

MATH 315

ORDINARY DIFFERENTIAL EQUATIONS

WINTER 2014

GENERAL INFORMATION

Lectures: MWF 08:35–09:25, [Stewart Biology Building S1/3](#)

Instructor: Dr. Gantumur Tsogtgerel

Office: [Burnside Hall](#) 1123

Office hours: W 14:35–15:55,

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Phone: (514) 398-2510

Midterm: Wednesday February 26, in class

Grading: [Webwork](#) 15%, Written assignment 15%, Midterm 15%, Final 55%

Websites: [MyCourses](#) and www.math.mcgill.ca/gantumur/math315

Course number: MATH 315

Course title: Ordinary differential equations

Credit hours: 3

Prerequisite: MATH 222 (Calculus 3)

Corequisite: MATH 133 (Linear algebra and geometry)

Restriction: Not open to students who have taken or are taking MATH 325

RECOMMENDED TEXTBOOKS

- Dennis G. Zill. *A first course in differential equations*, Brooks/Cole 2013, 2009, 2005, 2001
- Dennis G. Zill and Warren S. Wright. *Differential equations with boundary-value problems*, Brooks/Cole 2013
- Dennis G. Zill and Michael R. Cullen. *Differential equations with boundary-value problems*, Brooks/Cole 2009
- [William Trench](#), *Elementary differential equations*, Brooks/Cole 2000

EXAMS AND HOMEWORK ASSIGNMENTS

There will be a midterm exam and a final exam. We will have at least one written homework assignment, and the rest of the assignments will be on [WeBWorK](#). All homework assignments will count towards the final grade. Late homework will not be accepted.

CALENDAR DESCRIPTION

First order ordinary differential equations including elementary numerical methods. Linear differential equations. Laplace transforms. Series solutions

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