

**Global High School  
Dual Credit  
UT Tyler**

**Course Syllabus**

Math 2413

Fall 2025

Calculus

**Instructor:** Leslie Stice

Contact: Email [lstice@wisd.org](mailto:lstice@wisd.org)

**ACGM Description:**

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.

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

**Introduction and Purpose:**

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

**Instructional Materials:**

Essential Calculus; Early Transcendentals, by James Stewart, Second edition

Supplies: pencils, notebook, and TI 84 calculator

**Methods of Evaluations:**

Homework (from book) 20%

Tests (in class) 60%

Final Exam 20%

**Class policies:**

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.