

Syllabus for MAT 146 Spring 2019

Course Description

The course is dedicated to generating functions and their applications in combinatorics. The first midterm covers chapter 1, the second midterm covers chapters 2 and 3.1-3.6. The final is cumulative and covers all the material in the course. The detailed course information can be found at the course website:

<http://www.math.ucdavis.edu/~egorskiy/MAT146-s19>

Textbook

The textbook for the course is “Generatingfunctionology” by Herbert Wilf. We will use 3rd edition, but it is fine to use 2nd edition which is freely available online at Prof. Wilf’s webpage:

<https://www.math.upenn.edu/~wilf/DownldGF.html>

Exams

Midterms will be given in class on Friday, April 19 and Monday, May 20. There will be NO MAKE-UP EXAMS. The Final exam will be on Monday, June 10 at 10:30am–12:30pm.

Office hours

Instructor: Eugene Gorsky, egorskiy@math.ucdavis.edu

Office hours: MWF 3-4 at Math 2113.

Teaching assistants: Beibei Liu , bxliu@math.ucdavis.edu

Academic Participation Requirements

In September 2018 the campus will require students to verify that they have begun each course for which they are registered via the Academic Participation program. This program also encourages students to acknowledge their responsibilities regarding academic integrity and the Code of Academic Conduct, reinforcing our campus culture of honesty.

MyUCDavis will notify students online and through email on the first day of instruction to complete their Academic Participation verification no later than the quarter add deadline. Failing to verify academic participation by this deadline may result in a reduction of the financial aid award.

Grading Policy

Homework 20%, Midterm I 20%, Midterm II 20%, Final 40%.

Homework Policy

The homework will be assigned once a week, usually on Mondays. It will be posted on the course website. The completed homework should be handed in before the start of Monday lecture (or an indicated due date, if it is different). Late homework will not be graded. All paper homework solutions must be stapled (no paper clips) and have your name and section number. Please write your solutions legibly; the grader may disregard solutions that are not readily readable.

Code of Academic Conduct

The Code of Academic Conduct exists to support high standards of behavior and to ensure fair evaluation of student learning. Students who violate the Code of Academic Conduct are subject to disciplinary sanctions that include censure, probation, suspension, deferred separation or dismissal from the University of California. The code can be found at <http://sja.ucdavis.edu/files/cac.pdf>.

Disability Services

Any student with a documented disability who needs to arrange reasonable accommodations must contact the Student Disability Center (SDC). Faculty are authorized to provide only the accommodations requested by the SDC. If you have any questions, please contact the SDC at (530)752-3184 or sdc@ucdavis.edu.