MATH 442 (Section 201)
Optimization in Graphs and Networks
Session 2018W Term 2, (Jan-Apr 2019)

Instructor Information

Instructor: Joshua Zahl
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Office: Math Building, Room 117
Office Hours: Tu 15:30-16:30, W 16:30-17:30

Course Information

Class time: TuTh 14:00-15:30
Class location: LSK 460
Course web page:
http://www.math.ubc.ca/~jzahl/teaching/ma442_S2019/ma442_S2019.html . The
webpage will be updated throughout the term.

Text: *Introduction to Graph Theory* (5th ed) by Robin J Wilson. This text is optional
and contains sketches of some of the proofs plus additional practice exercises. The book
is on reserve at the UBC library.

Course Description: This is an introduction to graph theory. There will be emphasis
on both proof and algorithmic techniques. Topics include tours and graphs, planarity,
graph colouring, trees, shortest paths, flows, matchings.

Prerequisite: MATH 340.

Evaluation

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

There will be weekly 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 26th**. 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.