



Course Syllabus Intermediate Algebra: MAT 120

Faculty Name:	
Course Information:	INTERMEDIATE ALGEBRA: MAT 120
Course Section, Term and Year:	
Course Meeting Times & Location:	

Contact:

Phone Number:	
Office Location:	
Email address:	
Enter days/time you are available to meet with students.	

Netiquette

Respect the diversity of opinions among the instructor and classmates and engage with them in a courteous, respectful, and professional manner. All posts and classroom communication must be conducted in accordance with the student code of conduct. Think before you push the Send button. Did you say just what you meant? How will the person on the other end interpret the words?

Communication:

Faculty Communication with Students:

Discuss how faculty will contact students.

Student Communication with Faculty:

Discuss how students will contact faculty when they have questions or concerns.

Course Description:

MAT 120 Intermediate Algebra

4-0-4

This course is designed for students who have had a minimum of high school mathematics and wish to enroll later in MAT 130 or MAT 140. Topics include absolute value equations and inequalities; second degree (quadratic) equations, inequalities, graphs, and applications; relations and functions; rational expressions, equations, inequalities, and applications; radical expressions and equations; and complex numbers. *Not open to students who have a "B" or better in Algebra 2 and Trigonometry or its equivalent. Not open to students who have taken Precalculus or higher. Prerequisite: Grade of "C" or above in MAT 040, placement by academic advisor, or permission of Instructor. General Education: M.*

Course Learning Outcomes:

Students will be able to:

- Solve quadratic (second degree) equations and inequalities in one variable and their applications.
- Graph quadratic functions and solve their applications.
- Perform operations and solve equations, inequalities, and applications involving rational expressions.
- Perform operations and solve equations involving radicals

General Education Learning Outcomes:

Students will demonstrate mathematical skills and quantitative reasoning including the ability to

- interpret and draw inferences from mathematical models such as formulas, graphs, tables and schematics;
- represent mathematical information symbolically, visually, numerically, or verbally as appropriate; and
- employ quantitative methods such as, arithmetic, algebra, geometry, or statistics to solve problems.

Program Learning Outcomes:

n/a

Course Resources:

Textbook:	Enter title, edition, author, ISBN for required text.
Materials:	Enter all additional required materials and tools needed to complete course here.
Access:	List access codes needed for websites or other software. .

Course Policies:

Click here to describe how students will participate in your class. Include policies regarding missed exams, makeup exams, extra credit assignments, late assignments, missed assignments, etc.

Course Delivery:

Course Content:

Lecture Format:

Student Expectations specific to this course:

Course Outline and Schedule

Grading Method:

Click here to enter a clear explanation of how students will be evaluated, including a description of course assessments and a statement of the assessment process and measurements. Include weight/percentages for quizzes, exams, papers, projects, homework, attendance, participation, etc.

Grading Scale:

Letter	Grade Range
A	Enter range for A.
A-	Enter range for A-.
B+	Enter range for B+
B	Enter range for B.
B-	Enter range for B-
C+	Enter range for C+.
C	Enter range for C.
D	Enter range for D.
F	Enter range for F.

Earn an FMCC Micro-credential Badge:

Check this link to see if this course meets a requirement for an FM Micro-credential Badge:
<https://www.credly.com/organizations/fulton-montgomery-community-college/badges>