

## General instructions

- For questions requiring subroutines, you are to implement them in MATLAB / Octave.
  - Provide comments to highlight the purpose of each section in the subroutine.
- Submissions should be uploaded onto the IVLE
  - Provide the major steps / derivations, solutions and discussions (if any). You can write them neatly and scan it, or type it out. Arrange the documents sequentially. Provide your name and matric number too.
  - Compress the write-ups and subroutines into a **single zip file**.
  - Name the zip file as “**CEXXXX\_Qno\_MatricNo**”  
(e.g. CE5377\_Q1\_A1234567Z.zip).
  - Upload onto IVLE folder “**Student Submission**” >> “**QnNumber**”.
  - Please understand that if you do not follow the steps, the grader will be looking at a large number of individual files, scattered all over the place in the IVLE system. He/she will not be able to pick and match all the files belonging to you.
- Unless extension is granted for special cases, late submissions will be penalized
  - -10% off total marks per day past deadline.
- Explain **clearly** your derivations and steps taken. Do **not** submit just your subroutines and final answers. Marks awarded will depend on the quality of discussions.

## Background homework: MATLAB familiarization

Refer to textbook “Numerical Methods using MATLAB” by Lindfield and Penny (available as an Ebook in NUS library). Go through the steps while reading the examples. The following chapters are useful:

- Chapters 1.2 – 1.5
- Chapters 1.8 – 1.10
- Chapters 1.16 – 1.17

Make use of ‘help’ function in MATLAB / Octave for more information on any unfamiliar commands (or ask your best friend Google for advice).

*Note: It is important to familiarize yourself with the basic functions of MATLAB. You will need it for the assignments.*