

FYS3240/4240

Lab1: **LabVIEW** basics

- Install LabVIEW on own computer – see the first lecture and CANVAS.
- Read and do the exercises in the document «**Introduction to LabVIEW - 6-Hour Hands-On**».
- You select exercises from:
 - **Track B or**
 - **Track C.**

(Track A requires access to a DAQ-unit that is not available). Track B and C only requires a computer with LabVIEW installed.

If you select Track C, also have a look at *Exercise 1.1 Track B* to see how you can simulate a DAQ-unit.

Note that there are solutions to the programming tasks at the end of the document.

Note:

- The document is for an old version of LabVIEW. Therefore, the GUI etc. is not up to date.
- The DAQ-unit shown in the document is not available (and is not required)
- **No lab report or submission required for lab 1 since it is a tutorial.**
- Exercise 1.2: No files are required for the lab! Place a DAQ assistant Express VI on the block diagram (from Express - Input - DAQ Assist), draw a While loop around it (under Structures) and connect a STOP-button to the STOP-symbol.
- **Exercise 2.3: Refers to Data.vi from Exercise 3.2 but should be from Exercise 2.2.**
- **Skip Section VI (page 97 to 111) and skip Exercise 6.1.**