Intermediate Algebra Support is a recitation class designed to provide additional instructional time for students enrolled in or repeating MAT-160.

1 credit (non-degree), 1 hour

A grade of C or better in MAT-032 or 035 or 048, Algebra, or by testing.

MAT-160

Upon successful completion of this course, students will be able to:

1. Solve equations in one variable, including linear, quadratic, quadratic in form, and those containing rational expressions, radicals, or absolute value;
2. Identify the differences between functions and relations;
3. Evaluate functions and perform operations with functions;
4. Factor algebraic expressions;
5. Simplify arithmetic and algebraic expressions including those containing rational expressions, rational exponents, radicals, or complex numbers;
6. Solve inequalities in one variable including linear, quadratic and those containing absolute value;
7. Graph linear, quadratic, logarithmic and exponential functions;
8. Find the equations of lines, parabolas and circles given certain conditions, and apply this knowledge to concrete applications.

Each student is required to keep a class-folder for this course. The class-folder should contain:

- This course outline;
- Class-folder due dates sheet;
- Hand-outs from this class;
- Graded assignments, quizzes, tests;
- Your weekly journal entry;
- Your weekly assignment.

You are required to hand in this class-folder each week, at least twenty-four hours prior to the class meeting time.
**Record of Grades:** When an assignment, quiz, or test is returned to you by your MAT-160 instructor, record your grade on this item on the class-folder due dates sheet. When you complete corrections to the graded item, attach the corrections to the graded item and place these papers in your class-folder.

**Weekly Journal Entry:** Each student is to keep a weekly journal. Your weekly journal entry must include:
- A brief description of the material covered in your MAT-160 class during the past week.
- A brief description of those topics where you are having difficulties, with an example of the type of problem that causes difficulties, specifically indicating the point at which the difficulty arises.

**COURSE GRADE:** Students should refer to the instructor’s grading and attendance policy which will be distributed during the first meeting of the class.


**EXTRA HELP:**

The Cerullo Learning Assistance Center in L-125, provides one-on-one and small group tutoring assistance. A schedule of the Center’s activities is posted on the bulletin board outside the Center. The office may be reached by telephone: 201-447-7489.

The Math and Science Walk-In in L-131, is for students to work on assignments or study for exams. Tutors and/or faculty may be available for assistance.

The Online Tutoring is provided by Smarthinking. Applications for this service are available in the Cerullo Learning Assistance Center Homepage or L-125.

**ELECTRONIC DEVICES:** The Department of Mathematics prohibits the use of cell-phones, PDA’s, laptops, headphones, IPODs and other such devices in mathematics classes unless otherwise specified in the grading policy provided by the instructor at the beginning of the semester.

**FACULTY ABSENCE PROCEDURE:** CLASS CANCELLATIONS may be found at [http://www.bergen.edu/classcancellations](http://www.bergen.edu/classcancellations). A list is also posted in a glass case near A-129, the main corridor on the first floor and in Ender Hall. If a cancelled class is not listed, it should be reported to the Department Office (A-327) or the Adjunct Office (C-107).

**WEBSITE:** Go to [http://www.bergen.edu/academics/academic-divisions-departments/mathematics](http://www.bergen.edu/academics/academic-divisions-departments/mathematics) for more information regarding the Mathematics Department.

**STUDENT SUPPORT SERVICES:**
- **Learning Assistance Center** Room: L-125 879-7489
- **Math and Science Walk-In** Room: L-131 879-7489
- **Office of Specialized Services** Room: L-115 612-5269

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