

City College of CUNY

MATH 19000 1XB

Summer 2025

Instructor: Mr. Chun S. Park**Office:** (NAC-1/511);**Phone:** (212) 650-5346**e-mail:** cpark@ccny.cuny.edu**Office hours:** Mondays, Tuesdays, Wednesdays: 12:30PM-1:30PM in (NAC-1/511)**Text:** Stewart, Redlin, Watson *Algebra and Trigonometry, 4th ed., Cengage*
<https://openstax.org/books/intermediate-algebra-2e/pages/1-introduction>**Additional material:** Exercise book will be distributed on 1st week of the class.**Link to Free Tutoring:** <https://math.sci.ccny.cuny.edu/page/tutoring/>**Link to Math 190 Webpage:** <https://math.sci.ccny.cuny.edu/course/math-19000/>**Statement on Academic Integrity:**

All work submitted for this course should be your own unless explicitly stated or acknowledged by you. This course follows the CUNY Policy on Academic Integrity. All violations will be pursued through the appropriate campus mechanisms.

Link to CUNY Academic Integrity Policy: <https://www.ccny.cuny.edu/about/integrity>**Exam Schedule:** There will be 5 in-class exams. In addition There will be a Final Exam scheduled after the last day of classes. Exam schedule and sections covered in the exam are posted on my web page <https://math.sci.ccny.cuny.edu/page/math-19000-2023/>

For in-class exams and Final Examination, I'll be collecting your ID card and will return it when you submit your examination. The duration for in-class exams is about 50 minutes and the Final Examination is 135 minutes (2 hours and 15 minutes).

Grades: Final grade will be composed 60% of in-class exams, and 40% of your final exam. You will need to be present in class in order to receive grade for in-class exams and Final Exam; there will be no make up exam or quiz.

| Letter Grade | Grading Scale | | | | | | | | | | |
|--------------|---------------|-------|-------|-------|-------|-------|-------|-------|---------|-------|------|
| | Passing | | | | | | | | Failing | | |
| | A+ | A | A- | B+ | B | B- | C+ | C | C- | D | F |
| % | 97-100 | 95-96 | 90-94 | 87-89 | 84-86 | 80-83 | 77-79 | 74-76 | 70-73 | 60-69 | 0-59 |
| GPA | 4.00 | 4.00 | 3.66 | 3.33 | 3.00 | 2.66 | 2.33 | 2.00 | 1.66 | 1.00 | 0.00 |

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|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------------|
| Exam #1 Th. 06/12/2025 | Exam#2 W. 06/18/2025 | Exam #3 Th. 06/26/2025 | Exam #4 Th. 07/10/2025 | Exam #5 Th. 07/17/2025 | Final Exam Th. 07/24/2025 |
|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------------|

See back of this page of for amounts of topics that will be covered in this course.

MATH190 Syllabus**Text: Openstax Intermediate Algebra**

| Sections | Topics |
|----------------------|--|
| Chapter One | Foundations |
| Section 1.1 | Use the Language of Algebra |
| Section 1.2 | Integers |
| Section 1.3 | Fractions |
| Section 1.5 | Properties of Real Numbers |
| Chapter Two | Solving Linear Equations |
| Section 2.1 | Use a General Strategy to Solve Linear Equations |
| Section 2.3 | Solve a Formula for a Specific Variable |
| Section 2.5 | Solve Linear Inequalities |
| Section 2.6 | Solve Compound Inequalities |
| Section 2.7 | Solve Absolute Value Inequalities |
| Chapter Three | Graphs and Functions |
| Section 3.1 | Graph Linear Equations in Two Variables |
| Section 3.2 | Slope of a Line |
| Section 3.3 | Find the Equation of a Line |
| Section 3.5 | Relations and Functions |
| Section 3.6 | Graphs of Functions |
| Chapter Four | Systems of Linear Equations |
| Section 4.1 | Solve Systems of Linear Equations |
| Chapter Five | Polynomials and Polynomial Functions |
| Section 5.1 | Add and Subtract Polynomials |
| Section 5.2 | Properties of Exponents |
| Section 5.3 | Multiply Polynomials |
| Section 5.4 | Dividing Polynomials |
| Chapter Six | Factoring |
| Section 6.1 | Greatest Common Factor and Factor by Grouping |
| Section 6.2 | Factor Trinomials |
| Section 6.3 | Factor Special Products |
| Section 6.5 | Polynomial Equations |
| Chapter Seven | Rational Expressions and Functions |
| Section 7.1 | Multiply and Divide Rational Expressions |
| Section 7.2 | Add and Subtract Rational Expressions |
| Section 7.3 | Simplify Complex Rational Expressions |
| Section 7.4 | Solve Rational Equations |
| Section 7.6 | Solve Rational Inequalities |
| Chapter 8 | Roots and Radicals |
| Section 8.1 | Simplify Expressions and Roots |
| Section 8.2 | Simplify Radical Expressions |
| Section 8.3 | Simplify Rational Exponents |
| Section 8.4 | Add, Subtract, and Multiply Radical Expressions |
| Section 8.5 | Divide Radical Expressions |
| Section 8.6 | Solve Radical Equations |
| Section 8.7 | Use Radical Functions |
| Chapter Nine | Quadratic Equations and Functions |
| Section 9.1 | Solve Quadratic Equations Using the Square Root Properties |
| Section 9.2 | Solve Quadratic Equations by Completing the Square |
| Section 9.3 | Solve Quadratic Equations Using the Quadratic Formula |
| Section 9.6 | Graph Quadratic Functions Using Properties |
| Section 9.8 | Solve Quadratic Inequalities |