

## EML3041 Computational Methods

### What to Do In-Class Worksheet

Fall 2023

Week 12: November 6 – November 10

#### Chapters

07.05 Gaussian quadrature rule

#### Sequence of Work in Class for Tuesday

1. Physical Problems of Integration. Error in Trapezoidal Rule.

#### Sequence of Work in Class for Thursday

1. Introduction to ordinary differential equations
2. Do handout questions by yourself. Give justification and show work.
3. Redo the handout with your group of 2. Revise justification and solutions, if needed, and show your work.
4. Submit, if asked, the solution to a question at the end of the class

#### Sequence of Work in Class for Friday

1. Holiday

#### What if I Finish the Work for Day?

1. Solve the free response questions from chapter 07.05
2. Solve the problem-set questions at end of textbook chapters 07.01-07.06
3. Finish any left-over work from previous weeks.



The QR code is the link to textbook – use it for reference and solving more problems if finished. Alternatively use short link if you wish: <https://bit.ly/3RMpaAe>