EML3041 Computational Methods

What to Do In-Class Worksheet

Fall 2023

Week Eleven: Oct 31 – Nov 3

Chapters

07.00 Physical Problems
07.01 Prerequisites to Numerical Integration
07.02 Trapezoidal Rule
07.06 Numerical Integration of Functions Given at Discrete Points

Sequence of Work in Class for Tuesday

1. Lecture on review of integral calculus, Gauss Quadrature rule background
2. Sequence of Work in Class for Thursday

Sequence of Work in Class for Thursday

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

Sequence of Work in Class for Friday

1. No class.

What if I Finish the Work for the Day?

1. Solve the free-response questions from chapters 07.01, 07.02, 07.06.
2. Finish any leftover work from previous weeks.

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