

MATH 2120: METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS

Summer 2019

Instructor: Chunyi Gai	Time: MW 18:05 – 20:55
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Office Hours: Monday 13:00-15:00.

Textbook: **Notes on Diffy Qs: Differential Equations for Engineers**, by Jiri Lebl (online and free.)

Course Description:

- A comprehensive introduction to the theory of ordinary differential equations (ODEs), which is a broad field in pure and applied mathematics with numerous applications in other sciences.
- The topics include: special types of ODEs of 1st order, homogeneous and inhomogeneous linear ODEs with constant coefficients, Laplace transforms, systems of ODEs.

Prerequisites: An undergraduate-level understanding of calculus, and linear algebra is assumed.

Evaluation: The evaluation will consist of assignments, an in-class midterm and a final exam. The weight of each part is: Homework (30%), Midterm (20%), Final (50%).

Important Dates:

Midterm May 29 (Wednesday)
Final Exam June 24 (Monday)

Conversion of numerical grades to Final Letter Grades follows the Dalhousie Common Grade Scale:

- A+ [90-100], A [85-90), A- [80-85), B+ [77-80), B [73-77), B- [70,73), C+ [65-70), C [60-65), C- [55-60), D [50-55), F [0-50).

Course Policy:

- Late assignments will not be accepted.

Academic Honesty: If you cheat, you will get into lots of trouble. For the details, please read the section on academic honesty in the student calendar..