MATHEMATICS 0481
Foundations for College Mathematics I
5 credit hours

This is an information sheet only, not the course syllabus.

**COURSE DESCRIPTION**
Topics from elementary algebra: sets of numbers, operations with real numbers, variables, integral exponents, scientific notation, simplification of algebraic expressions, solving linear equations and inequalities in one variable, graphing linear equations, writing equations of lines, solving linear inequalities in two variables, solving systems of linear equations in two or more variables, applications, problem solving, operations with polynomials, factoring polynomials, and solving equations using factoring. Prerequisite: Mathematics 0460 or college equivalent with a grade of C or better or a qualifying score on the mathematics placement test. (5 lecture hours)

**Instructor Note:** This course is not an IAI approved general education course. Solving word problems will be emphasized throughout the course.

**ALL EXAMS ARE TO BE TAKEN IN PERSON AT COD’s TESTING LAB OR AN APPROVED PROCTORING SITE**

**REQUIRED AND RECOMMENDED COURSE MATERIALS**
Please follow the instructions below to locate information on the textbook and other materials for this course.

1. From [COD home page](#), click on myACCESS.
2. Click on Search for Credit Classes.
3. From the Term drop-down box select the term.
4. Choose your course from the Subjects drop-down menu.
5. In the Course # field, enter your course number.
6. In the Section field, enter the course section number if known.
7. From the Course Types drop-down menu select Internet/Online.
8. Scroll to the bottom of the page and click on SUBMIT.
9. Click on the Section Name and Title link.
10. Click on Click here for prices of required textbook(s) and supplies and course material information will be displayed.

Alternatively, you can visit the [COD Bookstore](#) website to find this information.

**Required Website Access:** ConnectMath access is required for this course. More information can be found in the syllabus and other information sheets. This website will be used to view video lectures, complete homework, and take quizzes and tests.

**Calculators:** Calculator use is NOT allowed in this course.
COURSE OUTLINE

<table>
<thead>
<tr>
<th>Unit #</th>
<th>Chapters</th>
<th>Topics Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ch 1, 2</td>
<td>The Real Number System and Geometry, and Variables and Exponents</td>
</tr>
<tr>
<td>2</td>
<td>Ch 3</td>
<td>Solving Linear Equations and Inequalities, Applications</td>
</tr>
<tr>
<td>3</td>
<td>Sections 4.1 – 4.5, 9.3 and Ch 5</td>
<td>Linear Equations and Inequalities in Two Variables, Solving Systems of Linear Equations</td>
</tr>
<tr>
<td>4</td>
<td>Ch 6, 7</td>
<td>Polynomials, Factoring Polynomials</td>
</tr>
</tbody>
</table>

EVALUATION/GRADING

This course has been divided into 4 units that cover approximately 7 chapters of your textbook. In each unit you are expected to read the assigned sections in the textbook, complete the homework assignments in ConnectMath, take the quizzes in ConnectMath, and then take the test in an approved testing center. Approximately half-way through the course you will take a midterm exam covering Chapters 1 – 3. To end the course, you will take a final exam that will cover everything you have learned during the semester.

You should also know that:
- The homework and quizzes are completed in ConnectMath and can be done in a non-proctored setting.
- The tests must be taken in a previously approved testing center.
- The Midterm and Final Exams must be taken in a previously approved testing center.

Grades are calculated using a percentage method.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>5%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>4 Tests</td>
<td>48%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>12%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
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SATISFACTORY/FAIL OPTION

The S/F grade option is available to students in this course. Contact the instructor or refer to the syllabus for details and conditions.

INCOMPLETE GRADE POLICY

The incomplete grade option is not available to students of this course.