

# SYLLABUS

## Fall 2021



Department of Mathematical Sciences

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## Discrete Mathematics I (Math 125-005)

**Instructor:** Professor David Carchedi  
**Office:** Exploratory Hall 4216  
**Office Hours:** Monday 2:00-3:30pm\*  
**Email:** please write me on Piazza (see below)

\*please send email one hour before if you plan on coming.

**Lectures 005:** Monday & Wednesday. 3:30 – 4:15 pm. Innovation 105

### Exams:

**Midterm 1:** October 18

**Midterm 2:** November 15

**Final:** December 13, 1:30-4:15

**Text:** Discrete Mathematics with Graph Theory, by Goodaire and Parmenter. Published by Pearson, third edition (2018).

**Piazza:** I have set up a Piazza page for the class. This will allow students to post questions, both about mathematics, and the course in general. Your fellow students and myself can then answer these questions. Questions can also be sent privately. To motivate students to use this valuable resource, I will not be using email and will only be responding to messages posted through Piazza.

**Course Description:** We will cover some of the material from Chapters 2-12 of the text. The topics covered will include: types of proofs and how to read proofs; graphs and trees; sets and counting; sequences defined recursively.

**Exams:** There will be two midterm exams during the semester and a comprehensive final exam at the end of the term. Calculators are not allowed on exams. You need to have your GMU ID to take exams.

**Grading:** Your grade for the course will be calculated as follows: two midterms (30% each), and a Final (40%).

### COVID-19 Policy:

- *All students taking courses with a face-to-face component are required to follow the university's public health and safety precautions and procedures outlined on the university Safe Return to Campus webpage (<https://www2.gmu.edu/safe-return-campus>). Similarly, all students in face-to-face and hybrid courses must also complete the Mason COVID Health Check daily, seven days a week. The COVID Health Check system uses a color code system and students will*

*receive either a Green, Yellow, Red, or Blue email response. Only students who receive a “green” notification are permitted to attend courses with a face-to-face component. If you suspect that you are sick or have been directed to self-isolate, please quarantine or get testing. Faculty are allowed to ask you to show them that you have received a Green email and are thereby permitted to be in class.*

- *Students are required to follow Mason's current policy about facemask-wearing. As of August 11, 2021, all community members are required to wear a facemask in all indoor settings, including classrooms. An [appropriate facemask](#) must cover your nose and mouth at all times in our classroom. If this policy changes, you will be informed; however, students who prefer to wear masks will always be welcome in the classroom.*

**Failure to comply will result in being removed from the classroom by the University Police, as well as being written up for a violation of the Students Code of Conduct.**

**Electronic Devices (such as laptops, cell phones, etc.):** Please be respectful of your peers and your instructor and do not engage in activities that are unrelated to class. Such disruptions show a lack of professionalism and may result in penalties. Use of such devices during an exam will result in an automatic F.

**Disability statement:** If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Resources at 703.993.2474, <http://ds.gmu.edu>. All academic accommodations must be arranged through that office.

**Tutoring Center:** The Math Tutoring Center is located in the Johnson Center Room 344. Help is available on a walk-in basis. For hours of operation see: <http://math.gmu.edu/tutor-center.php>

**University Honor Code:** You are expected to follow the GMU Honor Code: <http://oai.gmu.edu/the-mason-honor-code/> . There will be a zero tolerance policy with respect to cheating. Do not do it. If you are caught cheating, I will not hesitate to report you to the Office of Academic Integrity and suggest harsh punishment.

**Diversity:** You are expected to behave in accordance of the GMU Diversity Statement: <http://ctfe.gmu.edu/professional-development/mason-diversity-statement/>

**Privacy:** Students must use their MasonLive email account to receive important University information, including messages related to this class. See <http://masonlive.gmu.edu/> for more information.