Truman State University Dual Credit

MATH 263 **Analytic Geometry and Calculus II**

**Course Description from the Truman State Catalog:** Transcendental functions, techniques

and applications of integration, improper integrals, infinite series, topics from analytic geometry,

polar coordinates, vectors and vector valued functions. **Credits: 5 hours**

**Text:** *Calculus: Early Transcendentals*, 3rd edition – Jon Rogawski and Colin Adams. We will cover most of chapters 7, 8, and 10 through 13. Sections 7.4, 8.2, and 11.5 are optional.

**Assessment:** Test #1 (Chapter 7) 10%

Test #2 (Chapter 8) 5%

Test #3 (Chapter 10) 10%

Test #4 (Chapter 11) 5%

Test #5 (Chapter 12) 10%

Test #6 (Chapter 13) 10%

Quizzes 25%

Final Exam (Chapters 2 through 6) 25%

The grading scale will be:

90%-100% A

80%-89% B

70%-79% C

60%-69% D

Below 60% F

**Homework:** Exercises from each section covered will be assigned (though not counted in the Truman grade). We will discuss solutions to these in class as time permits. Students should expect to spend, on average, two hours per class day outside of class working on problems and studying for tests /quizzes.

**Quizzes:** There will be frequent (about one per week) quizzes that will contain problems very similar (or identical) to those assigned in the homework. Your two lowest quiz scores will not be considered in computing your final quiz average.

**Calculators:** Graphing calculators that are not able to perform symbolic differentiation will be permitted for use on all tests. So for example, TI-86s and below are acceptable, but the TI-89 and TI-92 are not.

**Academic Integrity:** All work submitted by a student is to be the sole work of that student. Any violations of this rule will automatically result in a failing grade for the assignment in question. Additional penalties, which include course grade reduction or failure in the course, may be assessed depending on the severity of the violations. All occurrences of academic dishonesty will be reported to the Chair of Mathematics at Truman State University.