Fundamentals of Advanced Mathematics 3450:307 Summer 2011

3450:307-321 MTWThF 9:45-10:45am CRH 318


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Office Hours : MTWThF 11:00am–12:00pm

Course Outline

• Chapter 1: Sets
• Chapter 2: Logic
• Chapter 3: Direct Proof and Proof by Contrapositive
• Test # 1
• Chapter 4: More on Direct Proof and Proof by Contrapositive
• Chapter 5: Existence and Proof by Contradiction
• Chapter 6: Mathematical Induction
• Test # 2
• Chapter 7: Prove or Disprove
• Chapter 8: Equivalence Relations
• Chapter 9: Functions
• Chapter 10: Cardinalities of Sets
• Selected topics from Chapters 11–13
• Test # 3

Policy

1. Any student who is not on the 14-day class list will not be allowed to participate in the class in any way, including attending, or having any work graded.

2. Inappropriate behaviour in the classroom may be grounds for academic discipline, up to, and including dismissal from the course. In particular, disruption of the class by cell phones or pagers will not be tolerated.
3. Incompletes will only be given in documentable cases of long-term illness, or similar problems. In addition, at least half of the semester’s work must have been completed, with at least an average grade of C. College policy also states that a student may not sit in on the course the next semester to make up the incomplete, but only to make up the missed work.

4. Attendance is required by University policy.

5. The University withdrawal policy is in effect. That is, you may withdraw up to July 29.

6. Homework will be assigned for most sections, and discussed in the class period after a topic is completed. There will be separate homework problems given, and a possibility of quizzes.

   Late homework will be accepted at my discretion.

7. The final scale will be no higher than A : 90+ average, B : 80-89 average, C : 70-79 average, D : 60-69 average. Plus and minus grades will be used at my discretion. The averages will be based on 3 tests @ 100 points each and the homework/quiz average @ 100 points.

8. If you are going to miss a test (which will be announced approximately one week in advance), you must have a valid, documentable excuse and notify me in advance, or as soon as reasonable afterward. The make-up will be as soon as possible, generally within a week of the original test date.