

JAMESTOWN COMMUNITY COLLEGE
State University of New York

MASTER COURSE SYLLABUS

Course Title: Prealgebra

Course Abbreviation and Number: MAT 0400

Credit Hours: 3 imputed

Course Type: Lecture

Course Description: Students will improve their basic mathematical skills. Topics include integers, real numbers, fractions, decimals, percent's, and ratios and proportions. Applications are emphasized throughout to help students improve their ability to handle everyday mathematics. Students are introduced to variables and other elementary algebra topics throughout the course in preparation for MAT 0500.

No requisites.

Student Learning Outcomes:

Students who demonstrate understanding can:

1. Perform arithmetic computations using integers, fractions, decimals, percentages, and ratios
2. Translate word problems or expressions into mathematical representations
3. Solve linear equations in one variable
4. Perform computations using the Order of Operations

Topics Covered:

- Whole Numbers and Introduction to Algebra
- Integers and Introduction to Solving Equations
- Solving Equations and Problem Solving
- Fractions and Mixed Numbers
- Decimals
- Ratio, Proportion, and Triangle Applications
- Percent

Information for Students

- Expectations of Students
 - Civility Statement (<http://www.sunyjsc.edu/current-students/classroom-civility>)
 - Student Responsibility Statement (<http://www.sunyjsc.edu/academics/student-responsibility>)
 - Academic Integrity (<http://www.sunyjsc.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.sunyjsc.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.

Effective Date: Fall 2019