**MTH 122 – Trigonometry**

High School Dual Credit Course

Spring 2017

**Teacher**: Emily Riley

**Room**: H-223

**Phone**: 304-743-7400 extension 7083

**Email**: eriley@k12.wv.us

**Course Requirements**

Prerequisites: 3.00 GPA and at least a Math ACT score of 21

**Course Description and Objectives**

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|  A study of the trigonometric functions, graphs of the trigonometric functions, identities, equations, inverse trigonometric functions, vectors, complex numbers, and applications.

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|  Trigonometric Functions Acute angles and Right Triangles Radian Measure and Circular FunctionsGraphs of Circular Functions Trigonometric Identities Inverse Circular Functions and Trigonometric Equations Applications of Trigonometry and Vectors Complex Numbers and Polar Coordinates   |

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**Required Text and Other Materials**

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|  Trigonometry by Dugopolski, 4th edition ISBN: 9780321923486.  |

Calculator: TI-Nspire CX (provided in classroom)

**Course Student Learning Outcomes**

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|  To give students a solid understanding of trigonometric functions and their applications. To help prepare students for a course in calculus with analytic geometry. Students should also take college algebra before attempting calculus To help prepare students for study in areas such as physics, engineering, biology, chemistry, pharmacy, geology, medicine, and safety technology.  |

**Grading Policy**

Types of grades include bell ringers, tests, quizzes, daily assignments, activities,

homework, and projects.

High school grades will be determined each nine weeks according to the county policy:

90-100 = A 80-89 = B 70-79 = C 60-69 = D 0-59 = F

Marshall grades will be determined at the end of the semester according to the

university policy:

90-100 = A 80-89 = B 70-79 = C 60-69 = D 0-59 = F

**University Policies**

By enrolling in this course, you agree to the University Policies listed below. Please read

the full text of each policy be going to www.marshall.edu/academic-affairs and clicking

on “Marshall University Policies.” Or, you can access the policies directly by going to

http://www.marshall.edu/academic-affairs/?page\_id=802

Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services

Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic

Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities

of Students/ Affirmative Action/ Sexual Harassment