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.)

(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

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