

Syllabus : Ordinary Differential Equation I - MATH2454

Course Information

- Course Dates: September 9th to December 11th
- Online lectures : Videos will be posted on `culearn`.
- Online Tutorials : Online.
- Online office hour : `zoom` meeting every Thursday: 8:50-9:50am.
- Material, announcements, online meeting info., etc will be posted on `culearn`.

Instructor

- Course Instructor: Emmanuel Lorin

Assessment

For each assignment or exam, students will post their solution on `culearn` in a form of a **unique** PDF file.

- Assignments 25%.
- Midterm Exam 50%.
- Exam 50%.

References

- Books: W. E. Boyce, R. C. DiPrima, Elementary Differential Equations, 11th edition.

Course Content

- Introduction
- First-Order Differential Equations
- Linear Equations of Higher Order
- Linear Systems of Differential Equations
- Power Series Methods
- Stability, Phase space