

JAMESTOWN COMMUNITY COLLEGE
State University of New York

MASTER COURSE SYLLABUS

Course Title: Intermediate Algebra

Course Abbreviation and Number: MAT 0600

Credit Hours: 3 imputed

Course Type: Lecture

Course Description: Students will learn basic algebraic skills necessary for further study in mathematics and many other disciplines which involve quantitative problems. Topics include polynomial arithmetic, factoring, rational and radical equations and expressions, properties of rational exponents, solutions to quadratic equations, and unit analysis. Problem-solving and applications are emphasized.

Prerequisite: MAT 0500 or placement exam.

Student Learning Outcomes:

Students who demonstrate understanding can:

1. Factor polynomials
 2. Simplify polynomial, rational and radical expressions
 3. Simplify expressions using rules of rational exponents
 4. Solve quadratic, rational and radical equations
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Topics Covered:

- Exponents and Polynomials
 - Factoring Polynomials
 - Rational Expressions
 - Basics of functions
 - Radicals, Radical Functions, and Rational Exponents
 - Quadratic Equations and Functions
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Information for Students

- Expectations of Students
 - Civility Statement (<http://www.sunyjjc.edu/current-students/classroom-civility>)
 - Student Responsibility Statement (<http://www.sunyjjc.edu/academics/student-responsibility>)
 - Academic Integrity (<http://www.sunyjjc.edu/faculty-staff/academic-integrity>)
- Disability/Special Services
 - Any student who requires accommodations to complete the requirements and expectations of this course because of a disability should make their needs known to the Coordinator of Accessibility Services, 716.338.1251.
- Emergency Closing Procedures (<http://www.sunyjjc.edu/student-life/campus-safety/jcc-alert>)
- Course grade is determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

A=4.0	B+=3.5	B=3	C+=2.5	C=2	D+=1.5	D=1	F=0
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- Veterans and active duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.
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Effective Date: Fall 2019