

Text: Elementary and Intermediate Algebra with MyLab 4/e, Woodbury	
Class meets: M-F, 8/13-12/14, 8:00-8:50; CCI 200	
Prerequisite: Math 201	Basic Skills Advisories: Eligibility for English 126

Description

This course will deal with many algebraic concepts including: equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections.

Expectations / Responsibilities

Instructor

- Motivate and inspire student success.
- Provide a classroom climate in which the student takes responsibility for learning.
- Provide instruction and model the quality of work to be successful in Math 103.
- Clearly communicate progress being made in a timely fashion.

Student

- Be the kind of student you would want your child to be.
- Follow the class rule – **Be Nice**.
- Be in each class **on time** with **full participation** from **start to finish**.
- Check **Canvas** and **study daily**.
- Learn the assigned material and **seek additional assistance** when necessary.
- All written work must be **neat, complete, concise and accurate** to receive full credit.
- Promptly **communicate** any class related issues and **follow up in person**.
- If you miss any class time it may be counted as an absence.
- Please see me at the end of class if you are tardy.

You may be dropped if:

- You violate the class rule.
- You are inactive on MyLab for three consecutive days.
- You do not attempt a test by its due date,
- You do not have PAID access to MyLab by Noon on Thursday, August 16, 2018.
- You miss a class before Friday, August 31, 2018.
- You miss consecutive classes before Friday, October 12, 2018.
- You miss a test before Friday, October 12, 2018.
- Your homework average is below 90% on Friday, October 12, 2018.
- Your test average is below 60% on Friday, October 12, 2018.

GRADE SCALE	A 90-100%	B 80-89%	C 70-79%	D 60-69%
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Homework	Quizzes	Tests
15%	15%	70%

*Grades may be accessed in MyLab.

Important Dates

August 13, 2018	MON	FIRST DAY OF SEMESTER
August 31, 2018	MON	FIRST DROP DEADLINE – Last day to ADD/DROP a class
October 12, 2018	MON	LAST DROP DEADLINE - Last day to DROP.
December 14, 2018	FRI	LAST DAY OF SEMESTER

*Dates are subject to change.

FALL 18	MON	TUE	WED	THU	FRI
8 – 9	Math 103 CCI 200	Math 103 CCI 200	Math 103 CCI 200	Math 103 CCI 200	Math 103 CCI 200
9 – 10	SCFT	Office Hour	Office Hour	Office Hour	Office Hour
10 – 11	Virtual Office Hour	Math 11 CCI 200	Math 11 CCI 200	Math 11 CCI 200	Math 11 CCI 200
11 – 12	SCFT	SCFT	SCFT	SCFT	SCFT
12 – 1	Lunch	Lunch	Lunch	Lunch	Lunch
1 – 2	Math 6 CCI 206	Math 6 CCI 206	Math 6 CCI 206	Math 6 CCI 206	Math 6 CCI 206

Finals Week Schedule				
MON 12/10	TUE 12/11	WED 12/12	THU 12/13	FRI 12/14
Math 103 CCI 200 8:00-10:00	Math 11 CCI 200 10:00-12:00	Math 6 CCI 206 1:00-3:00	Office Hour 9:00-10:00	Office Hour (CANVAS) 8:00-9:00

TESTING PROCEDURE

- 1) TEST INSTRUCTIONS will be provided IN-CLASS and/or by ANNOUNCEMENT prior to testing.
- 2) BE PROMPT and well-prepared to take the test.
- 3) Follow all in-class instructions.
- 4) NO PHONES allowed.
- 5) NO CALCULATORS without prior approval.
- 6) Tests must be completed in a single sitting before leaving the room.
- 7) The SCCCD policy regarding ACADEMIC DISHONESTY will be applied when appropriate.

Academic Dishonesty

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another’s work, supplying one’s work to another, giving or receiving copies of examinations without an instructor’s permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism is a specific form of cheating: the use of another’s words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on the particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

NOTE: If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act or section 504 of the Rehabilitation act please contact me as soon as possible.

Please refer to SCCCD policies for guidance on all matters relating to this course.

COURSE OBJECTIVES

In the process of completing this course, students will:

- A) use function notation and the properties of lines and linear inequalities.
- B) simplify radical expressions and perform operations on radical expressions.
- C) graph parabolas and solve quadratic equations.
- D) use the properties of exponents and logarithmic functions to change the base of a logarithm.
- E) generalize arithmetic and geometric sequences and find the k^{th} term of a binomial expansion.
- F) manipulate and graph equations of conic sections.

COURSE OUTLINE

- A. Equations and Inequalities in Two Variables
 - 1. Slope of a line
 - 2. The equation of a line
 - 3. Linear inequalities in two variables
 - 4. Algebra using function notation
- B. Rational Exponents and Roots
 - 1. Rational exponents
 - 2. Simplified form for radicals
 - 3. Addition, subtraction, multiplication, and division of radical expressions
 - 4. Equations with radicals
 - 5. Complex numbers
- C. Quadratic Functions
 - 1. Completing the square
 - 2. The quadratic function
 - 3. Graphing Parabolas
 - 4. Quadratic Inequalities
- D. Exponential and Logarithmic Functions
 - 1. Exponential Functions
 - 2. The Inverse of a function
 - 3. Logarithms and their properties
 - 4. Exponential equations and change of base
- E. Sequences and Series
 - 1. Arithmetic and geometric sequences
 - 2. Series
 - 3. Binomial Expansion
- F. Conic Sections
 - 1. Circle
 - 2. Ellipses and Hyperbolas
 - 3. Second-degree inequalities and non-linear systems