

Combinatorics and Graph Theory, Fall
Approximate Schedule

Note: This schedule is very approximate, and none of this is set in stone. While we will probably cover all of the topics listed below, the pace at which we do them almost certainly will not stick to the schedule below. However, you should be able to get some idea of what we're doing from the following schedule.

Week 1: Basic counting principles, the binomial theorem.

Week 2: Basic counting principles, the binomial theorem.

Week 3: Basic counting principles, the binomial theorem.

Week 4: Generating functions.

Week 5: Generating functions.

Week 6: Recurrence relations.

Week 7: Recurrence relations.

Week 8: The principle of inclusion and exclusion.

Week 9: The principle of inclusion and exclusion.

Week 10: Basic graph theory

Week 11: Basic graph theory

Week 12: Basic graph theory

Week 13: Basic graph theory

Week 14: (Thanksgiving week) TBD

Week 15: TBD