Math 107, Principles of Finite Mathematics

Spring 2001

Textbook: <u>For All Practical Purposes, 5th Edition</u> by Garfunkel, Solomon, ed.

Class meeting times: MWF: 1:55 - 2:45 pm in room 328, CCMB

T: 9:30 - 10:20 am in room 328, CCMB

Instructor: Jacob Heidenreich   Office Hours: M 4:00 - 5:00

Office: 359 Computer Center / Math Building(CCMB)   W 4:00 - 5:00

E-mail: jheidenr@hilbert.helios.nd.edu   T10:30 - 11:30

Goals:

The primary goal of Math 107 is to gain exposure to the mathematics that exists in the world around us.

The secondary goal of Math 107 is to develop a deeper understanding of the concepts involved in the above mathematics.

Grades:

Exam I	100 pts.	(16.5% of final grade)
Exam II	100 pts.	(16.5% of final grade)
Exam III	100 pts.	(16.5% of final grade)
Final	150 pts.	(25% of final grade)
Quizzes / Proj.	50 pts.	(9% of final grade)
<u>Homework / Proj.</u>	<u>100 pts.</u>	<u>(16.5% of final grade)</u>
Total	600 pts.	

Exams:

Exam I	**Fr.**	**Feb. 16**	**1:55 - 2:45 pm**	**CCMB 328**
Exam II	**Fr.**	**Mar. 9**	**1:55 - 2:45 pm**	**CCMB 328**
Exam III	**Fr.**	**Apr. 20**	**1:55 - 2:45 pm**	**CCMB 328**
Final	**Wed.**	**May 9**	**8:00 - 10:00 am**	**??????????**

Exams I - III will be in the usual classroom (CCMB 328). The room for the final exam will be announced in class. You must be present for each exam at the scheduled time and in the scheduled room. If, for some reason you cannot make an exam, you must notify me as soon as possible *before the exam time*. I retain the right to decide what is a good

excuse for missing an exam or not. If you fail to notify me of your absence before hand you will receive a 0 on the exam.

Homework and Take-Home Projects:

Homework will be assigned each Friday and collected each following Friday, except for exam weeks. I will tell you what to do on exam weeks ahead of time. Homework assignments will cover the material that will be lectured on during the upcoming week. Each night you should do the part of the homework covered in class that day.

Late homework will be penalized 25% for each class day late (e.g. if it is turned in on Monday, the penalty would be –25%, Wednesday would be –50%, etc.). If you have an excused absence on the due date, hw will be due the next class day. Cooperation on hw among the students is encouraged, but you cannot copy. Each question will be worth 2 points: one for work, one for the right answer. If the question is long, it might be worth 3 points, 2 for work, 1 for the answer. You can use calculators to calculate, but not to graph functions; you need to show the work for graphed functions. Also, if a question is testing your ability to use a certain method to solve a problem, you must use that method. All assignments will be equally weighted.

Take-home projects are like large homework assignments, but usually require more creative problem solving. They will be worth twice as much as a regular homework assignment. They will be announced in class.

Quizzes and In-Class Projects:

A short quiz will be given at the end of each class to test your understanding of the material covered in that class period. Quizzes cannot be made up. If you have an excused absence, the missed quiz will not count against you. All quizzes will be equally weighted.

Sometimes the class will be devoted to in-class projects. They will be worth two quizzes.

Attendance:

Freshmen are required by the University to attend all classes; three or more absences may result in a grade of "F". You are responsible for any information given out in class (such as exam rooms, homework assignments, etc.)