

Instructor: Marilyn Vazquez Landrove

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Communication by email must be sent from your masonlive.gmu.edu account.

Office: Exploratory Hall, Room 4310B

Office Hours: Monday/Wednesday 1:00pm-2:30pm and by appointment

Classroom: Robinson Hall B202

Class time: 10am-12:15pm M-Th

Textbook: Mathematical Ideas by Miller, Hereen and Hornsby,

Custom Edition, 2012 (ISBN: 978-1-256-71962-5 **OR** 978-1-256-71582-5)

The textbook bundled with a MyMathLab 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 online tools, can also be purchased online (<http://www.mymathlab.com>).

Course Description: Quantitative skills for the real world. Topics include critical thinking, modeling by functions, graphs, growth, scaling, probability, and statistics.

Website: <http://mason.gmu.edu/~mvazque3/Courses.html>

Please check the course website regularly for any announcements and other tools such as syllabus, notes, and solutions.

Homework: Homework will be assigned on MyMathLab before each class, and it will be due the following day at 9:30am.

Participation: There will be daily mini quizzes given at the beginning of class. These are part of your participation credit. They are to ensure that you are reading your notes before class and are not meant to be tricky. There will also be review days where students will have the opportunity to present their solutions to various problems. Each student will be required to present in front of the class once as part of their participation credit.

Exams: There will be a total of three exams and a final exam. Each will focus on new material from class, but will require knowledge of previous lectures. Check the tentative schedule for the dates of the exams. Tests must be taken on these dates. If these dates are changed, announcements will be made during class and on the website.

Final Exam: The final will be cumulative. The final is scheduled for Thursday, July 30, 10:00am-12:15pm.

Make-up Policy: Given that the two lowest scores for the homework assignments and mini quizzes will be dropped and so will the lowest exam score, there will

be no make up for any of these. For the final, only within the first week of classes can arrangements be made to take it on a different day/time. However, the last time frame to make-up the final will be Friday, July 31st, 2015 from 11:45am-2pm.

Calculators: A scientific calculator is required for this course. No cellphones will be allowed for this purpose.

Grading: Homework – 40%, Exams – 30%, Final – 20%, Participation – 10%

A: 90%-100%
B: 80%-89%
C: 70%-79%
D: 60%-69%
F: 59% and below

The ONLY extra credit available for all students is to present in front of the class their solutions during review days. Each presentation will count 1% extra credit and there is a cap of 2% that can be earned.

Additional Help: The Math Tutoring Center is located in the Johnson Center, Room 344. Help is available on a walk-in bases. For hours of operation, see <http://math.gmu.edu/tutor-center.php>. Additionally, MyMathLab has helpful tools.

Honor Code: It is expected that each student in this class will conduct himself or herself within the guidelines of the GMU Honor Code. Among other things, this means that sharing information of any kind about exams will result, at a minimum, in a grade of zero for all parties involved. See the University Honor Code at <http://oai.gmu.edu/the-mason-honor-code/>. Unless otherwise specified, you may work together on worksheets and homework assignments, but you must submit your own solutions.

Disability Statement: If you are a student with a disability and you need academic accommodations, please contact the Office of Disability Resources (703-993-2474, ods.gmu.edu). All accommodations must be arranged through that office.

Classroom Expectations: Students are expected to come to class with their textbook. Cell phones, and other communicative devices are not allowed in this class. Please keep them stowed away and out of sight. Laptops or tablets may be permitted for the purpose of taking notes or accessing the ebook textbook only. Engaging in activities not related to the course (e.g., gaming, email, chat, etc.) will be addressed.

Tentative Schedule:

<i>Date</i>	<i>Topic</i>	<i>Sections Covered</i>
June 29	Inductive/Deductive reasoning, Set Theory	Ch 1, 2.1
30	Set theory	2.2-2.4
July 1	Logic	3.1-3.3
2	Logic	3.4,3.6
6	Review	
7	Exam 1	
8	Real numbers, Algebra	Ch 6, 7.1,7.2
9	Algebra, Counting	7.3, 7.5, 10.1
13	Counting	10.2, 10.3, 10.5
14	Review	
15	Exam 2	
16	Probability	11.1,11.2,11.3
20	Probability, Statistics	11.5,12.1,12.2
21	Statistics	12.3,12.4,12.5
22	Review	
23	Exam 3	
27	Stats and Finance	Regression,13.2
28	Finance	13.2,13.3
29	Review	
30	Final	