

Syllabus

Discrete Mathematics

TTh 10:30-11:45am

MATH 125-001

Horizon 1014

Instructor: Dr. Brent Gorbutt
Office: Exploratory Hall 4223
Email: bgorbutt@gmu.edu

Text: *Discrete Mathematics with Graph Theory*, 3rd Edition by Goodaire and Parmenter.

Course Description: Introduces ideas of discrete mathematics and combinatorial proof techniques including mathematical induction, sets, graphs, trees, recursion, and enumeration.

Office Hours: I'll be in my office available for office hours Monday through Thursday from 9:30-10:20am or by appointment.

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

Quizzes	200 points
Midterm	100 points
Final Exam	150 points

Your final grade will be computed by dividing your total number of points from the above categories by 4.5.

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
+/-	Used at instructor's discretion

Quizzes: We'll have weekly quizzes in lieu of homework. I'll give you a list of homework problems to review each week and the quiz the following week will be based on those problems.

Midterm: There will be a midterm the Thursday before Spring Break covering chapters 2-5.

Final Exam: The final exam will be cumulative.

Mason COVID Safety Plan: Everyone (including those that are fully vaccinated) are required to wear a face covering when inside university property. As such, unless you have an exception through the Office of Disability Services you **must** wear a mask while in class. For full details and guidelines please visit <https://www2.gmu.edu/safe-return-campus>

Disability Statement: If you are a student with a disability and you need academic accommodations, please contact the Office of Disability Resources at 703.993.2474 or online at <http://ods.gmu.edu>.

All academic arrangements and accommodations 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
24 Jan	2.1-2.3
31 Jan	2.4-2.5
7 Feb	3.1
14 Feb	3.2
21 Feb	5.1
28 Feb	5.2
7 Mar	Finish chapter 5, Midterm (Thursday)
14 Mar	Spring Break, no class
21 Mar	6.1, 6.2
28 Mar	6.3, 7.1
4 Apr	7.2, 7.7
11 Apr	9.1, 9.2
18 Apr	9.3, 10.1
25 Apr	10.2, 12.1
2 May	12.2, 13.1
17 May	Final Exam, 10:30am - 1:15pm

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

- Come to class. We'll be covering the material and the important concepts and ideas during lectures. Questions and discussion are welcome.
- Use the book. This is the single best thing that you can do to learn the material. .
- Work problems. The best way to learn anything is to do it, math included.
- Ask for help. Your TA and I are here to help you learn.
- The Math Tutoring Center is open for walk in tutoring. You can find out more about it at <https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and>.