

Discrete Math I
MATH 125-006
Fall, 2020
Online

Professor J. Lawrence
Office hours: Any time (by
email)
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Text: *Discrete Mathematics with Graph Theory*, by Goodaire and Parmenter. Published by Pearson, third edition (2018).

Much of the material in chapters 0–13 of the textbook is covered. Topics include: Logic and logical arguments, as used in mathematics; sets; equivalence relations; partial ordering relations; combinatorial enumeration; recursion and mathematical induction; graphs and trees.

Grading: One or two tests are given each week. Grades are based primarily upon a weighted average of the accumulated test grade and the grade on the final exam, with the final exam accounting for about 20% of the final average, which will possibly be augmented for class participation, exhibited, for example, by participation on the Blackboard discussion board. Up to about 20 incorrect test answers will be ignored in the computation of the final grade.

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|-------------------------|------------------------|------------------------|--------------|
| A ⁺ : 97-100 | B ⁺ : 87-89 | C ⁺ : 75-79 | F : below 60 |
| A : 93-96 | B : 83-86 | C : 70-74 | |
| A ⁻ : 90-92 | B ⁻ : 80-82 | D : 60-69 | |

The **final exam** is scheduled for Monday, December 14.

Integrity is expected. GMU's revered honor system is over 150 years old - much older than GMU itself. Here is relevant policy concerning academic integrity in this class. On tests and quizzes, your work is expected to be exactly that: your work, done without assistance. However, on homework, outside assistance or assistance from other class members is condoned. (That said, homework is most helpful to you if you try extremely hard to work all the problems without any assistance, not even the assistance of the answers in the back of the book. Attempt all the problems in this way, and only then look in the back!)

Visit <http://math.gmu.edu/help-with-math.php> for information regarding the **Math Tutoring Center** or **Math Tutors** for hire.

Contact the **Office of Disability Services (ODS)** if you are a student with a disability in need of academic accommodations. For more information, visit <http://ods.gmu.edu> or call ODS at 993-2474.

The Mason **Diversity Statement**:

<https://stearnscenter.gmu.edu/purpose-and-mission/mason-diversity-statement>

For **more information**, see the menu items on the class Blackboard pages.