MA 110-105   Finite Mathematics   Summer Semester 2006

INSTRUCTOR: Cornelius Pillen
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CLASS TIME: Monday through Friday 8:00 AM – 9:55 AM in ILB 360.

OFFICE HOURS: Monday through Friday 10:00 AM – 11:00 AM, and by appointment.

COURSE OBJECTIVE: Learning logic and counting techniques will strengthen your reasoning and problem-solving skills. Basic knowledge of probability and statistics will help you in making well-informed decisions in many areas of daily life, including finances, health care, and public policy. By presenting a variety of accessible topics, the course not only gives an overview of the nature and utility of mathematics but hopefully will also show some of its beauty.

COURSE CONTENT: This course is intended to give an overview of finite mathematics together with their applications. Topics include logic, sets, counting, permutations, combinations, basic probability, and descriptive statistics.

PREREQUISITES: Two years of high school algebra and one year of geometry.


COVERAGE: Chapters 1 – 4.

CALCULATOR: Students are required to have a scientific calculator.

ATTENDANCE POLICY: Daily quizzes or take-home-quizzes will be given with the exception of exam days and the first and last day of class. Your grade on any missed quiz will be recorded as zero, and may not be made up. The lowest two quiz scores will be dropped. It is the student’s responsibility to work through any course material covered during her/his absence.

HOMEWORK: Daily homework assignments will be given. You should work on these assignments each day. They will not be collected. However, you will be expected to be able to work them in class and on the quizzes.

GRADING: Two exams will be given during the term each counting 25% of the final grade. These exams are tentatively scheduled for June 8 and June 19. Your average quiz grade will count for 20% of the final grade. The final exam will make up the remaining 30% of the course grade.

MAKE-UP EXAM: Make-up exams are given only with prior permission by the instructor.

FINAL EXAM: Monday, June 26, 8:00 AM – 10:00 AM.

TUTORING LAB: The Department offers a Tutoring Lab in room ILB 456 to all students taking Mathematics and Statistics classes. There is no lab fee. Please check the bulletin board in ILB 325 for details.

WITHDRAWAL: The final drop date is June 13. My goal is for every student to complete the course successfully. Please, speak with me if you are getting behind! Also talk to me before making a final decision to drop – it is easier to pass the course, than you might think.

DISABILITY: If you have a specific disability that qualifies you for academic accommodations, please notify the instructor and provide certification from Disability Services (Office of Special Student Services). The Office of Special Students Services is located in the Student Center, Room 270, Phone 460-7212.

NOTE: Students will be notified in class and in writing in case of changes to the syllabus.