

## **TO-DO LIST – ADVANCED MASTER LAB - WS 2024/25**

Reading and understanding this to-do list is mandatory for participating in the advanced lab course. Therefore, you must acknowledge that you have read and understood the criteria for the Master lab course and seminar before you are allowed to start.

We will path a list during the **mandatory** safety lecture (Thursday, October 24, 12:00 – 14:00, HS B)

### **General**

- All students should register also in the Campus Management
- Read the Course Rules on our Web page
- Frequently check the web page (schedule and seminar) for changes

<http://www.physik.fu-berlin.de/en/studium/lehre/fortgeschrittenenpraktikum/fp-master/index.html>

- Work together!!! Each participant should take **active** part in all steps!

### **Experiments**

7 experiments (+ 1 repetition for preparation of seminar talk) have to be successfully performed

### **Preparation (before experiment)**

- Contact the tutor in advance to arrange schedule !!!
- Read all the instructions for your lab experiment in the wiki

<https://wiki.physik.fu-berlin.de/fp/doku.php>

- Prepare a pre-experiment report and send two days before the experiment to the tutor
  - Concisely describe the fundamental physics of the experiment
  - Contain a schematic draft of the experimental setup and the guidelines for the execution of the experiment.
  - Include answers to the questions / tasks in the instruction
  - Do not exceed five pages in length, normally two pages are enough.

### **Day of experiment**

- Be prepared and have a preliminary discussion with tutor on the experiment !
- Come at the agreed time. Please, be always on time!
- Get instructed by the tutor on the experimental equipment

- Make clear arranged data sheets, plots, etc.
- Try to finish as much of the experimental report as possible
- Get signature of tutor after the end of experiment

#### **After the experiment**

- Prepare an experimental report (< 15 pages)
- Reports have to be handed in within 2 weeks after the experiment
- Correction within 7 days by tutor
- Improve report according to corrections
- Schedule a final discussion (within 4 weeks after day of experiment)
- Certification by tutor

#### **Seminar**

- Active participation and discussion is expected during the seminar

#### **Seminar talk**

2<sup>nd</sup> appointment day for the same experiment (one week later)

- Revisit the experiment
- Clarify all questions / problems you have with the tutor
- Prepare your seminar talk
- Give a seminar talk to the tutor
- Contact the Supervisor of the Lab Course (Weinelt or Reich as assigned in the Course and Seminar Schedule)

Within 1 week after 2<sup>nd</sup> appointment

- Give a second rehearsal talk to the Supervisor of the Lab Course (Weinelt or Reich as assigned in the Course and Seminar Schedule)

**Please note:** For a partial recognition of the advanced lab course in this semester you need at least four successfully finished experiments. If not, you will have to redo the complete course next time.