

Math 116-011
308 TCCW
Time: TTH 2:20 – 3:40
3 credit hours

Instructor: Dr. Spraker Office: TCCW 332
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Office hours:

Monday and every other Friday: 8:55 – 10:20 Tuesday and Thursday: 10:55 – 2:20
Friday office hours will be held on Sept. 5, 19, Oct. 10, 24, and Nov. 7, 21.

(Other times by appointment or capture. Feel free to call or email me any time.)

General Information:

Welcome to college algebra! This is a course which carries general education credit and is the foundation for M117 as well as more advanced courses in other subjects. The material reinforces the skills of algebra, but the course moves rapidly. The best way to succeed in 116 is to keep up! Do the homework, attend class, and make use of my office hours. I am always glad to see you. If that were not so, I would not have chosen teaching as a profession. Office hours are your time not mine.

You are required to purchase a graphing calculator, preferably the **TI83 Plus**.

Prerequisites: The qualifications for Math 116 are High school Algebra I and II and satisfactory score on Math Placement Exam; or MATH 096 with a grade of C or better. (Student must enroll in MATH 116E if his/her: (1) Math 096 grade was a C; or (2) previous Math 116 grade was D, F, or W; or (3) Math ACT and MPE scores indicate need for enhanced version. Graphing and problem solving are integrated throughout the study of polynomial, absolute value, rational, radical, exponential, and logarithmic functions. (Graphing calculator required.)

IF YOU QUALIFY TO ENROLL IN MATH 116 AND YOU MEET ANY OF THESE CONDITIONS, YOU MUST SELECT SECTIONS NUMBERED 116E-020 – 116E-501.

- (1) MPE SCORE 14 OR HIGHER BUT MATH ACT SCORE BELOW 17**
- (2) MATH ACT SCORE 22 OR HIGHER BUT MATH ACT SCORE BELOW 17**
- (3) REPEATING MATH 116 TO REMOVE D, F, OR W**
- (4) RECEIVED A GRADE OF “C” IN MATH 100**
- (5) NEED EXTRA HELP IN MATH**

STUDENTS WILL NOT BE ALLOWED TO REMAIN IN CLASSES FOR WHICH THEY ARE UNQUALIFIED.

Attendance: There will be daily quizzes which you cannot make up. If I am notified ahead of time, I can arrange for a student to take a quiz or exam other than the final early. Always call me if you know that you will be absent. The drop date is Oct. 14th. If you are considering dropping the course, come see me first. Perhaps we can work out the difficulties. Occasionally, homework may be taken up without warning.

Test I:	Thursday,	September 25
Test II:	Thursday,	October 14
Test III:	Thursday,	November 13
Final Exam:	Friday,	December 12, 1:00 – 3:00

There will be 3 exams and a comprehensive final. Please refer to the make up policy in the attendance section.

Grading Policy:	3 Exams	50%
	Homework and quizzes	20%
	Final	30%

Math 116 Syllabus

Textbook: College Algebra: Graphs and Models W/Graph Calculators, 4th edition, 2009

Bittinger

Class Meetings.....MWF...40 days
TTh... 28 days

Chapter R: Basic Concepts of Algebra

Section R.1

R.2

R.3

R.4

R.5

R.6

R.7

Chapter 1: Graphs, Functions, and Models

Section 1.1

1.2

1.3

1.4

1.5

1.6

Chapter 2: Functions, Equations, and Inequalities

Section 2.1

2.2

2.3

2.4

2.5 (Variation Optional)

Chapter 3: Quadratic Functions, and Equations; Inequalities

Section 3.1

3.2

3.3

3.4

3.5

Chapter 4: Polynomial and Rational Functions

Section 4.1 (Polynomial Modeling Optional)

4.2

4.3

4.4

4.5

4.6

Chapter 5: Exponential and Logarithmic Functions

Section 5.1

5.2

5.3

5.4

5.5

5.6

Chapter 6/7: Systems of Equations

Section 6.1

7.4

6.2