**Syllabus**

**Analytic Geometry and Calculus I** **MATH 113-002**
TTh 8:30-10:20 AM

**Instructor:** Dr. Brent Gorbutt
Office: Exploratory Hall 4309 (but really Zoom or Blackboard Collaborate Ultra)
Email: bgorbutt@gmu.edu

**Text:** *Thomas' Calculus: Early Transcendentals, Single Variable*, 14th Edition. Homework and exams will be completed online through MyMathLab, so you need a MyMathLab access code.

**Course Description:** We will be covering most of chapters 1-5 in the text. Since this course is online, for lectures I'll be uploading videos to BlackBoard. That way you have the recorded lectures for reference, and we can be more flexible with the scheduled class time.

**Grading:** Below are the components that will make up your grade for the class:

| | |
|---|---|
| Recitation | 100 points |
| Homework | 100 points |
| Midterm 1 | 100 points |
| Midterm 2 | 100 points |
| Final Exam | 200 points |

Your final grade will be computed by dividing your total number of points from the above categories by 6.

**Grade Scale:** Below is the grading scale. I do not plan on curving your grades.

| | |
|---|---|
| $90\% - 100\%$ | A |
| $80\% - 89\%$ | B |
| $70\% - 79\%$ | C |
| $60\% - 69\%$ | D |
| $< 60\%$ | F |

**Homework:** Weekly homework assignments will be completed online at MyMathLab. You'll need the following information to enroll in the class online:

> `http://www.pearsonmylabandmastering.com/northamerica/mymathlab/`
> **Course Name:** MATH 113-001
> **Course ID:** gorbutt82937

**Midterms:** We will have two midterms. Both midterms will be availible to take online through MyMathLab anytime on the day the exam is scheduled.

**Final Exam:** The final exam will consist of 10 questions from chapters 1-3 and 10 questions from chapters 4 and 5.

**Office Hours:** Office hours (via Zoom) will be immediately following class (TTh 10:20-11:00) or by appointment.

**Disability Statement:** If you are a student with a disability and you need academic accomodations, please contact the Office of Disability Resources at 703.993.2474 or online at `http://ods.gmu.edu`. All academic arrangements and accomodations must be made through ODS.

**University Honor Code:** You are expected to follow the GMU Honor Code: `https://oai.gmu.edu/mason-honor-code/`

**Diversity:** You are expected to act in accordance with the GMU Diversity Statement: `http://ctfe.gmu.edu/professional-development/mason-diversity-statement/`

**Calendar**

| **Week** | **Topics** |
|---|---|
| 25 Jan | 1.1-1.3 |
| 1 Feb | 1.5-1.6, 2.1 |
| 8 Feb | 2.2-2.4 |
| 15 Feb | 2.5, 2.6 |
| 22 Feb | 3.1, 3.2 |
| **25 Feb** | Midterm 1 (Chapters 1 and 2) |
| **1 March** | Last day of Unrestricted Withdrawal Period |
| 1 March | 3.3, 3.4 |
| 8 March | 3.5, 3.6 |
| 15 March | 3.7, 3.8 |
| 22 March | 3.9, 3.10 |
| 29 March | 4.1-4.3 |
| **1 April** | Midterm 2 (Chapter 3) |
| 5 April | 4.4, 4.5 |
| 12 April | 4.6, 4.8, 5.1 |
| 19 April | 5.2-5.4 |
| 26 April | 5.5, 5.6 |
| **TBA** | Final Exam |

A few suggestions to help you get as much as possible out of this class:

- Use the book. This is the single best thing that you can do to learn the material.
- Watch videos. I'll be uploading videos working problems. Watch the videos available through MyMathLab, available under "Assignments." Use Khan Acadamy and other YouTube videos.
- Work problems. The best way to learn anything is to do it, math included.
- Ask for help. Your TA, LA, and I are are here to help you learn. Though we are unable meet in person we can still meet virtually through Zoom or BlackBoard Collaborate Ultra. I can set up

my webcam to act like a document camera or use the whiteboard through Zoom or Collaborate Ultra so we can work problems together.

- The Math Tutoring Center is operating online. You can find out more about it at `https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and`.