

MAT 275
Introduction to Abstract Mathematics
Spring 2009

Instructor: Professor Jeffrey Meyer, 206F Carnegie
443-1479 or 443-1473
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Office Hours: W 10:00 – 11:30 am, TTh 12:30 – 1:30 pm,
and by appointment.

Text: *Passage to Abstract Mathematics*, by Watkins and Meyer. The text is available in pre-published form from the SU Bookstore.

Course Description: Besides learning some new mathematics that will turn out to be relevant in later classes, the main goal of this course is that the student should learn how to write and read proofs. We cover at least some parts of each chapter in the text. Therefore notes from the lecture will be more important than the text. *For this reason it will be hard to catch up if you miss class. You will need to get notes from another student – I will not provide notes for lectures that are missed.* There may be additional topics presented by the instructor. The emphasis of the course is mastery of the material and methods rather than covering a specific list of topics. Thus there is no set daily schedule for the course. We will proceed at the necessary pace to master the essential ideas. The work you do for the course will include solving problems with applications from the material and writing proofs of claims.

Prerequisite: MAT 295 or permission of instructor.

Calculator: No calculator is necessary for this class.

Grading: Your grade will be based on the following:

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| Two one-hour exams | 20% each |
| Final exam | 25% |
| (Nearly) Weekly Quizzes | 25% |
| Homework | 10% |

Exam Dates:

Tentative schedule:

Exam 1 Tuesday, February 17, 2009

Exam 2 Tuesday, April 23, 2009

Final Exam Friday, May 2, 2008, 12:30 - 2:30 PM

There will be no make-up exams or quizzes. As per departmental policy any exam missed will be made up with the relevant portion of the final exam. I will drop at least two of the lowest quiz scores.