

**Math 125, Fall 2020**  
Discrete Mathematics  
Section 004 (Online), CRN 72673

<b>Time:</b>	MW 9:00 - 10:15
<b>Place:</b>	Online (Blackboard Collaborate)
<b>Instructor:</b>	Walter Morris
<b>Office Hours:</b>	MW 1:00-2:00
<b>e-mail:</b>	wmorris@gmu.edu

Math 125 is a course in Discrete Mathematics. The goal of the course is to improve your ability to recognize and use some important mathematical structures, such as relations, set systems and graphs. The prerequisite for the course is a passing score on the Mathematics Placement Test or C or better in MATH 105 or MATH 108 or MATH 113.

The text for the course is **Discrete Mathematics With Graph Theory**, by Goodaire and Parmenter, Third Edition, published by Prentice Hall. We will cover sections 1.1-1.3, 2.1-2.5, 3.1, 3.2, 5.1, 5.2, 6.1, 6.2, 7.1, 7.2, 7.7, 9.2, 9.3, 10.1, 10.2, 12.1, 12.2, 13.1, 13.2.

Math 125 fulfils the Mason Core requirement in the Quantitative Reasoning category. The learning outcomes for this category are: Students are able to interpret quantitative information (i.e., formulas, graphs, tables, models, and schematics) and draw inferences from them. Given a quantitative problem, students are able to formulate the problem quantitatively and use appropriate arithmetical, algebraic, and/or statistical methods to solve the problem. Students are able to evaluate logical arguments using quantitative reasoning. Students are able to communicate and present quantitative results effectively.

There will be classroom sessions on Blackboard Collaborate Ultra. In these sessions, we will discuss the materials in the assigned reading. You may ask questions in the classroom sessions. Quizzes will also be given at the end of the classroom sessions. To access Blackboard Collaborate Ultra, click on "Blackboard Collaborate for our weekly sessions" in the main menu. Then go to "Course Room."

There will be three tests during class time, which we will tentatively schedule for September 21, October 19 and November 16. We will not have Blackboard Collaborate sessions on those days. You will download the test file, work the test on pencil and paper, and upload a **.pdf file** from your scanned or photographed work. Each of the classtime tests determines 17% of the final grade.

There will be no special circumstances on the week of October 12.

The final exam is cumulative. It will be given on **December 14, at 7:30 AM**. 29% of the final grade is determined by the final exam.

Weekly quizzes make up 10% of the final grade. I will drop the lowest 2 weekly quiz grades. Homework contributes 10% of the final grade. Some of the homework involves posting to a discussion board.

The tests and homework will be open book, open notes. You must have read the assigned reading and kept your notes organized to know where to find the relevant information quickly. The [Mason Honor Code](#) applies. You may not receive help from any person or internet site on quizzes or tests. If you receive help from another person on homework, please state who or what site helped you.

Some homework assignments will ask you to post to a class discussion board on Blackboard. Please be respectful and mind the rules of [Netiquette](#). You must carefully craft your communication in the online classroom to avoid misinterpretation.

If you are a student with a disability and you need academic accommodations, please notify me and contact the Office of Disability Services ([ODS](#)) at (703) 993-2474. All academic accommodations must be arranged through the ODS.

I check my e-mail often. Feel free to email me with questions. Be certain that you understand all of the homework assigned and all of the assigned reading, and that you ask questions in or out of class in order to clear up any problems you might have.

Other links:

Student rights under [FERPA](#)

[Online Education Services, University Libraries](#)

[Writing Center](#)

[Counseling and Psychological Services](#)