

COURSE SYLLABUS
MATH 270
SUMMER 2007

Welcome to Math 270, my name is Jim Coykendall, and I will be your instructor for this course. My office is 310A Minard Hall, and my office hours this semester will be from 6:00-7:45am and 8:45am-11:00am Monday through Friday. Additionally, I also tend to be around alot more than that, but it is a good idea to check with me. If my hours are inconvenient then email me (Jim.Coykendall@ndsu.edu) or give me a call (office 231-8079, home 280-7086) and we will work something out. Another good resource for this course is my homepage, which can be found at

<http://www.ndsu.nodak.edu/ndsu/coykenda/>

In general, you may consider my office an "open door, and I strongly recommend that you come and see me if you are having any trouble in class (or if you find that you are not being challenged enough). Come by...I enjoy seeing my students.

COURSE DESCRIPTION: We will cover topics including sets, symbolic logic, propositions, quantifiers, methods of proof, relations and functions, equivalence relations, mathematical induction and its equivalents, infinite sets, cardinal numbers, and (time permitting) a basic introduction to analysis, algebra, and/or topology.

GOALS: To give students an understanding, appreciation, and preparation for more advanced mathematics. Understanding the language and beauty of mathematics will be stressed. Most importantly, being able to both understand and construct proofs will be a key goal of this class.

TEXTBOOK: The text will be Smith, Eggen, and St. Andre, *A Transition to Advanced Mathematics* (Any Edition).

HOMEWORK/QUIZZES: Homework will be collected about once a week. (Please take note of this as the homework will determine half your grade). If you have difficulty solving problems, please see me for help. The bottom line is that if you want to learn some mathematics, the only way to do this is by getting your hands dirty working problems. There may or may not be quizzes given during any given class meeting. A quiz grade is equivalent to a homework grade.

EXAMS: There will be two examinations plus a final exam. The dates of these examinations will be announced later. The final exam (as per your spring registration schedule) will take place on Friday, August 3 in class.

GRADES: Here is a breakdown of the quizzes/exams/final:

Homework/Quiz Average...50%
Exam 1...15%
Exam 2...15%
Final...20%

If you get the following scores (out of 100) you will receive:

90-100...A
80-89...B
70-79...C
60-69...D

SPECIAL NEEDS: Any students with disabilities or other special needs, who need special accommodations in the course, are invited to share these concerns or requests with the instructor as soon as possible.

ACADEMIC HONESTY: All work in this course must be completed in a manner consistent with NDSU University Senate Policy, Section 335: Code of Academic Responsibility and Conduct

<http://www.ndsu.nodak.edu/policy/335.htm>).

I wish you the best of luck in this course, please stop by and keep me posted on how you are doing.