# Syllabus for Math 2415, Calculus 3, Summer 2025

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Math 2415-001
10:40AM–12:10PM, MTWTF
Ratliff Building North 4024
information
Joseph Vandehey
ion: Ratliff Building North 4004
jvandehey@uttyler.edu ( <b>NOT</b> jvandehey@patriots.uttyler.edu)
Essential Calculus: Early Transcendentals Second Edition
by James Stewart
s: by appointment
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We will use Canvas in this course. Homework assignments, grades, study guides, and even this syllabus will all be posted to Canvas.

## 1. Course Content

Vector calculus in Euclidean n-space, functions of several variables, partial differentiation, and multiple integration. We will focus on chapters 10–13 in your book, although some topics may be dropped for time.

#### 2. Class structure

Due to the accelerated pace of this course, we will use a somewhat unusual schedule. Quizzes will be given and homework will be due on Thursdays of Weeks 1, 3, and 5, and Tuesdays and Fridays of Weeks 2, 4, 6, and 7. On the Fridays of Week 2, 4, 6, and 7, the quiz will be replaced with an exam. Note that all quizzes and exams will not include topics covered the day before the assessment is given.

Class item	percent of total grade
Homework	10%
Quizzes	10%
Exam 1	20%
Exam 2	20%
Exam 3	20%
Final	20%

3.	Grading
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On quizzes and tests, the final answer is often worth far less than any other part of the problem. I care about good mathematical process over anything else. Always, always show your work. Because showing your work is important, I will mark down for extremely messy work or for bad notation.

As I recognize that life is sometimes hectic, the lowest homework grade and lowest quiz grade will be dropped. Exam scores will not be dropped or replaced.

At the end of the semester, your final letter grade will be determined *roughly* as follows:

90% or higher	Α
Between $80\%$ and $90\%$	В
Between $70\%$ and $80\%$	С
Between $60\%$ and $70\%$	D
60% or lower	F

Any deviations from the above rubric will only be to your benefit.

## 4. Homework

Homework will be collected roughly once every few days on the schedule above. Homework can be turned in either virtually (through Canvas) or in person. Homework problems will often be chosen from odd-numbered problems, whose answers are available at the back of your textbook.

I will grade homework based solely on *effort*. You are not required to have completed every problem. Homework questions will mostly come from odd numbered problems and the answers will be available to you at the back of your textbook. As such, in order to receive full credit, you must show your work. Sometimes additional questions outside the textbook will be given. To incentivize good homework practices, I will often borrow homework problems for quizzes and tests.

## 5. Quizzes

Quizzes will take place during the last twenty to thirty minutes of class on the schedule listed above.

6. Exams					
Exam 1	Week 2	Friday, May 16			
Exam 2	Week 4	Friday, May 30			
Exam 3	Week 6	Friday, June 13			
Final	Week 7	Friday, June 20			

Exams will take place during class and last the full class period. The first three exams are *NOT* cumulative except where they must be. The final exam will be cumulative but will emphasize the new material most. Note that our final exam takes place during our usual Friday class and not during the scheduled Saturday final exam time.

#### 7. Additional comments

- Exceptions to the above rules will be made in the case of extreme circumstances (death in the family, severe illness, etc.).
- Cheating is strictly prohibited and carries severe consequences, up to and including expulsion from the university. Use of calculators, laptops, phones, etc., on any exam will be considered cheating.
- If you believe I have graded an exam in error, come see me at the end of the class in which I handed it back. Leaving class with the exam means you accept the grade you have been given.
- Important campus-wide policies can be found on the course Canvas page.
- I frown upon the use of erasers on tests. They make me sad.

If you think your work is wrong, cross it out. Do not erase! I can't give partial credit for work that has been erased and I can no longer read.