# ECED2200 Lab Requirements

We will be doing many labs, and to save time a condensed lab format is used. The suggested format is the following:

1. **Introduction/Background/Objective**
   Include a short paragraph (e.g.: a few sentences) about what the objective of this lab is, in your own words. You can include any general background you want too, but this is not required.

2. **Procedure**
   Only put modifications to the procedure here. You do not need to rewrite the lab procedure you have been given. You can simply say 'see lab handout'.

   If you have additional steps, because for example the lab handout required you to perform some design work, keep detail to a minimum and only provide a high-level summary.

3. **Observation/Results**
   Here you have observations of the labs, which includes truth tables and schematic diagrams or waveform diagrams. Hint: You can use the printscreen button on the computer keyboard to copy the screen to the clipboard, and then crop down the result in Word.

4. **Discussion**
   You should always include a brief discussion portion. If your results seem 'wrong', mention that, and suggest what might have gone wrong and how to fix that next time around. I also highly encourage you to provide feedback about deficiencies in the lab documentation here (e.g.: 'The procedure didn't include the following critical steps…').

   If the lab had any questions, you should answer them here.

5. **Conclusion**
   Include a short conclusion section. This should be loosely connected to the objectives, but does not need to mirror it exactly.

## NOTE

The objective of this lab format is to reduce useless work (e.g.: rewriting the long procedures), and keeping the lab report as a summary of your findings during the lab. **Emphasis is on hands-on learning**. You can still receive full marks for 'incorrect' observations if you identify them & have a likely source of error discussed. Do not simply falsify your observations based on what you think should happen.