

# Discrete Mathematics for Engineers

MATH 363

## Course Information:

Session:	Winter 2016
Room:	MacDonald Eng 280
Time:	Monday-Tuesday-Thursday 14:35 - 15:25 hrs.
Web:	<a href="http://www.math.mcgill.ca/eslava/Courses/math363-w16">http://www.math.mcgill.ca/eslava/Courses/math363-w16</a>

## Instructor:

Instructor:	Laura Eslava	Email:	<a href="mailto:laura.eslava@gmail.com">laura.eslava@gmail.com</a>
Office:	Burnside Hall 1017	Phone:	1 (514) 627-9320
Office Hours: Wednesday 14:30-16:00 hrs. (also by appointment)			

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**Evaluation:** Homeworks 20%, Midterm 20%, Final 60% or Homeworks 20%, Final 80% if this leads to a better grade.

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## 1 Course Description

We will cover the following topics:

- Propositional Logic
- Proofs and Induction
- Sets, Functions, Relations
- Combinatorics
- Counting, discrete probability
- Graph Theory

The **textbook of the course** is:

- Kenneth H. Rosen, *Discrete Mathematics and its applications*, seventh edition, McGrawHill.

## 2 Assignments

There will be about 12 assignments. Late assignments will not be accepted.

## 3 Exams

**Midterm:** There will be an in-class midterm on: Thursday, February 25th

**Final Exam:** 3 hour exam covering the entire course. Date to be announced later.

The exams are closed-book and closed-notes; no calculators are permitted during the exams.

## 4 Prerequisites

MATH 263 and MATH 264.

The course is restricted to students in the Faculty of Engineering.

## 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.