LAKES REGION COMMUNITY COLLEGE

379 Belmont Road
Laconia, NH 03246
(603) 524-3207

COURSE OUTLINE/SYLLABUS SHEET

- **COURSE NO:** MATH211L
- **COURSE TITLE:** College Algebra (Online**)**
- **CREDIT HOURS:** 4
- **SEMESTER:** Spring 2023 online and eStart
- **INSTRUCTOR NAME:** (Professor) Fran Seigle
- **E-MAIL ADDRESS:** fseigle@ccsnh.edu
- **OFFICE HOURS:** I will be meeting with students individually as you need help, mostly via Zoom (also available are the phone, text, and email) this term; notify me through email that you want help and we will set up a time that is convenient for you**.**

  All office hours this term will be through Zoom or phone or email. Please let me know right away if you want help and we'll set up a meeting. The sooner you get help, the sooner you will succeed!
- **PREREQUISITES:** LMAT1420 or MATH1420L (or equivalent) with a grade of C or better, or competence demonstrated on math placement exam.
- **COURSE DESCRIPTION:** This is a comprehensive course that includes the graphs and solutions of linear, radical and quadratic equations; graphs and solutions of linear, compound, absolute value, and nonlinear inequalities; systems of equations in 2 and 3 variables; rational exponents; an introduction to trigonometry. ***A grade of C or better must be achieved in this class to use it as a prerequisite for a subsequent class.***
- **TEXT/INSTRUCTIONAL MATERIALS:**
  Text: Online Access to Pearson's MyMathLab REQUIRED

- **GRADING:** The following criteria will determine your grade for the course:

Tests:	40%
Quizzes:	20%
Homework:	40%

The following grading scale will be used to assign your final grade:

A	93-100	B	83-86	C	73-76	D	63-66
A–	90-92	B–	80-82	C–	70-72	D–	60-62
B+	87-89	C+	77-79	D+	67-69	F	0-59

A grade of C or better must be achieved in this class to use it as a pre-requisite for a subsequent class.

Tests and Quizzes: Tests and quizzes are given as indicated on the schedule, covering all material from the indicated chapters. You are allowed 2 attempts on every quiz or test. Tests and quizzes not completed by the due date may be accessed and completed with a 10% grade deduction for late work. A grade of 0 will be entered for any missing assignments.

If you are not doing well on quizzes or tests, I will expect you to take steps to improve (such as meeting with a tutor, using the resources in the program, meeting with me via Zoom, etc.).

Homework: Your online program has numerous problems. You need to budget your time accordingly. It is very important that you ***read*** the sections online and use the media library in the program to help explain topics. Homework not completed by the due date may be accessed and completed with a 10% grade deduction for late work. A grade of 0 will be entered for any missing assignments.

Keep in mind that this may not be enough to give you an understanding. This is only a beginning! Homework alone will not provide adequate learning; you must do additional study and review if you wish to be successful in this class! Doing the homework is only the beginning of the learning process!

CHEATING: If I find that you have cheated at any time, you will automatically receive a grade of "F" for this course.

- **NEED FOR ASSISTANCE:** Often additional assistance is needed in a math class. I am available by appointment.
- **Free Tutoring:** tutoring is available through the Student Success Center. Tutoring can often make the difference between success and failure. If you think you are going to have difficulty in this class, make an appointment immediately with the Student Success Center for tutoring. Contact Kate Dockham, LRCCTutor@ccsnh.edu to schedule appointments.

- **ATTENDANCE POLICY:** It is my expectation that you will log into the program more than once a week. **Extended absence may result in your removal from the course.** If you fail to log into the program for 2 or more weeks, I may need to remove you from the course and record a grade of AF (Administrative Failure), which affects your GPA and future financial aid.

- **COURSE OUTCOMES/COMPETENCIES:**

  Course competencies: At the conclusion of this course, the student will be able to:
  * Solve complex linear equations
  * Use integral exponents and scientific notation
  * Evaluate and graph linear functions using multiple methods
  * Find the equation of a line
  * Graph the solution of inequalities in 2 variables
  * Solve systems of equations in 2 and 3 variables algebraically
  * Solve compound and absolute value inequalities
  * Perform basic operations on polynomial expressions (including long division)
  * Factor complex polynomial expressions, including the difference of two cubes
  * Find the domain of rational expressions
  * Perform operations on rational expressions
  * Simplify complex algebraic rational expressions
  * Solve problems containing rational functions
  * Solve problems containing rational exponents
  * Simplify and perform multiple operations on radical expressions, including rationalizing the numerator or denominator
  * Solve problems containing complex numbers
  * Solve radical equations
  * Solve quadratic equations by formula, factoring, or completing the square
  * Graph quadratic functions using vertical and horizontal shifts
  * Use the basic three trigonometric functions to solve problems involving right triangles

- **EXPECTATIONS:** The following will be expected from all students:

  * Behave in an ethical manner (all work is your own, use legitimate resources, do not abuse absences, etc.)
  * Complete assignments in a timely manner. When deadlines are given, meet them; do not procrastinate.
  * Conduct yourself appropriately for a college online learning environment.
  * Use a variety of sources (text, teacher, videos, computer programs, alternate books, other students when appropriate, etc.) to achieve proficiency in the course competencies. Remember, it is your responsibility to learn the material.

It is my hope that this course meets your every expectation as a challenging, engaging, respectful learning experience. If you find this not to be the case, I would welcome the opportunity to address your concerns. This is not only a courtesy; it is a matter of process and procedure outlined in the LRCC Student Handbook. Should we fail to arrive at a mutually satisfactory understanding, you should refer the matter to my immediate supervisor, Matt Simon, msimon@ccsnh.edu

Diversity, Equity and Inclusion Statement

The content of this course is designed to challenge your viewpoints and perspective as part of your learning experience. It is my intent that students from all backgrounds and perspectives are well-served by this course. Students' learning needs will be addressed both in and out of class, and the diversity of students will benefit the class and will be considered a resource and strength. Materials and activities presented in class will respect diversity including: gender identity, sexuality, disability, age, socioeconomic status, ethnicity, race, nationality, religion, and culture.

· Discuss privately with me if you feel your success in the class is being impacted by experiences outside of class. I am always open to listening to students' experiences and want to find acceptable ways to process and address the issue.

· If you feel that something offensive occurred regarding DEI topics in class (by anyone) that made you feel uncomfortable, please let me know.

· Please make me aware if you have a name and/or set of pronouns that are different from those appearing on your official records.

· I encourage you to seek out other resources, such as an academic advisor or another trusted faculty member, if you feel more comfortable addressing issues with these individuals. Anonymous feedback can be submitted here.