COMP 360, Winter 2024

Session:	Winter 2024	Time:	Monday-Wednesday 13:05 - 14:25 pm
Room:	112 Maass Chemistry Building	Web:	http://www.cs.mcgill.ca/~ hatami/comp360-W2024

Instructor:

Instructor:	Hamed Hatami	Email:	hatami@cs.mcgill.ca
Office:	McConnell 308	Phone:	1 (514) 398–7071
Office Hours:	MW 3:00-4:00 pm (also by appointment)		

Teaching Assistants: TBA

Evaluation: Homeworks 20%, Midterms 20%, Final 60% or Homeworks 20%, Midterm 10%, Final 70% if this leads to a better grade.

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1 Course Description

We will cover the following topics.

- Network flows.
- Linear programming.
- NP-completeness.
- Approximation algorithms.
- Randomized algorithms.
- Online algorithms.

2 Textbook

The textbook of the course is

Jon Kleinberg and Eva Tardos *Algorithm Design* Pearson Education (2006).

3 Prerequisite:

COMP 251 or COMP 252, and either MATH 240 or MATH 235 or MATH 363. Restrictions: Not open to students who have taken or are taking COMP 360.

4 Assignments

There will be 5 assignments each worth 4% towards your overall grade.

5 Academic Integrity

McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offenses under the Code of Student Conduct and Disciplinary Procedures (see http://www.mcgill.ca/integrity for more information). Most importantly, work submitted for this course must represent your own efforts. Copying assignments or tests from any source, completely or partially, allowing others to copy your work, will not be tolerated.

6 Submission of written work in French

In accord [sic] with McGill University's Charter of Students' Rights, students in this course have the right to submit in English or in French any written work that is to be graded.