Tables	
29	Wednesday, 12/5	Review for Final	
30	Monday, 12/10	Review for Final	
	Thursday, 12/13	Final Exam 1-3pm in Lecture Hall (Rooms TBA)	