Syllabus: Numerical Analysis - MATH3806

Course Information

- Course Dates: September 7th to December 9th

- Lectures: Monday & Wednesday 8:35am-9:55am

- Labs: Monday 5:25pm-6:25pm

Instructor

- Course Instructor: Emmanuel Lorin

Assessment

- Assignments 25%.

- Midterm Exam 25%.

- Exam 50%.

References

- Books: *Numerical Mathematics and Computing 7th Edition* by E. Ward Cheney, David R. Kincaid, Brooks/Cole.

- Programming: `matlab`

Course Content

- Introduction to Numerical Analysis & Mathematical Preliminaries

- Computer Arithmetic

- Nonlinear Equations

- Polynomial Interpolation

- Numerical Integration

- Numerical Methods for Ordinary Differential Equations