



## MATH 106 SECTION 004 Fall 2018

### MW 12:00 – 1:15 pm

Instructor: Mrs. Taiesha M. Gordon, MAEd

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Office Hours: By Appointment on MW

**Text:** Mathematical Ideas, by Miller, Hereen and Hornsby, 13th ed Pearson, 2016 ISBN: 978-0-321-97707-6

- The textbook bundled with a MyMathLab access code can be purchased in the campus bookstore. Alternatively, the ebook and MyMathLab access code which will provide access to a digital version of the text and the on line tools can also be purchased online (<http://www.mymathlab.com>). It is strongly recommended that you purchase the physical text as most students are more successful using a physical book

**Calculators:** You will need a Scientific Calculator for the course.

**Course Description:** This course meets the quantitative reasoning requirement, one of the Foundation requirements of the University General Education program. The goal of the Foundation requirement is to help ensure that students are equipped with the tools and techniques necessary to succeed in college and throughout their lives and careers. The learning objectives for this requirement are:

1. Students are able to interpret quantitative information (i.e., formulas, graphs, tables, models, and schematics) and draw inferences from them.
2. 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.
3. Students are able to evaluate logical arguments using quantitative reasoning.
4. Students are able to communicate and present quantitative results effectively.

**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. 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/themason-honor-code/>

MyMathLab is a powerful online, homework, tutorial and assessment system that accompanies your new textbook. Students can take assessments, and receive personalized study plans based on their results. The study plan diagnoses weaknesses and links students to tutorial exercises for objectives they need to study. In many cases students can also access video clips, PowerPoint presentations, and other animations for each section and from selected exercises.

To sign up:

1. Login to [www.pearsonmylab.com](http://www.pearsonmylab.com) (or [mymathlab.com](http://mymathlab.com))
2. Click on the register link on the right hand side under "Students." The website will then walk you through the steps
3. **You will need:**
  - A valid GMU email
  - A NEW student access code, packaged with your new textbook or available online with a credit card
  - Our course id: **gordon35593**

You can get 14 days of temporary access (look for the tiny blue link at bottom of page). You are required to get regular access by day 15!

MyMathLab is **NOT** a program operated by GMU. If you are experiencing technical difficulties using the program, then you can email or "chat" with Customer Support directly through the Pearson Education Customer Service website. Go to <http://247pearsoned.custhelp.com> for more information. Help is available 24 hours a day, seven days a week. You could also call the Pearson Customer Service and Technical Support number at 800-677-6337.

### Grade Distribution:

Practice Problems	5%	A	90 -100%
Online Homework	15%	B	80 - 89%
Quizzes	15%	C	70 – 79%
Tests (3)	45%	D	60 - 69%
Final Exam	20%	F	below 60%

**Weekly quizzes:** Every Monday beginning September 10th. 20 minute time limit. Similar to practice problems.

### Course Policies:

- Quizzes and exams are closed books, closed notes.
- No makeup exams or quizzes will be given.
- No late assignments will be accepted under any circumstances.
- Practice problems: Group work is highly encouraged
- Attendance is expected. Adhere to the school policy of no more than 2 absences.
- Students are responsible for all missed work, regardless of the reason for absence. It is also the student's responsibility to get all missing notes or materials.

### Important Dates to Remember:

- Sept 3 – Labor Day, University Closed
- Sept 4 – Last day to add classes
- Sept 9 – Last day to drop classes without penalty
- Oct 8 – Fall Break
- Nov 21 – 25: Thanksgiving Recess
- Dec 8 – Last day of classes
- Dec 12 – 19: Final Exam period

**Tentative Course Outline:**

<b>Week</b>	<b>Dates</b>	<b>Sections Covered</b>	<b>Assignment Due on Section:</b>
1	8/27 8/29	Class Introduction, 1.1 2.1, 2.2	1.1
2	9/3 9/5	<b>LABOR DAY – UNIVERSITY CLOSED</b> 2.3	2.1
3	9/10 9/12	2.4 3.1, 3.2	2.2 2.3, 2.4
4	9/17 9/19	3.3 3.4, 3.6	3.1 3.2, 3.3
5	9/24 9/26	6.5 <b>Test #1(Chapters 1 – 3)</b>	3.4 3.6
6	10/1 10/3	10.1, 10.2 10.3	6.5 10.1
7	10/8 10/9 10/10	<b>Columbus Day – No School</b> 10.5 11.1, 11.2	10.2 10.3
8	10/15 10/17	11.2, 11.3 11.3, 11.5	10.5 11.1
9	10/22 10/24	<b>12.1</b> <b>Test #2(sections 6.5, 10.1-10.3, 10.5, 11.1-3, 11.5)</b>	11.2 11.3
10	10/29 10/31	12.2, 12.3 12.5	11.5 12.1
11	11/5 11/7	7.1 7.2	12.2 12.3
12	11/12 11/14	7.3 7.5	12.5 7.1
13	11/19 11/21	<b>Test #3 (12.1-12.3, 12.5, 7.1-7.3, 7.5)</b> <b>THANKSGIVING RECESS: Nov 21 - 25</b>	7.2 7.3
14	11/26 11/28	13.1 13.2	7.5
15	12/3 12/5	13.3 Final Exam Review	13.1 13.2, 13.3
16	12/10 12/17	<b>READING DAY: December 10 - 11</b> <b>FINAL EXAM – 10:30a – 1:15p</b>	

## Practice Problems

Some of these will be assigned to work through during class. The remaining will be for you to work on your own. However, weekly quizzes will be very similar to these practice problems.

Section	Practice Problems
1.1	2, 6, 20,24,26, 40
2.1	1-8, 14, 20,23, 27, 46, 52,59, 61-67, 79, 82,83-86, 93
2.2	1-4, 5-7, 17, 21-28, 33-37, 41, 45, 48, 50, 61
2.3	7-28, 37-42,43-48,55-60,63-65,90
2.4	3, 5-10,15, 18,21,26, 30, 31
3.1	23-28, 39-48,49-54
3.2	7-18,21-29,39-45,63-66
3.3	25-30, 61-66
3.4	1,4,11-16, 45-48
3.6	1-6, 13-20,41-43
6.5	1-10,22,33-35,44,47-50,63-66
7.1	9-33 odd only, 37,39, 42, 46,54,61,69,72
7.2	17-19, 31,39-41,47,52,54,63
7.3	1-8,17,19,21,23, 25,32, 53,63,67
7.5	20-30, 35-53(odd), 55-65 odd
10.1	1-6, 30-36, 51
10.2	1-12, 29-32, 38, 41-44, 53-58, 67
10.3	1-8, 21-28, 32, 33, 35, 44, 61, 70
10.5	1-4,9-12, 13-16, 25, 26, 31, 37-40, 47-50
11.1	5, 6, 8, 11, 30-38, 51-54, 61-64, 72, 73, 74
11.2	1-16, 33,34,39-42, 43-46
11.3	1-10, 27-32, 43-49, 58-62, 67-70, 83-86, 91
11.5	2, 3, 11, 12, 18, 21-23, 27-29
12.1	1-6, 11-15, 23, 40-42
12.2	1-8, 25-27, 30, 31, 37-39, 48
12.3	9, 10, 15-18, 23-28, 37
12.5	1-6, 11-14, 19, 21, 23, 24, 33-36, 45, 46
13.1	7-10, 15-20, 21, 23, 26,30-34,49
13.2	1-5, 6-10, 17, 20,22, 26, 29, 32
13.3	2-12 even, 17, 22