

MATH 3802 A, Summer 2020

Combinatorial Optimization

Instructor: Gary Peter Bazdell

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Office hours: By email appointment.

Feedback: Please tell me what you think about my teaching at RateMyProfessor.com.

Textbook: No textbook is mandatory. Reference books:

1. Combinatorial Optimization: Networks and Matroids by Eugene Lawler.
2. Combinatorial Optimization by Cook, Cunningham, Pulleyblank, and Schrijver.

Classes: Live/Prerecorded.

Classes begin: May 4, 2019.

Classes end: August 14, 2019.

Tutorials: Tutorials start on or after May 13.

Course Description: Network flow problems, network simplex method, max-flow min-cut problem, integral polyhedra, minimum-weight spanning tree problem, maximum matching problem, maximum stable set problem, introduction to approximation algorithms.

Tutorial	TA Information	Day	Time	Room
A1	TBA	Tuesday	6:35-7:25	Online

Evaluation Summary

Evaluation Components

60% Assignments

40% Final Project

Assignments

There will be four assignments each worth 15% throughout the term.

University Policies

Student Academic Responsibilities

Each student is responsible for:

- Knowing the due dates of in-tutorial marked problem sets and tests.
- Maintaining a folder of all work done in the course during the semester for validation claims in cases of disagreement with faculty.
- Keeping both paper and electronic copies of all assignments, marked and unmarked, in case papers are lost or go missing.
- Regularly checking both cuLearn announcements as well as one's Carleton e-mail account for important messages from both professor and university administration
- Participating in tutorial exercises and activities as required.

Class Conduct

To ensure an optimum-learning environment, students are expected to behave in a professional manner at all times. Disrupting a class is considered to be an Instructional Offence (see University Calendar). If a student exhibits disruptive behavior in class and chooses not to refrain from such behavior at the request of the instructor, the student will be asked to leave the class. The student's behavior will be reported to Campus Security and the Office of the Associate Dean of Student Affairs.

Student Academic Integrity Policy

Every student should be familiar with the Carleton University student academic integrity policy. A student found in violation of academic integrity standards may be awarded penalties, which range from a reprimand to receiving a grade of F in the course or even being expelled from the program or University. Some examples of offences are: plagiarism and unauthorized co-operation or collaboration. Information on this policy may be found in the Undergraduate Calendar.

Plagiarism

As defined by Senate, "plagiarism is presenting, whether intentional or not, the ideas, expression of ideas or work of others as one's own". The office of the Dean of Science will review such reported offences.

Academic Accommodations for Students with Disabilities

The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your *Letter of Accommodation* at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (*if applicable*). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website (www.carleton.ca/pmc) for the deadline to request accommodations for the formally scheduled exam (*if applicable*).

Academic Accommodation

To be worked out on individual basis with instructor. Consult Equity Services Website or an Equity Advisor, ext. 5622, for Policy and list of Holy Days (www.carleton.ca/equity). For Pregnancy Contact Equity Services (ext. 5622) to obtain letters of accommodation

Student with Religious Obligations

1. As soon as you receive your course syllabus, identify any potential conflicts between your religious obligations and course requirements.

NOTE: Contact Equity Services if you are unclear if your religious observance requires accommodation under the Policy

2. Make a formal written request to your instructor indicating the nature of the religious obligation and suggest possible alternative dates and/or means of satisfying the academic requirements.

NOTE: Such request should be made during the first two weeks of the term, or as soon as possible after a need for accommodation is known to exist, but in no case later than the second last week of classes for that term. Even if you are unclear as to the exact date of the obligation (e.g., when waiting for a moon sighting) you are still expected to notify your instructor of the potential conflict and explore accommodation options.

3. If your request for accommodation is denied you may contact Equity Services and request assistance in an informal review of the decision.

http://www.carleton.ca/equity/accommodation/student_guide.htm

Medical Certificate

The following is a link to the official medical certificate accepted by Carleton University for the deferral of final examinations or assignments in undergraduate courses. To access the form, please go to

<http://www.carleton.ca/registrar/forms>.