Syllabus: Math 154, Discrete Mathematics and Graph Theory, Winter 2018

Instructor: Andrew Suk

Course Time and Place: MWF 1:00-1:50, PCYNH 122.

Office Hours: MW 2–3pm.


Website: www.math.ucsd.edu/~asuk/math154w18.html

Course Description: The aim of this course is to cover Chapters 1-8 and Chapters 11-13. Topics include: Permutations and Combinations, The Pigeonhole Principle, Binomial Coefficients, Inclusion-Exclusion Principle, Combinatorial design, and Graph Theory.

Prerequisite: A grade of at least C- in Math 109 or Math 31CH or consent of the instructor. If you are unsure about whether your background is sufficient for this class, please talk with the instructor as soon as possible.

Grading: Homework 10%, Test 1 25%, Test 2 25%, Final 40%.

Exams: Test 1 will be on Friday February 2 in lecture, Test 2 will be on Friday March 2nd in lecture. Final Exam TBD. No calculators, phones, computers, or notes are allowed.

Homeworks: Homeworks will be assigned weekly and are due on Monday in your section class. The first homework will be due on Wednesday January 17 in lecture due to the holiday. Collaboration on homework assignments is both permitted and encouraged, but your submitted assignments must be written in your own words.

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