Class Meeting Schedule:

Section	Name	Position	Class Location	Class Times / Dates
001	Maxim Gilula	Instructor	A232 Wells Hall	MWF 1:50-2:40pm
001	Alexander Wilson	Recitation Leader	A136 Wells Hall	Th 3:00-4:20pm

A tentative schedule can be found on the next page.

Instructor/TA Information:

Section	Name	Email	Office Location	Office Hours
001	Maxim Gilula	gilulama@math.msu.edu	C320 WH	MWF 12:40-1:40pm
001	Alexander Wilson	wils1256@msu.edu	MLC	Tu 2:50-4pm

In addition to the set office hours you may contact me or Alex to setup a separate appointment. You are encouraged to attend office hours.

Supplies:

Textbook:

Vector Calculus, 6th ed.
Authors: Marsden and Tromba
ISBN-13: 978-1429215084

Calculator:
No calculators are required or allowed in this class.

Homework:

There will be weekly homework. I plan to make homework with a theoretical component, applications component, and a bonus question. Expect homework to be challenging. Plan to spend at least 10-15 hours per week on homework and studying. You are encouraged to work together and ask questions, but please do not consult outside sources for answers to homework. As honors students, you should understand (or trust me) that figuring out problems by yourself is one of the best ways to learn mathematics. ***Homework is due in class on Mondays***.

Quizzes:

There will be three 15-minute quizzes, worth 10% of your grade in total. The goal of the not-for-credit "Proficiency Quiz" will just be used to determine where you are in the class.

Exams:

There will be two in-class exams, each worth 15% of your grade. They are currently scheduled for ***Wednesday, February 14th*** and ***Wednesday, March 28th***.

Final Exam:

The cumulative Final Exam is scheduled for ***Monday, April 30th, 10:00AM - 12:00 Noon***. If you perform significantly better on the final than your other exams, I will consider replacing the exam grades with your final exam grade. The location of the final exam is **Wells Hall C517**. The exam will be closed book and closed note.

Course Grading:

Your course grade will be based on:

Homework	Quizzes	Exam 1	Exam 2	Final Exam
30%	10%	15%	15%	30%

Tentative Schedule:

	Monday	Wednesday	Thursday	Friday
Week of 1/8	§1.1	§1.2		§1.3
Week of 1/15	Holiday	§1.4, §1.5	30 min. Proficiency Quiz	§2.1
Week of 1/22	§2.2	§2.3		§2.4, §2.5
Week of 1/29	§2.5, §2.6	§3.1	Chapter 2 Quiz	§3.2
Week of 2/5	§3.3	§3.4		§3.5
Week of 2/12	Review	**Exam 1**		§4.1, §4.2
Week of 2/19	§4.3, §4.4	§5.1		§5.2
Week of 2/26	§5.3	§5.3		§5.4
Week of 3/5	*Spring*	*Break*	*No*	*Class*
Week of 3/12	§5.5	§6.1	Chapter 5 Quiz	§6.2
Week of 3/19	§6.3	§6.4		Review
Week of 3/26	§7.1	**Exam 2**		§7.2
Week of 4/2	§7.3	§7.4		§7.5
Week of 4/9	§7.6	§7.7	Chapter 7 Quiz	§8.1
Week of 4/16	§8.2	§8.3		§8.4
Week of 4/23	§8.4	§8.5		Review
Week of 4/30	**Final Exam**			

Course Objectives:

My goal is to give an introduction to the beautiful subject of multivariable calculus that involves much more theory and modern mathematical ideas than MTH 234, which will better prepare students who want to continue their study of mathematics, or just understand what mathematics is at a deeper level. I plan to advance at a much faster pace in this course than I have in MTH 234.