Syllabus for Mathematics 300, Section 002, Spring 2022

TIME AND PLACE: MWF 1:10pm–2:00pm Col 3007
INSTRUCTOR: Ralph Howard OFFICE: Col 1018F PHONE: 777-7471
OFFICE HOURS: MWF 10:40–11:40 and by appointment.
TEXT:

Mathematical Reasoning Writing and Proof, Version 3 by Ted Sundstrom. This is available free online at `https://scholarworks.gvsu.edu/books/24/` If you wish to get a hard copy it can found here at Amazon for a reasonable price (under $25).

Homework and quizzes: Homework will be assigned each class period and there will be a quiz at the end of each class based on the homework. Sometimes problems well be collected, but you will be told which ones at the time they are assigned.

Grading: There will be three hour exams of 100 points each. Homework and quizzes will count for 100 points. The Final will count for 150 points. There will be in class quizzes that will be included as part of the homework grade. There will also be points for doing problems at the board in class.

Three midterms @100 points each	300 points
Final	150 points
Homework (includes quizzes)	100 points
Total	550 point

The grade will be based on the total number of points out of the 550 points. *Note that the homework and quizzes count as much as a test so it is important to spend time on the homework.* Letter grades will be assigned to all the tests. The last day to drop without a WF is Monday, March 28 and you should have a good idea of where you stand by then.

There will be no make up exams. Your lowest test score (other than the final) will be replace by you average on the other tests including the final. Likewise if you miss an exam your it the score you receive will be your average on the other tests. If you miss a second exam it you receive a zero on it. Likewise **no late homework will be accepted.**

The exams will be on the following days:

Test 1	Wednesday, February 9
Test 2	Monday March 21
Test 3	Wednesday, April 22
Final	Monday, March 2, at 12:30pm

Learning Outcomes: Successful students in Mathematics 300 will become familiar with the mathematical style of writing a proof and gain the necessary background for more advanced proof-based classes. Students will be able to use truth tables, quantifiers, basic concepts of set theory, mathematical induction.