Syllabus

Discrete Mathematics **MATH 125-DL1**

Instructor: Dr. Brent Gorbutt
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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

Homework: There will be weekly homework assignments. More details will be added on Wednesday.

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 Saftey 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 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**
24 Jan	2.1-2.3
31 Jan	2.4-2.5
7 Feb	3.1-3.3
14 Feb	4.1-4.2
21 Feb	4.3-4.4
28 Feb	5.1, 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	9.2, 9.3
18 Apr	10.1, 10.2
25 Apr	12.1, 12.2
2 May	13.1, 13.2
17 May	**Final Exam, 10:30am - 1:15pm**

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. .
- Work problems. The best way to learn anything is to do it, math included.
- Ask for help. Your TA and I are 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.