Student Information Sheet

FOR PHYSICS LAB -1 114081

Laboratory Location and Phone Number:

Room 401 Physics building. Laboratory Phone: 07-78873671, 04-8293671.

Prerequisites:

To register for the laboratory, you must have already completed the course Physics 1 m (114071) or Physics 1 (114051). These courses are mandatory prerequisites and you cannot participate in this lab without the prerequisites.

A laboratory:

All of the information related to the lab appears in the Moodle system. There you can find the laboratory procedures, experiment schedule, contact details for the lab instructors and experiment guides. Assignment must be submitted only through the course Moodle. Messages and notifications for students will be posted through the Moodle and it is the students' responsibility to monitor posts on the Moodle.

Course requirements:

You must be on time to the lab sessions and you must submit reports by the date specified. You must attend all of the laboratory meetings. Cases in which a student has been found to copy of measurement data and / or reports from another student will be subject to disciplinary action.

The laboratory aims:

- To learn about the scientific approach to research and to learn about various measurement methods. To provide the student experience on how to perform an experiment intelligently and precisely.
- To acquire a skill to report on scientific findings in a report (article) or seminar, clearly and in agreement with academic standards.

Course structure:

The laboratory consists of six experiments. You must complete all six experiments in order to receive a grade. You must prepare for each experiment in advance, according to the experiment guide which is available via the site (see **"How to prepare for an experiment from the guide").**

Contents of the laboratory sessions:

- Opening session and introductory experiment (mandatory)
- Two additional introductory experiments
- Three full experiments

Components of the grade:

20% - Entrance test:

At the beginning of each experiment, you will be asked to sit for a quiz which examines your proficiency for the experiment. You will be given 15 minutes to complete the quiz. A student who arrives to the lesson more than 10 minutes late will receive a score of 0. Also, you cannot take the quiz twice. Students who are eligible for additional time must present the appropriate documents to the instructor.

The quiz is based on the experiment guide. To prepare for the quiz, read the experiment guide carefully and solve the preparatory questions. The purpose of the quiz is to assess the degree to which the student is prepared to perform the experiment.

40% - Experiment performance:

The instructor will give you an assessment on how you performed the experiment at the end of each class, six times a semester. Data collection and analysis will be carried out in MATLAB. At the end of each experiment, you must upload the measurements files to the experiment's log file on the laboratory's Moodle site.

40% - Final Report:

One week after each experiment you must submit a final report. The instructor will review your report and return it to you with feedback and comments. You must obtain a passing grade on each report in order to complete the task. You must submit your report through the Moodle site for the course. You must submit your report as a PDF file. The grade on all of the reports will be published at the end of the semester. Guidelines for writing your report and common errors in writing reports, appear on the Moodle website under "References".

Appeals:

Please read the Laboratory Rules (separate document, available on Moodle).