

DESN2000 (Computer Engineering) 2026 T2
Assessment Guide for Laboratory Exercises (30%)

Lab format

- There will be **four lab sheets**. Each lab sheet will correspond to **two lab sessions** over two weeks.
- In the **first lab session**, the lab demonstrators will be available to assist you with any questions you may have about the labs or any difficulties you run into. You are not expected to complete all the tasks in this first session, but you are encouraged to read through all parts of the lab and make a meaningful start (it is recommended to get the first and second parts of the lab completed and marked). This way, you'll have a clear picture of what needs to be completed and can make the most of the demonstrators while they are available to help.
- In the **second lab session**, there will be limited opportunities for lab demonstrators to assist, as **marking will be prioritised**. You must request to be marked **45 minutes before** the end of the second lab session. **Do not wait until the end, otherwise you won't be marked. By the end of the second session associated with each lab sheet, you must have all tasks marked.**
- During marking, lab demonstrators may provide several input vectors (including edge cases) to test the correctness of your implementation. If your solution fails on any of these test cases and you were marked during the **first lab session**, there will be the opportunity to make corrections before the deadline (the end of the second lab session for that lab sheet).
- As soon **as you complete each task**, present your work to a lab demonstrator for marking. **Do not wait till the last minute.**
- If you successfully complete and have all tasks marked by the end of the first lab session, you are **not required** to attend the second session for that lab sheet.
- Please ensure you attend the lab session you are officially enrolled in, as there are limited workstations
- As the project will require a group of three, it is recommended that you form groups during the Week 1 lab. If you wish, you may complete the labs as a group and share the same implementation mark; your understanding will be marked **individually**.

Table 1 Summary of crucial assessment details

Type	Description
Submission	Show the completed exercises to the demonstrator during the lab
Due date	End of lab session in week 2, week 4, Week 7, week 9
Weighting	30% of the total grade (7.5% per each lab sheet)
Marking	Marked by the demonstrator individually
Late submissions	Not available. Please contact the lecturer if granted Special Consideration.
Marking evaluation	Determined by the demonstrator by evaluating your understanding and implementation of the lab

Marking criteria

The lab demonstrators will assess you and your group's implementation against a set of criteria covering basic functionality, responsiveness to inputs, handling of edge cases and adherence to the lab specification (note that all group members must be present for marking or otherwise absent team members would not receive marks unless receiving Special Consideration). This will give you your **implementation mark** for that specific part of the lab, which will then be scaled by your **understanding mark**.

To determine your understanding mark, the demonstrators will ask you lab-related questions whereby you must answer all of them correctly to score an understanding mark of 1.0 .

Your final mark for that part of the lab will then be calculated as **Final mark = Implementation mark × Understanding Mark**.

For example, if you score an implementation mark of 18 out of 20 for Lab 1 Part 1, but you receive an understanding mark of 0.75 out of 1.0, your final mark for that part would be calculated as $18 \times 0.75 = \mathbf{13.5 \text{ out of } 20}$.