**KARADENIZ TECHNICAL UNIVERSITY**

**Faculty of Engineering**

**Electrical and Electronics Engineering**

**LABORATORY of FUNDAMENTALS of ELECTRICAL ENGINEERING**

**Rules to be followed in the conduct of each laboratory::**

* Attendance in the laboratory is mandatory at 80%. Those who do not attend 20% of the experiments will fail due to absence and will not be able to take the end-of-term exam.
* Before coming to the laboratory, each student must ***individually*** prepare a "Preparation Study Report" (a report formed by answering all relevant preparation study questions) and submit it to the experiment supervisor before starting the experiment. ***Students who do not submit will not be allowed to participate in the experiment.***
* The Preparation Study Report will be written in pencil or ballpoint pen. ***It will not be prepared with the assistance of a computer.***
* If similarities in the answers to the *Preparation Study Questions* are detected before the experiment, the relevant students***will not be taken to the experiment***.
* If similarities in the answers to the *Preparation Study Questions* are detected after the experiment, the grades for the Pre-experiment evaluation, Activity during the experiment, and the Post-experiment report of the relevant students***will be set to zero (0).***
* ***Every*** student should have the *"Experiment Worksheet"* document with them during the experiment duration. If the document is not present, the student ***will not be allowed to participate in the experiment.***
* The experiment supervisor can conduct a verbal exam on the participants before starting the experiment to see if they are ready and ***may not admit those who are not prepared***.
* Every student in the group will actively participate in the experiment and will take roles in connection and measurement processes.
* At the end of the experiment, ***each group*** is obliged to prepare an *"End of Experiment Report",* and this report will be prepared within the experiment duration after the practical part of the experiment is finished.
* *The "End of Experiment Report" is to be handed to the experiment supervisor at the end of the experiment period.*
* Since students are required to attend 80% of the laboratory class and there will be no compensation for the experiments, they need to pay attention to the weekly schedules.
* The *"Preparation Study Report"* and *"End of Experiment Report"* submission documents will definitely have cover pages.
* Every student in the laboratory area is required to sign the *"Laboratory Safety Rules Student Declaration Form"* and submit it to the laboratory supervisor before the experiment. Students who do not submit will not be allowed to participate in the experiment.
* The grading weights applied for the experiments are as follows:

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| --- | --- |
| **STAGE** | **WEIGHT** |
| Midterm Exam | %30 |
| Experiments | %20 |
| Final Exam | %50 |
| Genel Toplam | %100 |

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| --- | --- |
| **Experiment EXPERIMENT NAME** | |
| **E1** | CURRENT-VOLTAGE MEASUREMENT |
| **E2** | THEVENİN, NORTON THEROEMS |
| **E3** | NODAL ANALYSIS-SUPERPOSITION METHODS |
| **E4** | ALTERNATIVE CURRENT |
| **E5** | MAXIMUM POWER |

**EEE1007 – Fundamentals of Elec. Eng. Laboratory**