

Lab instructions P2 2022

Introduction

This Module contains the instructions for the Lab Work in IE1204, fall 2022 P2 version.

There are 4 modules in the course, and there is lab work for each module.

Read through all sections in the module before starting the work.

It is recommended that you start from Module 1 and work in sequential order.

Later lab sections build on the knowledge in the earlier ones.

There are Notes in red that indicate important instructions to take note of.

Lab Kits

Lab kits will be distributed 2022-11-04 during lecture 3.

They are available in Room 305 during lab hours.

For spare parts, come to Room 305 during lab hours.

How it works

There are 22 Lab sessions in the schedule, Room 305, 15 - 17 Monday - Friday.

You may attend none, any or several of these if needed, and you can arrive any time.

One or more Lab Assistants will be available at these times to help you.

When you can demonstrate your working circuits the Lab Assistant will make a note of this in the name list.

You can do most of the work at home or in school outside of the scheduled Lab sessions.

You may work together with another student but you need to build the circuits on the breadboard yourself and test them, since some tasks are based on your date of birth.

Start writing your lab report as you finish Module 1.

Document your work with truth tables, K-maps, schematics, Logisim screen dumps, photos of the breadboard etc.

You may scan or photo your hand-written truth tables, K-maps and schematics.

More to read

Look at all pages under the Lab Module, these pages may evolve during the course

Don't miss the [Quick Reference and Data Sheets \(https://canvas.kth.se/courses/36215/pages/quick-reference-and-datasheets\)](https://canvas.kth.se/courses/36215/pages/quick-reference-and-datasheets).

If you run into problems, read the FAQs for the respective lab

Appendix A from the book, section A1, A2, A5, A6, and A7 may be useful for the labs.