

**MATH 11000 Fundamentals of Algebra**  
**Spring 2017 Syllabus/MyLabs Plus Assignments (MWF)**

**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).*

<b>Day</b>	<b>Date</b>	<b>Topics</b>	<b>MLP Due Date</b>
1	Monday, 1/09	1.1 Some Basics of Algebra 1.2 Operations and Properties of Real Numbers	1/27
2	Wednesday, 1/11	1.3 Solving Equations 1.4 Introduction to Problem Solving	1/27
3	Friday, 1/13	1.5 Formulas, Models, and Geometry 1.6 Properties of Exponents	1/27
	<i>Monday, 1/16</i>	<i>MLK Jr., Holiday – No Class</i>	
4	Wednesday, 1/18	2.1 Graphs 2.2 Functions	1/27
5	Friday, 1/20	2.3 Linear Functions: Slope, Graphs, and Models 2.4 Another Look at Linear Graphs	1/27
6	Monday, 1/23	2.5 Equations of Lines and Modeling	1/27
7	Wednesday, 1/25	2.6 The Algebra of Functions Review for Exam	1/27
<b>8</b>	<b>Friday, 1/27</b>	<b>Exam #1</b>	
9	Monday, 1/30	5.1 Introduction to Polynomials and Polynomial Functions 5.2 Multiplication of Polynomials	2/27
10	Wednesday, 2/01	5.3 Common Factors and Factoring by Grouping	2/27
11	Friday, 2/03	5.4 Factoring Trinomials	2/27
12	Monday, 2/06	5.5 Factoring Perfect-Squares and Differences of Squares	2/27
13	Wednesday, 2/08	7.1 Radical Expressions and Functions	2/27
14	Friday, 2/10	7.2 Rational Numbers as Exponents	2/27
15	Monday, 2/13	7.3 Multiplying Radical Expressions 7.4 Dividing Radical Expressions	2/27
16	Wednesday, 2/15	5.8 Applications of Polynomial Equations <i>Complex/Imaginary Numbers</i>	2/27
17	Friday, 2/17	8.1 Quadratic Equations	2/27
18	Monday, 2/20	8.2 The Quadratic Formula	2/27
19	Wednesday, 2/22	8.4 Applications of Quadratic Equations <i>Applications using Quadratic Equations (from 5.8, 8.1, 8.2, 8.4)</i>	2/27
20	Friday, 2/24	Review for Exam	

Day	Date	Topics	MLP Due Date
<b>21</b>	<b>Monday, 2/27</b>	<b>Exam #2</b>	
22	Wednesday, 3/01	8.6 Quadratic Functions and Their Graphs	3/27
23	Friday, 3/03	8.7 More About Graphing Quadratic Functions 8.8 Problem Solving and Quadratic Functions	3/27
24	Monday, 3/06	9.1 Composite Functions and Inverse Functions	3/27
25	Wednesday, 3/08	9.2 Exponential Functions	3/27
26	Friday, 3/10	9.3 Logarithmic Functions 9.4 Properties of Logarithmic Functions	3/27
	<i>Monday, 3/13</i>	<i>Spring Break – No Class</i>	
	<i>Wednesday, 3/15</i>	<i>Spring Break – No Class</i>	
	<i>Friday, 3/17</i>	<i>Spring Break – No Class</i>	
27	Monday, 3/20	9.5 Common Logarithms and Natural Logarithms 9.6 Solving Exponential and Logarithmic Equations	3/27
28	Wednesday, 3/22	9.7 Applications of Exponential and Logarithmic Functions	3/27
29	Friday, 3/24	Review for Exam #3	
<b>30</b>	<b>Monday, 3/27</b>	<b>Exam #3</b>	
31	Wednesday, 3/29	3.1 Systems of Equations in Two Variables 3.2 Solving by Substitution or Elimination	4/14
32	Friday, 3/31	3.3 Solving Applications: Systems of Two Equations 3.8 Business and Economics Applications	4/14
33	Monday, 4/03	3.4 Systems of Equations in Three Variables 3.5 Solving Applications: Systems of Three Equations	4/14
34	Wednesday, 4/05	4.1 Inequalities and Applications 4.2 Intersections, Unions, and Compound Inequalities	4/14
35	Friday, 4/07	4.4 Inequalities in Two Variables	4/14
36	Monday, 4/10	4.5 Applications Using Linear Programming	4/14
37	Wednesday, 4/12	Review for Exam	
<b>38</b>	<b>Friday, 4/14</b>	<b>Exam #4</b>	
39	Monday, 4/17	3.1 Statements and Quantifiers	5/01
40	Wednesday, 4/19	3.2 Truth Tables and Equivalent Statements	5/01
41	Friday, 4/21	3.3 The Conditional and Circuits	5/01
42	Monday, 4/24	3.4 The Conditional and Related Statements	5/01
43	Wednesday, 4/26	3.6 Analyzing Arguments with Truth Tables	5/01
44	Friday, 4/28	Review for Final	
45	Monday, 5/01	Review for Final	
	<b>Thursday 5/04</b>	<b>Final Exam 1-3pm in Lecture Hall (Rooms TBA)</b>	