

# SYLLABUS (Generic for MWF classes) — Math 11100 – Algebra — 2016 Spring

\*\* Generic---See your instructor for the course materials for your section \*\*

INSTRUCTOR: xxxxx OFFICE & PHONE <sup>1</sup> : xxxxx
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CLASS #xxxxx: xxxxx CLASS #xxxxx: xxxxx
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OFFICE HOURS <sup>1</sup> : xxxx - xxxx. Or call me for a same-day appointment.
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Mtg	Date	Activity & Lecture Topics (see section titles on page 3)	MLP HW Due <sup>2</sup>	Quiz
1	01/11M	§2.5, Course Materials	---	
2	01/13W	§2.6, §2.7	2.5	
3	01/15F	§3.1, §3.2	2.6, 2.7	<b>Qz #01</b>
---	01/18M	<i>Martin Luther King Jr. Holiday (no class)</i>		
4	01/20W	§3.3, §3.5	3.1, 3.2	
5	01/22F	§3.6, §4.1	3.3, 3.5	
6	01/25M	§4.3	3.6, 4.1	<b>Qz #02</b>
7	01/27W	§5.1	4.3	
8	01/29F	§5.2	5.1	
9	02/01M	Catch-up and review for Exam #1	5.2	<b>Qz #03</b>
<b>10</b>	<b>02/03W</b>	<b>***EXAM #1*** (Over 2.5 – 5.2)</b>	<b>MLP HW closes today at 6:00 AM</b>	
11	02/05F	§5.3, §5.4	---	
12	02/08M	§5.5	5.3, 5.4	
13	02/10W	§6.1, §6.2	5.5	<b>Qz #04</b>
14	02/12F	§6.3	6.1, 6.2	
15	02/15M	§6.4	6.3	
16	02/17W	§6.5	6.4	<b>Qz #05</b>
17	02/19F	§7.1, §7.2	6.5	
18	02/22M	§7.3	7.1, 7.2	
19	02/24W	Catch-up and review for Exam #2	7.3	<b>Qz #06</b>
<b>20</b>	<b>02/26F</b>	<b>*** EXAM #2*** (Over 5.3 – 7.3)</b>	<b>MLP HW closes today at 6:00 AM</b>	
21	02/29M	§7.4	---	
22	03/02W	§7.5	7.4	
23	03/04F	§8.1, §8.2	7.5	<b>Qz #07</b>
24	03/07M	§8.3	8.1, 8.2	
25	03/09W	§8.4, §8.5	8.3	
26	03/11F	§8.6	8.4, 8.5	<b>Qz #08</b>
---	03/14M	<i>Spring Break (no class)</i>	---	
---	03/16W	<i>Spring Break (no class)</i>	---	
---	03/18F	<i>Spring Break (no class)</i>	---	
27	03/21M	§8.7	8.6	
28	03/23W	§9.1	8.7	
29	03/25F	§9.2	9.1	
30	03/28M	Catch-up and review for Exam #3	9.2	<b>Qz #09</b>
<b>31</b>	<b>03/30W</b>	<b>*** EXAM #3*** (over 7.4 – 9.2)</b>	<b>MLP HW closes today at 6:00 AM</b>	
32	04/01F	§9.3	---	

NOTE: See page 2 for footnotes.

This schedule continues on page 2...

...continued from page 1.

Mtg	Date	Activity & Lecture Topics (see section titles on page 3)	MLP HW Due <sup>2</sup>	Quiz
33	04/04M	§9.4	9.3	
34	04/06W	§9.5, §9.6	9.4	<b>Qz #10</b>
35	04/08F	§9.7	9.5, 9.6	
36	04/11M	§10.1	9.7	
37	04/13W	§10.2	10.1	<b>Qz #11</b>
38	04/15F	§10.3	10.2	
NOTE: Friday, April 15, 5:00 PM is the <b>deadline for withdrawal</b> from this course. <sup>3</sup>				
39	04/18M	§10.4, §10.5	10.3	
40	04/20W	§10.6	10.4, 10.5	
41	04/22F	Catch-up and review for Exam #4	10.6	<b>Qz #12</b>
<b>42</b>	<b>04/25M</b>	<b>*** EXAM #4*** (Over 9.3 – 10.6)</b>	<b>MLP HW closes today at 6:00 AM</b>	
43	04/27W	Review for Final Exam		
44	04/29F	Review for Final Exam		
45	05/02M	Review for Final Exam (Last regular class meeting)		
<b>(46)</b>	<b>05/06F</b>	<b><u>FINAL EXAM</u><sup>4</sup> from 1:00 - 3:00 PM at _____ (location will be announced)</b>		

### REQUIRED TEXTBOOK

Either of the following versions of the textbook is suitable for this course:

- Loose leaf (ISBN 9781256664482) *Intermediate Algebra, Custom 4<sup>th</sup> Ed. for IUPUI*, Lial, Hornsby, McGinnis
- Hardback (ISBN 9780321715418) *Intermediate Algebra, 11<sup>th</sup> Ed.*, Lial, Hornsby, McGinnis

### WEB-BASED (ONLINE) HOMEWORK AND RECOMMENDED TEXTBOOK EXERCISES

- Access MyLabsPlus (MLP) through Oncourse to find and complete the online homework for this course.
- See the *Recommended Textbook Exercises* handout in the AdministrativeDocuments folder in Oncourse.

<sup>1</sup> For more information about office hours and details about how to contact me, see the *Office Hours and Contact Information* handout in the AdministrativeDocuments folder (under Resources) in Oncourse.

<sup>2</sup> **All MLP (MyLabsPlus) homework assignments must be submitted before 6:00 AM on the date of the corresponding exam. No extensions are given.** Due dates shown here are recommended completion dates only.

<sup>3</sup> Requests for withdrawal after the official last day to withdraw require extraordinary circumstances and such requests are rarely granted. More information about withdrawing can be found at: [www.registrar.iupui.edu](http://www.registrar.iupui.edu).

<sup>4</sup> More information about the common departmental final exam (practice problems, practice finals, etc.) can be found on the Math Department web page at [www.math.iupui.edu/courses](http://www.math.iupui.edu/courses). **Be certain that you do not have a conflict (religious observance, work, personal, class, or other) with the scheduling of the final exam. If you do have a conflict you must inform your instructor immediately.**

**TEXTBOOK SECTION TITLES**

§2.5 Linear Inequalities in One Variable, §2.6 Set Operations and Compound Inequalities, §2.7 Absolute Value Equations

§3.1 The Rectangular Coordinate System, §3.2 The Slope of a Line, §3.3 Linear Equations in Two Variables, §3.5 Introduction to Relations and Functions, §3.6 Function Notation and Linear Functions

§4.1 Systems of Linear Equations in Two Variables, §4.3 Applications of Systems of Linear Equations

§5.1 Integer Exponents, §5.2 Adding and Subtracting Polynomials, §5.3 Polynomial Functions, Graphs, and Composition, §5.4 Multiplying Polynomials, §5.5 Dividing Polynomials

§6.1 Greatest Common Factors: Factoring by Grouping, §6.2 Factoring Trinomials, §6.3 Special Factoring, §6.4 A General Approach to Factoring, §6.5 Solving Equations by Factoring

§7.1 Rational Expressions and Functions; Multiplying and Dividing, §7.2 Adding and Subtracting Rational Expressions, §7.3 Complex Fractions, §7.4 Equations with Rational Expressions, §7.5 Applications of Rational Expressions

§8.1 Radical Expressions and Graphs, §8.2 Rational Exponents, §8.3 Simplifying Radical Expressions, §8.4 Adding and Subtracting Radical Expressions, §8.5 Multiplying and Dividing Radical Expressions, §8.6 Solving Equations with Radicals, §8.7 Complex Numbers

§9.1 The Square Root Property and Completing the Square, §9.2 The Quadratic Formula, §9.3 Equations Quadratic in Form, §9.4 Formulas and Further Applications, §9.5 Graphs of Quadratic Functions, §9.6 More about Parabolas and Their Applications, §9.7 Quadratic and Rational Inequalities

§10.1 Inverse Functions, §10.2 Exponential Functions, §10.3 Logarithmic Functions, §10.4 Properties of Logarithms, §10.5 Common and natural Logarithms, §10.6 Exponential and Logarithmic Equations; Further Applications