

SYLLABUS
Math 104, College Algebra
Fall 2011

Instructor: Thelma Latimer

Office: Engineering Building, ENGR 289

Office Hours: Tuesday and Thursday 11 am-12 Noon and by appointment

Office Phone: 719-255-3869. Contacting me by email is a good way to ask questions if you can't make it to my office hours.

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Text: *College Algebra Essentials, Blitzer, 3rd Edition*

Grading Scale

Attendance	5%
Home work	15%
Quizzes	10%
Tests	45%
Final Exam	25%

Important Dates

Student with disabilities should notify me as soon as possible of any special needs. The sooner I am alerted to any special requirements, the better able I will be to make any necessary accommodations. Please provide your letters of certification and accommodation within the first two weeks of class.

September 8	Last day to drop the course and receive a tuition refund
September 6	Labor Day Holiday - No Class
October 28	Last day to drop without special permission from the Dean
November 23-27	Thanksgiving Break
December 15	Final Exam

Homework

Homework will be assigned every day and will be due at least once a week (usually on Tuesdays). Each homework assignment will be worth 10 points. Roughly half the points for each homework assignment will be earned by simply putting in a good effort on the entire assignment. The other half of the points will be earned by accuracy on which ever problems I choose to grade (typically 2-5 problems per assignment). **I DO NOT ACCEPT LATE HOMEWORK, NO EXCEPTIONS**, however the lowest two homework scores will be dropped.

Important: It is your responsibility to show your work and to present it in readable form. Answers without justification will receive no credit.

Quizzes

Quizzes (selected from the homework problems) will be unannounced and given from time to time at the teacher's discretion. The points for each quiz will vary depending on the number of questions(usually 5- 15 pt.)

Tests

Unless arrangements have been made prior to the exam or there has been a verifiable emergency, **THERE WILL BE NO MAKE-UP EXAMS. MISSED EXAMS WILL BE SCORED AS A ZERO!**

Calculators

Calculator usage on exams is limited to a basic scientific calculator with a minimal number of storage registers and **no** graphing capability.

Math Learning Center

The Math Learning Center provides free drop-in tutoring for students. Check with them for their hours. This is an excellent place to get help understanding concepts, get help with homework or to just meet with your fellow students for a group study session.

RESPECT AND RESPONSIBILITY

While in class, please be respectful to your instructor and fellow classmates. Be mindful of how your actions will be perceived by those around you. Specifically, please turn phones off prior to class and do not text during class.

There is **ZERO** tolerance for academic dishonesty (i.e. cheating of any kind, including misrepresenting one's work, taking credit for the work of others)

Attendance and punctuality is crucial for this course. Students are expected to be present, prepared, and on time.

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Date	Section/Homework	Topics	HW Due
Aug 23	P.2 # 7,17,19,25,31,41,45,48,51,55,57,58,59,61 P.3 # 1,3,5,7,9,13,18,25,28,35,41,45,49,55, 56,66,83,85,86,87,95	Exponents Radical and Rational Exponents	Aug 30
Aug 25 & Aug 30	P.4 # 5,11,13,17,18,21,24,27,29,31,41,48,61,65, 75,77 P.5 # 5,7,17,21,25,29,35,39,41,49,57,59, 65,69,74,81,83 P.6 # 1,11,17,20,25,30,31,41,45,46,51,57	Polynomials Factoring Polynomials Rational Expressions	Sept 1
Sept 1	Test on Prerequisites Chapter		
Sept 8 & Sept 13	1.1 # 5,7,9,14,15,23,41,43,46,75-78 1.2 # 7,13,14,15,19,22,27,33,40,41,45,69,71,73,76 1.3 # 5,19,25-27,33,36,45	Graphing Functions Solving Linear and Rational Equations Models and Applications	Sept 20
Sept 15	1.4 # 1,3,5,9,10,13,16,19,21,24,28,31,35,37	Complex Numbers	Sept 20
Sept 20	1.5 # 1,3,5,6,7,9,10,15,21,65,69,71,75,77, 83-87,140,143	Quadratic Equations	Sept 27
Sept 22	1.6 # 1,3,4,5,9,10,11,15,19,23,25,31,33,41,55, 63,64,73	Other Types of Equations	Sept 27
Sept 27	1.7 # 5,8,11,17,19,29,33,41,48,51,55,65,71	Linear and Absolute Value Inequalities	Oct 4
Sept 29	2.1 # 5,9,29,37,55,57,59,61,63,79,82,89 2.2 # 1,12,13,35,37	Functions and Their Graphs More on Functions and Their Graphs	Oct 4
Oct 4	2.3 # 5,9,17,18,25,27,33,37,41,50,57 2.4 # 1,7,11,15,20,25	Linear Functions and Slope More on Slope	Oct 11
Oct 6	5.1 # 5,9,12,15,19,23,24,31,33,36	Systems of Linear Equations	Oct 11
Oct 11	Test on Chapter 1-2.4, 5.1		
Oct 13	2.5 # 17,19,21,23,25,27,29,31,53,57, 61,68,81,85,87	Transformations of Functions	Oct 18
Oct 18	2.6 # 9,11,19,27,33,36,53,56,60,67,69 2.7 # 3,9,15,20,23,29,31,33,39	Composite Functions Inverse Functions	Oct 25
Oct 20	2.8 # 3,13,23,27,33,37,41,47,53,56,59	Distance and Midpoint; Circles	Oct 25
Oct 25	3.1 # 5,6,11,13,14,17,25,29,31,65,69	Quadratic Functions	Nov 1
Oct 27	3.2 # 1,7,9,11,13,19,23,25,29,41a-c,e,43a-c,e, 57a-c,e	Polynomials	Nov 1
Nov 1	3.3 # 6,13,17,28,33 3.4 # 3,7,9,15,21,27(only 1st sentence), 29(only first sentence), 42,54	Dividing Polynomials Zeros of Polynomial Functions	Nov 8
Nov 3	3.5 # 3,5,23,29,31,33,49,54,63	Rational Functions and Their Graphs	Nov 8
Nov 8	3.6 # 1,5,15,29,35,42,47,53	Polynomial and Rational Inequalities	Nov 15

Nov 10	4.1 # 25,27,33,53,56,61	Exponential Functions	Nov 15
Nov 15	4.2 #1,3,5,7,9,11,13,15,17,19,21,25,29,31,33,37,	Logarithmic Functions	Nov 22
Nov 17	Chapter Review		
Nov 22	Test on Chapter 2.5-4.2		
Nov 29	4.3 #3,5,9,13,15,21,25,28,29,35,41,47, 51,55,61,65,69	Properties of Logarithms	Dec 6
Dec 1	4.4 #3,5,17,21,23,29,33,49,51,55, 59,63,67,71,79,80,85	Exponential and Logarithmic Equations	Dec 6
Dec 6	4.5 #1,3,5,15,35	Exponential Growth and Decay	Dec 8
Dec 8	Final Exam Review		
Dec 15	Final Exam(Comprehensive)		