

SYLLABUS

SMTH 340 Section 001 Spring 2009

SYLLABUS

Instructor: Dr. M.B. Ulmer

Office: Hodge 218; Phone 503-5224; e-mail mulmer@uscupstate.edu

Office hours: TTH 11:00 - 11:50.

Also by appointment or by "heyourgottaminute?".

(Note that there are **no office hours during final exams**. Ask your questions early!)

Text: *Mathematical Proofs - A Transition to Advanced Mathematics*, 2nd edition, by Chartrand, Polimeni and Zhang.

Web Site: <http://faculty.uscupstate.edu/mulmer> . Notice that the site address has no "www" in it!

Catalog Description (Partial): (3) Topics in set theory, logic, elementary applications of logic, methods of mathematical proof, equivalence relations, ... functions mappings and number systems. Prerequisite or Corequisite: SMTH 142 (or consent of instructor).

Course Objective: This course provides foundation knowledge and logical abilities for success in abstract mathematics study. The transition from concrete to abstract math is known to be a very difficult one for most students; this course facilitates that transition.

Makeup Tests are given only for good reasons, and at the instructor's convenience. Athletes and others who must miss class for University sponsored events should notify the instructor several days in advance.

Attendance and attentiveness: A maximum of four classes may be missed. In reality, a student who misses even one session puts himself or herself at a severe disadvantage. Significant content is covered each period. You are responsible for all material covered and work assigned during an absence. Excessive tardiness is disruptive to the class, and detrimental in the same way as absence, and so, **excessive tardiness will be considered absence**. Cell phones are not to be used in class. A student who uses a cell phone in class will be given a zero daily grade. (If you have an emergency situation that requires that you keep your cell phone on, notify the instructor *before class*.)

Grading: There will be at least 3 hour tests and a comprehensive final exam counting the weight of two more tests. Please request more tests if needed for better understanding.

Daily grades derived from in-class performance and pop quizzes may be used to determine the final letter grade in borderline cases. (For example, a 79 test average and excellent daily work will result in a B in the course.)

Grading Scale: 100-90% = A; 89-80% = B; 79-70% = C; 69-60%=D; Below 60% = F. "Plus" grades may be awarded for high B, C, or D final grades if work is judged meritorious by some measure not anticipated by the above specifications.

Last day to withdraw without penalty: Monday, 30 March.

Notes: 1. Any student having a physical or learning disability requiring modifications of the instructional or testing environment, methods, or format, must inform the instructor of such disability the first day of class to allow time to address the modifications.

2. This is a tentative syllabus. Modifications may be necessary as we progress.