Math 220
Foundations of Mathematics
Mathematics
Spring 2010
Texas A&M University

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Office Hours: T - R 10:00 am – 12:00 pm or by appointment

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Section: 904 MWF 10:20 am - 11:10 am in BLOC 161

Course Description:

Math 220: Fundamentals of Discrete Mathematics (Credit 3) The course will cover foundations of mathematics including logic, set theory, combinatorics, and number theory. This course is a W-course; learning to read and write mathematics, and to communicate it effectively is the major goal of this course. For more details see the description of the writing requirements given below. Writing communication skills will also be taken into account in the grades on homeworks and exams.

Prerequisites: MATH 171 and 172.

Required Materials:


Texas A&M Student ID:
Bring your student ID to all exams. Due to privacy issues, I cannot discuss grades over email or phone. If you have a question about your grade, please come see me in person and bring your ID.

Writing Assignments

Several homeworks will be specially designated as special writing assignments. These will be formally written up and turned in. The first assignment will be turned in for correction and it is strongly suggested that students discuss corrections with the professor. The solutions to the problems have to be written properly on a paper. One should start a new page for each problem.
Grading Policy:

*Grades.* This course has been designated as a writing course. Majority of the homeworks will be devoted to write clear and logical proofs of some propositions and theorems. On the one hand, the writing of complete and coherent sentences will be taken as seriously as the lines of reasoning. On the other hand, exams will be graded more laxly from the writing standpoint. There will be two major exams during the semester, each worth 20% of the grade. Writing Assignments worth 30% of the grade. The final exam accounts for 30% of the course grade. There will not be any type of curve for this course.

*Required Averages:*
A 90–100%  B 80–89%  C 70–79%  D 60–69%  F 0–59%

*Grade Disputes:*
All grade disputes must be dealt with at the time you receive the exam or assignment. Once you leave class, you have accepted your grade. Due to privacy issues, I cannot discuss grades over email or phone.

*Make-up Policy:*
No make-up exams or assignments will be given without a University-approved excused absence (see the Texas A&M University Student Rules). An absence for a non-acute medical service or regular check-up does not constitute an excused absence. To be excused, you must notify me in writing prior to the date of absence if possible. Consistent with Texas A&M Student Rules, in cases where advance notification is not feasible (e.g. accident, or emergency) the student must provide notification by the end of the second working day after the absence. This notification should include an explanation of why notice could not be sent prior to the class. For injury or illness too severe or contagious to attend class, you must provide confirmation of a visit to a health care professional affirming date and time of visit. The Texas A&M University Explanatory Statement for Absence from Class form will not be accepted. It is the student's responsibility to schedule a make-up.

Participation:

- The best way to improve your knowledge in this class is asking questions respect to the topics we are dealing with. Thus, be ready for your class reading the material before going there and participating in class.
- Stop by my office at office hours to discuss any problem you have in mind.
- Discuss with your class mates as much as you can.
Copyright:

All exams, printed handouts and/or assignments, and web-materials are protected by US Copyright Laws. No multiple copies can be made without written permission from the instructor. No exam or assignments may be shared with anyone outside of the class.

Aggie Honor Code:

"An Aggie does not lie, cheat, or steal or tolerate those who do."

The Honor Council Rules and Procedures are on the web at

http://www.tamu.edu/aggiehonor

Disabilities: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities, in Cain Hall or call 845-1637.

http://disability.tamu.edu/