

**York Technical College
Course Syllabus**

Course Information:

Course Prefix/Number:	MAT 012		
Course Title:	Developmental Mathematics Workshop		
Lecture Hours/Week:	1.0		
Lab Hours/Week:	0.0		
Credit Hours/Semester:	0.0	DL Attendance/VA Statement	Textbook Information

Course Description:

This course provides support for mastery of MAT 032 competencies (e.g. may include but is not limited to laboratory work, computerized instruction, and/or projects).

Additional Information: MAT 012 will focus on the study of basic algebra concepts, geometry and measurement, and data analysis. Application skills are emphasized.

Course Competencies:

Module 1 – Algebra Concepts

1. Understand patterns, relations, and functions.
2. Represent and analyze mathematical situations and structures using algebraic symbols.
3. Use mathematical models to represent and understand quantitative relationships.

Module 2 – Measurement & Geometry

1. Understand relationships among angles, side lengths, perimeters, areas, and volumes.
2. Understand measurable attributes of objects and the units, systems, and processes of measurement.
3. Apply appropriate techniques, tools, and formulas to determine measurements.

Module 3 – Data Analysis

1. Select and use appropriate statistical methods to analyze data.
2. Read and interpret tables and graphs such as line, bar graph, circle and pictograph.

MINIMAL STANDARDS:

EXIT STANDARDS:

A grade average of 70 percent on graded material is required for completion of this laboratory course. A student who scores lower than 70 percent must remain in the lab.

Zero-level courses do not count as meeting graduation requirements in any degree, diploma or certificate program.

COURSE REQUIREMENTS:

In addition to the following requirements, each instructor may provide specific guidelines concerning his/her expectations.

ATTENDANCE REQUIREMENTS:

York Technical College students are responsible for all material covered and for all assignments made in all classes. Students are expected to attend all class sessions. At the discretion of the instructor, three times being tardy counts as one absence.

Minimum: Students are required to attend 80 percent of the laboratory hours assigned for the semester. Students whose absences exceed 20 percent of the hours assigned will be dropped from the class.

Enrollment in developmental education math courses numbering 001 through 099 shall be limited to a maximum of 30 semester credit hours as stated in the catalog.

EVALUATION STRATEGIES/GRADING:

Upon completion of the course requirements, the student should be competent in performing the following tasks with an **overall minimum average of 70% accuracy:**

Laboratory work, Computerized instruction, and/or Projects. Each Module counts 33 1/3 % of the final grade.

WITHDRAWALS:

* Withdrawal before mid-term = grade of "W."

* Withdrawal after mid-term because of attendance violations or grades = grade of "U."

(A student who withdraws after mid-term with a valid reason may receive a "W" at the discretion of the instructor.)

ACADEMIC HONESTY:

Academic dishonesty includes using another's work without giving credit to the source and cheating of any type. Any student caught cheating or involved in any other academic dishonesty will be given a grade of zero on the assignment and will be subject to further disciplinary action. (York Technical College Handbook)

GRADES EXPLAINED:

1. SC - Satisfactory Completion - does not affect GPR calculations; earns credit hours or CEU's; generates no points. Indicates satisfactory completion on assignments and evaluations in class and a score of 70 or better in the course.
2. S - Satisfactory - does not affect GPR calculations; earns credit hours of CEU's; generates no grade points. Indicates satisfactory progress on assignments and evaluations in class and a score of 61 - 69 in the course.
3. U - Unsatisfactory - does not affect GPR calculations; earns no credit hours or CEU's; generates no grade points. Indicates unsatisfactory grades on assignments and evaluations in class, and a score of 60 or below in the course.

Probation: A majority of unsatisfactory grades of "U" will cause a student to be placed on probation. Students placed on probation will receive a letter giving them specific information about their registration options. Any student on probation who fails to earn a majority of satisfactory work by the end of their next semester of work will be subject to suspension at the end of the probationary semester.

ENTRY-LEVEL REQUIREMENTS:

All students are given the COMPASS for initial placement. Students must score between 0 - 25 in Math to enter this math course.

Students may enter the labs at age 16 with special permission from the Associate Vice President for Student and Academic Affairs at York Technical College, the Learning Assistance Center Department Manager, and a letter from the principal of the last high school he/she attended.

PREREQUISITES

None.

CO-REQUISITES

None.

METHODS OF INSTRUCTION:

The math lab is a cooperative learning lab where various methods of instruction are used including paper/pencil, CAI, audio-visual, and lecture.

EFFECTIVE:FA2006