JAMESTOWN COMMUNITY COLLEGE
State University of New York

INSTITUTIONAL COURSE SYLLABUS

Course Title: Applied Math for Technology I

Course Abbreviation and Number: MAT 1210   **Credit Hours:** 3   **Course Type:** Lecture

Course Description: Students will learn how to solve technology-related problems using algebra, geometry, and trigonometry. Special emphasis will be placed on applications to machinist work, welding, and similar disciplines. This course is designed to meet the specialized needs of students in technology-related disciplines and is not recommended for engineering or mathematics majors.

Prerequisite: MAT 0550 or higher, or placement.

Student Learning Outcomes:

Students who demonstrate understanding can:
1. Apply algebraic techniques to solve problems typically seen in technology-related disciplines
2. Solve problems involving geometric objects and properties
3. Use trigonometry to solve problems seen in technology-related disciplines

Topics Covered:
- Algebra Operations
- Geometry
- Factoring
- Functions and graphs
- Trigonometric functions
- Trigonometric functions of any angle
- Additional topics in trigonometry

Information for Students
- Expectations of Students
    - Civility Statement
    - Student Responsibility Statement
    - Academic Integrity Statement
- Accessibility Services
  Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Coordinator.
- Get Help: JCC & Community Resources
- Emergency Closing Procedures
- 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

- 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 2021