



## Course Syllabus

- **Course Number:** MATH211L

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- **Course Title/Modality:** College Algebra - Online

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- **Credit Hours:** 4

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- **Semester:** Fall 2025

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- **Faculty Name:** Professor Julie Morin

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- **Phone/Email Address:** (603) 366-5233/ [jmorin@ccsnh.edu](mailto:jmorin@ccsnh.edu)

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- **Office Location:** Turner Building 208a, (at the back of 208)

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- **Office Hours:** Tues: 11-1 & Wednesday 12-3: Sometimes additional time or one-on-one assistance is needed. The instructor is normally available during the conference hours listed above, or you may make an appointment with the instructor for other times.

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- **Prerequisites:** LMAT1420 or MATH1420L (or equivalent) with a grade of C or better, or competence demonstrated on math placement exam.

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- **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 here at the College.*

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- **Text/Instructional Materials and Equipment Required:** OpenStax texts, *Intermediate Algebra 2e* and *Algebra and Trigonometry 2e* will be used. These texts are open educational resources; students will have links to online and print versions in Canvas. Access to Lumen OHM, a graphing calculator, and technology (laptop or computer) to effectively use OHM. Each are described below:
  - ✓ Lumen OHM, **You are required to purchase an access code which is only available from our campus bookstore.** Temporary free access is available for 14 days. See Canvas course site for access code details. Note: this is a low-cost text, approximate cost is \$40
  - ✓ A **graphing** calculator is required; you may use an online scientific calculator like Desmos or the TI84; a handheld TI graphing calculator is also a good choice.
  - ✓ While Canvas and OHM are available on handheld devices, students are expected to have reliable access to a computer with high-speed internet access to complete course work. Lumen OHM is optimized for the latest and second latest version of the major browsers.
  - ✓ For technical support with Lumen email [support@lumenlearning.com](mailto:support@lumenlearning.com) for Canvas or LRCC accounts email [LRCCITSupport@ccsnh.edu](mailto:LRCCITSupport@ccsnh.edu)

**This online course has due dates every Thursday and Sunday; see schedule on last page as well as in weekly Canvas modules.**

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

Midweek Check Ins/Discussion & Practice	10%
Homework:	20%
Weekly Review Quizzes:	10%
Unit Exams:	45%
Final Exam:	15%

Please read the information below and reach out to the instructor if you need clarification. All assignments are accessed through the Canvas modules.

**Midweek Check Ins/Discussions and Practice Sets** are designed to encourage consistent engagement and deeper understanding of weekly topics. Students are expected to complete these assignments no later than Day 4 each week through the weekly Canvas module. **No make-up assignments will be given; no late assignments are accepted; however, 1 low grade will be dropped.**

**Homework** - Students are expected to complete the assignments according to the due dates shown in Canvas. The homework is set up so that students can attempt each problem multiple times to demonstrate mastery. You have unlimited attempts on these homework problems up to the due dates. **One low grade will be dropped in this category, late passes are allowed on these assignments.**

**Weekly Review Quizzes** will be given, and two attempts are allowed on each quiz. The higher grade is the one that will be counted in the final course grade. **One low grade will be dropped in this category, late passes are allowed on these assignments.**

**There are 3 Unit Exams** that cover multiple modules and a **comprehensive Final Exam**. Students are expected to complete exams by due dates. One attempt is allowed on each exam. All exam grades are included in the final course grade.

**Late Work Policy:** Weekly completion of assignments is critical to student success. Each student has been given 5 Late Passes within Lumen OHM which may only be used for weekly homework and quizzes. A Late Pass enables access to an assignment past the due date. Late work will only be accepted for two weeks past the due date; after that time has passed a 0 will be entered in the gradebook. Occasionally, a situation may arise that requires an exception; reach out to the instructor right away if you are requesting an exception.

**Attendance/Participation Policy:** It is my expectation that you will complete work each week according to the schedule posted in Canvas. If an absence is unavoidable, contact me as soon as you possibly can via phone or email. I will do my best to help you determine how best to stay on track in the course.

**Extended absence may result in a removal from the course.** If you miss class for 2 consecutive weeks and do not contact me within that timeframe I will notify a campus counselor who may reach out to you. If after 2 weeks you do not contact me, I will remove you from the course and record a grade of AF (Academic Failure). An AF may affect financial aid; therefore, it is critical for you to maintain communication with the instructor so that if you encounter difficulties, I can help you to make an informed decision regarding withdrawal or participation.

Final course grades are assigned on the following basis:

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

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**NEED FOR ASSISTANCE: It is the student's responsibility to be aware of their progress and initiate a request for help.** The instructor is normally available during the conference hours listed above, or you may request an appointment for other times. Free tutoring is available for students enrolled in courses at LRCC. Students needing tutoring services should email Christina Finemore, [cfinemore@ccsnh.edu](mailto:cfinemore@ccsnh.edu), to request a tutor.

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**Course Learning Outcomes/Competencies:** At the conclusion of this course, the students will be able to:

1. Solve complex linear equations
  2. Solve compound and absolute value inequalities
  3. Evaluate and graph linear functions using multiple methods
  4. Find the equation of a line
  5. Graph the solution of inequalities in 2 variables
  6. Solve systems of equations in 2 and 3 variables algebraically
  7. Use integral exponents and scientific notation
  8. Perform basic operations on polynomial expressions (including long division)
  9. Factor complex polynomial expressions, including the difference of two cubes
  10. Find the domain of rational expressions
  11. Perform operations on rational expressions
  12. Simplify complex algebraic rational expressions
  13. Solve problems containing rational functions
  14. Solve problems containing rational exponents
  15. Simplify and perform multiple operations on radical expressions, including rationalizing the numerator or denominator
  16. Solve problems containing complex numbers
  17. Solve radical equations
  18. Solve quadratic equations by formula, factoring, or completing the square
  19. Graph quadratic functions using vertical and horizontal shifts
  20. Use the basic three trigonometric functions to solve problems involving right triangles
- **Academic Integrity, Cheating, and Plagiarism**  
Honesty is expected of all LRCC students. In academic matters this includes the submission of work that clearly indicates its sources. Dishonest acts include cheating and plagiarism, as well as other forms of academic misconduct.

**Cheating** is defined as copying or otherwise using material from others, or using sources not approved by faculty.

**Plagiarism** is defined as using the work (ideas, words, artwork, etc.) of another person as one's own. The failure to cite sources or the extensive use of others' work in written material are the most common types of plagiarism.

Cheating, plagiarism, and other forms of academic misconduct are considered serious disciplinary matters and are subject to the same penalties and procedures as other LRCC disciplinary matters. Students should be aware that penalties levied in substantiated cases of cheating or plagiarism may include, but are not limited to, the issuance of a grade of F, which may in turn lead to delay of graduation. Repeated offenses may lead to dismissal from a program or from the college.

Refer to the Academic Honesty Policy in the Student Handbook.

- **Non-Discrimination Policy**

Lakes Region Community College does not discriminate in the administration of its admissions and educational programs, activities, or employment practices on the basis of race, color, religion, national origin, age, sex, disability, gender identity and expression, genetic information, veteran status, sexual orientation, or marital status. This statement is a reflection of the mission of the Community College System of New Hampshire and LRCC and refers to, but is not limited to, the provisions of the following laws:

- Titles VI and VII of the Civil Rights Act of 1964
- The Age Discrimination Act of 1967
- Title IX of the Education Amendment of 1972
- Section 504 of the Rehabilitation Act of 1973
- The Americans with Disabilities Act of 1990 (ADA)
- Section 402 of the Vietnam Era Veteran's Readjustment Assistance Act of 1974
- NH Law Against Discrimination (RSA 354-A)
- NH Law RSA 188-F:3-a
- Genetic Information Nondiscrimination Act of 2008

LRCC degree, certificate, and career training programs are designed to meet the educational and workforce needs of the Lakes Region. Career and Technical Education (CTE) opportunities will be offered regardless of race, color, religion, national or ethnic origin, age, sex, sexual orientation, marital status, disability, gender identity or expression, genetic information, or veteran status. LRCC reduces barriers to future career and educational opportunities for area residents by helping them upskill with general academic and technical education, as well as customized business and industry training. View the CTE program details at [LRCC.edu](http://LRCC.edu).

Inquiries regarding discrimination may be directed to Laura LeMien, Associate Vice President of Academic & Student Affairs and Title IX Coordinator, at [LLeMien@ccsnh.edu](mailto:LLeMien@ccsnh.edu)

It is my hope that this course meets your every expectation as a challenging, engaging, and 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. Should we fail to arrive at a mutually satisfactory understanding, you should take the matter to my immediate supervisor, Matthew Simon at [msimon@ccsnh.edu](mailto:msimon@ccsnh.edu).

**College Algebra (MATH211L)– Class Schedule Fall 2025 - 100% ONLINE**  
**Always refer to Canvas for the most up-to-date list of assignments.**

<b>Week</b>	<b>Date</b>	<b>Topics</b>	<b>Assignments/Assessments</b>	<b>Targeted Outcomes</b>
1	Aug. 25- Aug. 31	Course Orientation Review prerequisite skills as needed	Complete Getting Started Module, Read Syllabus, Set up Access to Lumen OHM, Complete OHM Student Assignment Tutorial, Week 1 Quiz	
2	Sept. 1 – Sept. 7	Solving Linear and Absolute Value Equations, Multi-step Inequalities and Compound Inequalities	Readings: OpenStax 2.1-2.7 Practice Problems: Multi-Step Linear Equations, Problem Solving, Single and Multi-Step Inequalities, Compound Inequalities, Week 2 Quiz	1, 2
3	Sept. 8 – Sept. 14	Graphing Linear Equations, Writing equations of lines	Readings: OpenStax 3.1-3.4 Practice Problems: Graph Linear Equations, Slope of a Line, Writing Equations of Lines, and Graph Linear Inequalities, Week 3 Quiz	3-5
4	Sept. 15- Sept. 21	Function Notation and Graphs of Linear Functions and Linear Inequalities	Unit 1 Exam Readings: OpenStax 3.4- 3.6 Practice Problems: Functions and their Notation, Graphs of Functions, Domain and Range Week 4 Quiz	1-5
5	Sept 22- Sept 28	Systems of 2 and 3 Linear Equations and Linear Inequalities	Readings: OpenStax 4.1-4.4, 4.7 Practice Problems: Solve Systems in 2 Variables, Systems of Equations in 3 Variables, Systems of Linear Inequalities, Week 5 Quiz	6
6	Sept 29- Oct. 5	Properties of Integral Exponents and Scientific Notation	Unit 2 Exam Readings: Open Stax 5.2 Practice Problems: Exponent Rules, Scientific Notation, Week 6 Quiz	6, 7
7	Oct 6- Oct12	Polynomials and Polynomial Functions	Readings: Open Stax 5.1, 5.3, 5.4 Practice Problems: Algebraic Operations on Polynomials, Polynomial Functions, Week 7 Quiz	8
8	Oct 13 – Oct 19	Factoring and Polynomial Equations	Readings: Open Stax 6.1-6.5 Practice Problems: Factor Trinomials, Special Cases, Polynomial Equations, Week 8 Quiz	9
9	Oct 20- Oct 26	Rational Expressions and Equations	Readings: Open Stax 7.1-7.5 Practice Problems: Operations on Rational Expressions, Rational Equations, Week 9 Quiz	10-13
10	Oct 27 - Nov 2	Introduction to Roots and Radicals	Unit 3 Exam Readings: Open Stax 8.1 – 8.3 Practice Problems: Simplify Expressions with Roots and Rational Exponents, Week 10 Quiz	14
11	Nov 3 - Nov 9	Operations on Radical Expressions and Solving Radical Equations	Readings: Open Stax 8.4 – 8.7 Practice Problems: Algebraic Operations with Radical Expressions, Radical Equations, Week 11 Quiz	15, 17
12	Nov 10 - Nov 16	Quadratic Equations and Complex Numbers	Readings: Open Stax 8.8, 9.1-9.7 Practice Problems: Quadratic Equations, Imaginary and Complex Numbers, Classify Solutions to Quadratic Equations Week 12 Quiz	16, 18, 19
13	Nov 17– Nov 23	Right Triangle Trigonometry	Readings: Practice Problems: Week 13 Quiz	20
14	Nov 24- Nov 30		Unit 4 Exam	
15	Dec 1- Dec 7		Final Exam	