**Global High School**
**Dual Credit**
**UT Tyler**

**Course Syllabus**

Math 2413                          Spring 2026                          Calculus

**Instructor**: Leslie Stice
Contact: Email [lstice@wisd.org](mailto:lstice@wisd.org)

**<u>ACGM Description</u>**:
This course is a study of limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

**<u>Prerequisites:</u>** Meet TSI college-readiness standard for Mathematics; or equivalent. Pre-cal Math 2412

**<u>Introduction and Purpose</u>**:

This course is meant both as a terminal math course and to prepare students for more advanced topics in mathematics.

**<u>Instructional Materials:</u>**
Essential Calculus; Early Transcendentals, by James Stewart, Second edition
Supplies: pencils, notebook, and TI 84 calculator

**<u>Methods of Evaluations:</u>**

Homework (from book) 20%
Tests (in class) 60%
Final Exam 20%

**<u>Class policies</u>**:

Regular attendance at all class meetings is expected. Disruptions in class will not be tolerated. This is a college course, therefore even if you miss class, you are responsible for all things that took place in class. Homework is due the day of your Test at 8:40am.  If you cheat, you will receive a zero on that assignment.