

Professor: Peter Klosterman
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Office Hours: M – Thu 10 – 11 AM

If this time doesn't work, feel free to email or talk to me in-person to arrange a different time

Textbook: None required. All notes will be provided through Canvas, although you may need to consult math textbooks from previous courses depending on how much mathematics you remember.

Course Goals:

The goal of this course is to prepare middle-level mathematics majors to take and pass the NES Exam in Middle-Level Mathematics. The course will review mathematical content in the four broad categories that are covered on the exam: (1) Number Sense and Operations, (2) Algebra and Functions, (3) Measurement and Geometry, (4) Statistics, Probability, and Discrete Mathematics.

Course Topics:

- Unit 1: Numbers and Operations
 - Unit 2: Patterns, Relationships, and Functions
 - Unit 3: Algebra and Linear Relations
 - Unit 4: Nonlinear Relations and Calculus Concepts
 - Unit 5: Measurement
 - Unit 6: Euclidean Geometry
 - Unit 7: Coordinate and Transformational Geometry
 - Unit 8: Discrete Mathematics
 - Unit 9: Probability and Statistics
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Exams:

There is a course pretest taken at the beginning of the quarter, and a course posttest taken at the end of the quarter. Each of the 9 units also has a practice exam. The practice exams are sample NES exams and other multiple-choice exams of a similar format. You are on your honor to simulate test-taking conditions for the practice exams. If you do not achieve a score of 80% on a practice exam on the first try, it then becomes a homework assignment to be completed with 80% correctness. Your course grade is determined by how many units you complete on schedule.

Structure of the Course:

For each unit, you can download a packet of review notes. Each unit has a set of 15-30 exercises that come from topics in the review packet. Work through these exercises, entering your answers into Canvas. You must score at least 80% on the first try to complete the exercise set. If you score below 80% on the first try, you

must continue to re-work the questions until you reach 80% correct. Once you have done this, you will then take a practice exam for that unit. During the practice exam, do your best to simulate test-taking conditions—choose a time and place where you will not be interrupted. Use nothing but a calculator, pencil and paper. After the practice exam, go back and review problems you missed—this will help you improve. After you finish one unit, the next will open up on Canvas. There are deadlines for when you must finish each unit by. You can work ahead if you'd like.

Grading:

Grades are determined by how well you complete units on time. Each unit has a due date and a one-week grace period. After the one-week grace period, the unit closes and you will be unable to access it anymore. Grades are assigned as follows:

- A: 0-2 units completed late (during the grace period)
- B: 3-5 units completed late (during the grace period)
- C: 6 or more units completed late (during the grace period)
- F: one or more units not completed

Note that you must complete every unit before it closes in order to pass the course. If you have a legitimate reason for not being able to complete a unit before it closes (i.e. something major going on in your life beyond poor planning), contact the professor as soon as possible.

Official CWU Policies:

Cheating will not be tolerated. Cheating will result in a zero grade for the exam and possibly a failing grade for the course. See the CWU Academic Dishonesty statement for more info: <https://www.cwu.edu/resources-reports/cwup-5-90-0104-academic-dishonesty>

Accommodations are available for students with disabilities. Students who wish to arrange for academic adjustments in this class are encouraged to provide me with a copy of their Confirmation of Eligibility for Academic Adjustments and meet with me as soon as possible to discuss their needs and the manner in which their accommodations will be delivered. Reasonable accommodations are also available for students who, due to the observance of religious holidays, expect to be absent or endure a significant hardship during certain days of the course or program. To receive accommodations for religious holidays, please contact me within the first 2 weeks of the quarter.

Sexual Harassment is not tolerated. You are entitled to a safe and inclusive learning environment where you are treated with dignity and respect. Title IX considers sexual harassment to be a form of discrimination. If you experience sexual harassment, or know someone who is being sexually harassed, you are encouraged to report concerns to me, another faculty member or employee, or to Staci Sleight-Layman, Title IX Coordinator, at 509-963-1256, staci@cwu.edu. For more information about CWU's sexual harassment policies, refer to <https://www.cwu.edu/hr/reporting-sexual-misconduct>.