

## Course Syllabus

### MTH364.01-4604 Introduction to Mathematical Thought Fall 2007

- 1. Class meeting information:** Class meets in LDB 205  
MWF 10:00-11:00
- 2. Professor:** Dr. Tom Davis  
Office: LDB 417 E  
Office Phone: 294-1572  
email: mth\_tcd@shsu.edu
- 3. Office Hours:**  
MWF: 9:00-10:00 12:00 - 1:00  
Tu-Thurs 8:30. - 9:30 .
- 4. Course Description:** The course will provide a firm foundation in major ideas needed for continued work in mathematics and will guide the student to think and express themselves mathematically. The class will be primarily lecture- oriented. Homework will be assigned often and in large amounts!
- 5. Course Objectives:** .This course is designed to bridge the gap between calculus and advanced courses in mathematics.
- 6. Required Textbook:** *A Transition to Advanced Mathematics 6<sup>th</sup> Edition* Smith, Eggen, St Andre
- 7. Attendance Policy:** You are expected to attend every class and to arrive on time. Roll will be checked daily by use of a seating chart. If you come to class after the roll is checked, it will be your responsibility to notify the instructor at the end of the class period.
- 8. Exams:** There will be 4 or 5 major exams (including the final) that will be announced at least one week prior to each exam. If you cannot be present for an exam you may make arrangements prior to the exam to take a make-up exam.
- 9. Grading plan:** The letter grade for the course will be based on the average of the exams described in 8 above.
- 10. Academic Dishonesty:** (See University Policy on Academic Dishonesty)
- 11. Classroom Rules of Conduct:** Inappropriate behavior in the classroom will result in a directive to leave class.

**MATH 364**  
**Course Outline**

Chapter 1: Logic and Proofs

1.1 - 1.6

Test #1

Chapter 2: Set Theory

2.1-2.5

Test #2

Chapter 3: Relations

3.1- 3.3

Test #3

Chapter 4: Functions

4.1 - 4.3

Test #4