

Syllabus: Ordinary Differential Equation I - MATH2404

Course Information

- Course Dates: January 7th to April 7th
- Lectures: Tuesday & Thursday 8:35pm-9:55pm
- Tutorials: Thursday 11:35am-12:25am
- Room-Lecture: SA 318
- Room-Tutorial: SA 316
- Office Hours: TBA

Instructor

- Course Instructor: Emmanuel Lorin (elorin@math.carleton.ca, office #4239)
- Teaching Assistant: TBA

Assessment

- Assignments: 25%
- Midterm Exam: 25%
- Final Exam: 50%
- No make up, early, or delayed Midterm or Final Exams, except for medical reasons (instructor must be notified within 48hrs of missed test and doctor's note must be presented). Otherwise, missing the exams will count as zero.
- Any missing assignment will count as zero. Penalties for late assignment submission are applied for equity: for each day or part of day that the item is late: reduction of the mark by 10% of the mark initially awarded.

References

- C.H. Edward, D.E. Penney, *Elementary Differential Equations*, 6th edition.

Course Content

- Introduction
- First-Order Differential Equations
- Linear Equations of Higher Order
- Power Series Methods
- Linear Systems of Differential Equations
- Numerical Methods
- Nonlinear Systems and Phenomena