Mathematics 2345 : Discrete Mathematics
Topics for Exam 3
Fall 2013

The following list of topics may help you in your preparation for the test. Emphasis will be placed on induction proofs and solving recurrence relations (Chapter 7).

- (Everything covered in Exams 1 & 2 ..., okay, just review before the final !)

- Section 4.1 Mathematical Induction

- Section 4.2 Strong Induction

- Section 4.4 Recursive Algorithms

- Section 4.5 Program Correctness

- Section 7.1 Recurrence Relations

- Section 7.2 Solving Recurrence Relations (also, Iteration Method)

- Section 7.3 Divide–and–Conquer Relations (Master Method, see Theorem 2, page 479))