Syllabus for Mathematics 300, Section 002, Fall 2016

TIME AND PLACE: MWF 10:50 am – 11:40 am Hamilton College 143
INSTRUCTOR: Ralph Howard   OFFICE: LC 304   PHONE: 777-7471
OFFICE HOURS: TTh 2:30pm–3:30pm and by appointment.
TEXT: *Book of Proof, Second Edition* by Richard Hammack.

Grading: There will be three hour exams of 100 points each. Homework will be collected and 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 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 counts as much as a test so it is important to spend time on the homework.* Some homework many be "collected" in the form of in class quizzes. Letter grades will be assigned to all the tests. The last day to drop is Monday, October 10 and you should have a good idea of where you stand by then.

There will be no make up exams. If you miss a test, then your score on that exam is 80% of the average of your other test scores (including the final). If you miss a second exam then the score on it is zero. Likewise **no late homework will be accepted.**

The exams will be on the following days:

Test 1	Monday, September 19
Test 2	Wednesday, October 19
Test 3	Monday, November 21
Final	Wednesday, December 7 at 9:00 am

Note that the third test is on the Monday before Thanksgiving break, so you should not make travel plans for that day.

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.