

EE 2000 Lab Session

Information and Instructions

Schedule

Due to holidays and the shared time-slots with other courses. The lab schedules of Monday sessions and Tuesday sessions are different. Here are the schedules:

Lab	Monday Sessions (L01, L02)	Tuesday Sessions (L03, L04/LA1)
Lab 1	Oct 9 (wk 6)	Oct 10 (wk 6)
Lab 2	Nov 6 (wk 10)	Oct 24 (wk 8)
Lab 3	Nov 13 (wk 11)	Nov 7 (wk 10)
Lab 4	Nov 27 (wk 13)	Nov 14 (wk 11)
Make-up	Dec 4 (wk 14)	Nov 28 (wk 13)

Pre-Lab

Please study the lab sheet carefully before the lab session. You may drop down the key points, key steps, precaution, or some knowledge that are not appeared in the lab sheet in a **Logbook**. The same logbook should be to record all findings, data, experimental and simulation results. The lab procedures and precautions are highlighted with video demonstration. Please view the video carefully to familiar with the procedures before the lab session.

Lab Safety and Precaution

Please aware the lab safety and precaution guidelines as given by the Department. You are not allowed to eat and drink in the Lab.

Lab Attendant

According to the course document, you need to attend at least **THREE** sessions (75%) in order to pass the course.

Please be punctuated. Sign your name and time on the attendant sheet on arrival. Cumulated late duration of every 30-minute period will result in one grade (up to two grades) deduction from your final lab report.

If you cannot attend the lab session for a good reason, please contact the course leader within 24 hours; attendant makeup will be entertained.

Checkpoints

To monitor your progress, there are some checkpoints in the lab exercises. Students must demonstrate their results to the lab tutors or lab demonstrators for their progress and results obtained.

Formal Lab Report

Students must submit an individual formal lab report on Lab 3 and logbook for all the four labs before **December 1, 2023** via the submission link in CANVAS. Contents of the lab report should include:

1. Objectives:

State the purposes of each exercise and the achievements in this lab. Please do not copy the objectives verbatim from the lab sheet.

2. Theory, Design, and Procedures

Give the background, theories of the work. Describe your design with the circuit diagram. Explain the functionalities of each circuit. Please ensure all figures and tables are consistent, legible and well labelled. Give the procedures of the design validation and simulation.

3. Results and Discussions:

Report and describe what you have observed in the lab. Present your results in a clear and concise manner.

4. Conclusions:

In this section, you should attempt to answer the questions:

What did you learn from this lab?

What did you do wrong (or what went wrong)?

How could you have improved upon your design procedures? Were your results as expected, or did you find something unusual?

Try not to include information that you have included in previous sections. Present the significance of your results conceptually, if applicable.