

# MATH 341 (Section 201)

## Introduction to Discrete Mathematics

### Session 2018S Term 2, (Jan-Apr 2018)

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#### Instructor Information

**Instructor:** Joshua Zahl

**Email :** jzahl@math.ubc.ca

**Office:** Math Building, Room 117

**Office Hours:** TBD

**TA Office Hours:** TBD

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#### Course Information

**Class time:** Tue Thu 12:30-14:00

**Class location:** Math 202

**Course web page:**

[http://www.math.ubc.ca/~jzahl/teaching/ma341\\_S2018/ma341\\_S2018.html](http://www.math.ubc.ca/~jzahl/teaching/ma341_S2018/ma341_S2018.html) . The webpage will be updated throughout the term.

**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 on reserve at the UBC library or are freely (and legally) 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..

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## 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 **Tuesday, February 27th**. Please make sure you do not make travel plans, work plans, etc., without regard to the examination schedule in this class. There will be no make-up or alternate exams. If you miss the midterm, your score will be recorded as 0, unless you have a serious documented reason (an illness, a death in the family, etc.), in which case you should discuss your circumstances with the instructor as soon as possible, and in advance of the test. Missed finals are not handled by the instructor or the Mathematics Department. Students with legitimate reasons for missing the final exam should request a "Standing Deferred" status through their Faculty.

**Academic Integrity:** The Mathematics Department strictly enforces UBC's Academic Integrity Code. **Students with Disabilities:** Please see the instructor as soon as possible if you need any special accommodations.