



Course Number and Title: MAT 005 Basic Mathematics

Campus Location:

Georgetown, Dover, Stanton, Wilmington

Effective Date:

2018-51

Prerequisite:

SSC 100 or concurrent

Co-Requisites:

None

Course Credits and Hours:

1.00 credits

1.00 lecture hours/week

0.00 lab hours/week

Course Description:

This course is a review of whole number arithmetic.

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:

None

Schedule Type:

Classroom Course

Hybrid Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Solve applied problems using whole numbers. (CCC 6)
2. Perform order of operations using whole numbers. (CCC 6)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Solve applied problems using whole numbers.
 1. Read and write whole numbers.
 2. Add, subtract, multiply, and divide whole numbers.
 3. Round whole numbers to a specified place value.
 4. Estimate sums, differences, and products of whole numbers by rounding.
 5. Identify factors of whole numbers.
 6. Classify a number as prime or composite.
2. Perform order of operations using whole numbers.
 1. Evaluate the square root of a perfect square number.
 2. Estimate the square root of a non-square number.
 3. Evaluate exponential expressions involving whole numbers.
 4. Use order of operations to evaluate whole number expressions.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

None

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.