MATH 341 (Section 201)
Introduction to Discrete Mathematics
Session 2024W Term 2, (Jan-Apr 2025)

Instructor Information

Instructor: Joshua Zahl
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Office: Math Building, Room 221

Course Information

Class time: Tue, Thu 14:00 - 15:30
Class location: Chemistry Building, Floor 2, Room D300
Course web page: https://canvas.ubc.ca/courses/150977 . The webpage will be updated throughout the term.

The instructor will hold weekly **office hours**. See Canvas for details
The TA will hold weekly **office hours**. See Canvas for details

Text: *Discrete Mathematics - Elementary and Beyond* by Lovász, Pelikán, and Vesztergombi. We will also use the secondary texts *Combinatorics : topics, techniques, algorithms* by Cameron and *Generatingfunctionology* by Wilf. The primary book is freely available online via the UBC library. The secondary texts are freely available online.

Course Description: This course will introduce students to many of the structures in discrete mathematics and common approaches used to study them. This is a proof based course, with emphasis on both theory and applications.

Prerequisite: One of: MATH 220, MATH 223, MATH 226, or CPSC 121..

Evaluation

The course mark will be based on biweekly homework assignments (20%), one midterm (30%), and a final exam (50%).

There will be biweekly homework assignments, which are due Thursday at the beginning of class. The lowest homework score will be dropped.

There will be one in-class midterm. It will be held on **Thursday, February 27th**.

Missing the midterm: There are no make-up midterms in this course. Missing the midterm for a valid reason normally results in the weight of that midterm being transferred to the final exam. Any student who misses the midterm is to present to their instructor the Department of Mathematics self-declaration form for reporting a missed assessment to their instructor within 72 hours of the midterm date. This policy conforms with the UBC Vancouver Senate's Academic Concession Policy V-135 and students are advised to read this policy carefully.

Missing the Final Exam:
If you feel ill on a final exam day, you should not attend the exam. If you miss the exam for other reasons, you will need to present your situation to the Dean's Office of your Faculty to be considered for a deferred exam. See the Calendar for detailed regulations. In Mathematics, generally students sit the next available exam for the course they are taking, which could be several months after the original exam was scheduled.

Severe weather policy

UBC may cancel classes for severe weather events (i.e. snow days). If severe weather is forecast, www.ubc.ca for the latest status information. If classes are cancelled, then the corresponding Math 321 material will be posted online on Canvas. If classes are cancelled on a midterm day (i.e. February 14), then the midterm will be rescheduled. If classes are cancelled during the final exam, then the final exam will be rescheduled.

Academic Integrity

UBC takes cheating incidents very seriously. After due investigation, students found guilty of cheating on tests and examinations are usually given a final grade of 0 in the course and suspended from UBC for one year. More information.

Students with Disabilities

Please contact the instructor as soon as possible if you need any special accommodations.

Statement on UBC's Policies and Resources to Support Student Success:
UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious and cultural observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions. Details of the policies and how to access support are available here.