

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

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

INSTRUCTOR: xxxxx
OFFICE & PHONE¹: xxxxx

CLASS #xxxxx: xxxxx
CLASS # xxxxx: xxxxx

OFFICE HOURS¹: xxxx - xxxx. Or call me for a same-day appointment.

Mtg	Date	Activity & Lecture Topics (see section titles on page 2)	MLP HW Due ²	Quiz
1	01/12T	§2.5, §2.6, Course Materials	---	
2	01/14R	§2.7, §3.1, §3.2	2.5, 2.6	Qz #01
3	01/19T	§3.3, §3.5, §3.6	2.7, 3.1, 3.2	
4	01/21R	§4.1, §4.3	3.3, 3.5, 3.6	Qz #02
5	01/26T	§5.1, §5.2	4.1, 4.3	
6	01/28R	Catch-up and review for Exam #1	5.1, 5.2	Qz #03
7	02/02T	***EXAM #1*** (Over 2.5 – 5.2)	MLP HW closes today at 6:00 AM	
8	02/04R	§5.3, §5.4, §5.5	---	
9	02/09T	§6.1, §6.2	5.3, 5.4, 5.5	Qz #04
10	02/11R	§6.3, §6.4	6.1, 6.2	
11	02/16T	§6.5, §7.1	6.3, 6.4	Qz #05
12	02/18R	§7.2, §7.3	6.5, 7.1	
13	02/23T	Catch-up and review for Exam #2	7.2, 7.3	Qz #06
14	02/25R	*** EXAM #2*** (Over 5.3 – 7.3)	MLP HW closes today at 6:00 AM	
15	03/01T	§7.4, §7.5	---	
16	03/03R	§8.1, §8.2	7.4, 7.5	Qz #07
17	03/08T	§8.3, §8.4, §8.5	8.1, 8.2	
18	03/10R	§8.6, §8.7	8.3, 8.4, 8.5	Qz #08
---	03/15T	<i>Spring Break (no class)</i>	---	
---	03/17R	<i>Spring Break (no class)</i>	---	
19	03/22T	§9.1, §9.2	8.6, 8.7	
20	03/24R	Catch-up and review for Exam #3	9.1, 9.2	Qz #09
21	03/29T	*** EXAM #3*** (over 7.4 – 9.2)	MLP HW closes today at 6:00 AM	
22	03/31R	§9.3, §9.4, §9.5	---	
23	04/05T	§9.6, §9.7	9.3, 9.4, 9.5	Qz #10
24	04/07R	§10.1, §10.2	9.6, 9.7	
25	04/12T	§10.3, §10.4	10.1, 10.2	Qz #11
26	04/14R	§10.5, §10.6	10.3, 10.4	
NOTE: Friday, April 15, 5:00 PM is the deadline for withdrawal from this course ³				
27	04/19T	Catch-up and review for Exam #4	10.5, 10.6	Qz #12
28	04/21R	*** EXAM #4*** (Over 9.3 – 10.6)	MLP HW closes today at 6:00 AM	
29	04/26T	Review for Final Exam		
30	04/28R	Review for Final Exam		
(31)	05/06F	FINAL EXAM⁴ from 1:00 -3:00 PM at _____ (location will be announced)		

NOTE: See page 2 for footnotes.

TEXTBOOK

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

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

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

¹ 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.

² **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.

³ 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.

⁴ 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. **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.**