George Mason University

MATH 106 – 008N Spring 2020

Quantitative Reasoning (CRN 21194)

Classroom IN 208

Time MW 9:00AM – 10:15AM

Instructor: Kumnit Nong

Office EXPL 4309 **Email Knong@gmu.edu** **Phone: 703-764-5027**

Office Hours: Monday 10:15-11:15

Appt Hours: Wednesday 10:15-11:15

Text: Mathematical Ideas, by Miller, Hereen and Hornsby, *Custom Edition* or 13th edition Pearson

Calculators: Scientific Calculator (**NO Graphing Calculator**)

NOT Required ONLINE ACCESS CODE:

Course Contents: CH 1.1, 2.1 – 2.5, 3.1 – 3.5, 4.6, 10.1 – 10.5, 11.1 – 11.4, 12.1- 12.5, 13.1 – 13.5, 6.5, 7.1- 7.5

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. Studentsareabletocommunicateandpresentquantitativeresultseffectively.

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.

Grading Policy:

- Homework will be collected each exam date (15%)
- Two examinations (50%)
- Final exam (35%)

- For all exams, you may have one note card 3 in x 5 in (index card). It must be hand written both side
- No make-up exam under any circumstance. • If you missed any exams, you must get approval from instructor. It is up to instructor's decision to approve case by case scenario.

  GMU Honor Code is in effect at all times
  Grading scale: A+ = 98+, A = 90-97, B+ = 87—89, B = 80- 86, C+ = 78- 79, C = 70-77, D = 60-69, F = 59 or below

  Honor Code: THIS IS IMPORTANT. It is expected that each student in this class will conduct himself or herself within the guidelines of the Honor Code. Among other things, this means that sharing information of any kind about exams or quizzes (either before or during the exam) will result, at a minimum, in a grade of zero for all parties involved. All work must be your own and submitted by you as the student registered for the class. The right is reserved to check a picture identification during any of the exams. Internet capable devices and other electronics **If you caught cheating, you will earn an F for the course.**

If you missed an assignment or exam, you must have proper documentation such as medical conditions, military order, or death in a family, etc (discuss and get approval from me on case by case scenario). Otherwise, there will not be a make-up option and you will get ZERO for the assignment. I will NOT drop any assignment.

ALL electronic devices except approved calculator will NOT be allowed during exam.

are not allowed to be used or within your sight during exams. This includes but is not limited to calculators, computers, cell phones, tablets and smart watches. Any of these must be turned off and put away BEFORE an exam or quiz starts. Calculators may be used on the homework if necessary. See academicintegrity.gmu.edu for a copy of the Honor Code. **University Honor Code:** You are expected to follow the GMU Honor Code https://oai.gmu.edu/mason-honor-code/

Cell Phones and Computers: I expect to receive the same level of respect that I give to you. This means that cell phones and computers are not to be used during class. Your cell phone (or any internet capable device) should be on silent or vibrate during lecture and I should not see

them at all during tests or quizzes. If I notice you have a cell phone (or any internet capable device) in your line of sight during a test or quiz then I will assume that it is an Honor Code violation and take appropriate action. This could result in you failing the assignment, failing the class or being suspended from the university.

Accommodations: If you are a student with a disability and you need academic accommodations, please see me and contact the office of Disability Services. All academic accommodations must be arranged through that office. Office of Disability Services Student Union Building I (SUBI), Room 4205 Phone: 703.993.2474

Unscheduled and Late Closings Policy: If the university has an unscheduled closing-because of weather or some other unforeseen occurrence you should assume that we will pick up with the schedule where we left off. In particular, if a test was scheduled for a day in which school was canceled or an assignment was due that day you should assume that the test will be given or the assignment will be collected the next time class meets. If the university has a late opening on a class day we will begin class at the time the university opens. A test scheduled for a day the university opens late will be postponed until further notices.

Final remarks: This class requires a lot of time to do all the necessary work. If you do not have the time, you are strongly urged to take this class some other semester. Obtaining Help There are many outlets available for you to get help in this class. I understand that the pace of the class is very quick so I will try to be available as much as I can to students. In addition to my set weekly office hours, I am very happy to schedule appointments.

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

FINAL EXAM MONDAY MAY 11, 2020 @ 7:30AM

HOMEWORK

1.1: 1-10all, 27 – 37 odds
2.1: 3 – 60 (multiple of 3)
2.2: 1 – 35 odds
2.3: 3 – 66 (multiple of 3)
2.4: 1 – 21 all
3.1: 11 – 47 odds
3.2: 3 – 60 (multiple of 3)
3.3: 11 – 41 odds
3.4: 1 – 15 all
3.5: 1 – 16 all
3.6: 1 – 25 odds

10.1: 7 – 37 odds
10.2: 3 – 60 (multiple of 3)
10.3: 1 – 41 odds
10.5: 1- 25 odd
11.1: 1 – 21 odds
11.2: 1 – 31 odds
11.3: 3 – 51 (multiple of 3)
12.2: 1- 29 odd
12.3: 3- 27 all
12.5: 1- 36 all

CH 13 HW in a worksheet