Associate Degree in Occupational Health and Safety
(MATH 1103) Introduction to Math and Statistics

Course Description

In this course, students will explore basic mathematical concepts and improve upon their reasoning based on mathematical methods for solving problems. The aim of this course is to review algebraic operations and a variety of functions, such as linear, exponential, logarithmic, and polynomial functions, and the basics of descriptive statistics.

Students will also learn about operations, functions, equations, and connecting data with descriptive statistics. This course is designed to utilize a variety of resources and tactics to refresh students' secondary school math knowledge and build their competencies for the rest of the program.

Learning Objectives

By the end of this course, students will be able to:

- Apply and use a variety of functions, including power functions, roots, polynomials, exponential andlogarithmic functions
- Visualize and solve equations and inequalities involving these elementary functions
- Identify and appropriately use the different properties of basic mathematical operations and functions
- Perform calculations involving a variety of mathematical concepts
- Apply special functions to describe real-world problems
- Interpret phenomena and data using basic statistical methods

Grade Scheme: Letter Grade   Minimum Pass: 60%

Deliverables:

- **Math assignments**
- **Tests**

∗Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage	Explination
A+	4.3	90-100%	Outstanding
A	4.0	85-89%	Excellent
A-	3.7	80-84%	Very Good
B+	3.3	77-79%	Good
B	3.0	73-76%	Good
B-	2.7	70-72%	Good
C+	2.3	65-69%	Satisfactory
C	2.0	60-64%	Satisfactory
C-	1.7	55-59%	Academic Probation-Level Grade
D	1.3	50-54%	Academic Probation-Level Grade
F	0.0	0-49%	Failure
TC	0.0	N/A	Transfer Credit(s)