

## EEE202 Circuit Theory-II Laboratory

### Rules, Operation, and Report Guidelines

Dear Students,

Please read the following rules carefully. These rules apply to all EEE201 Laboratory sessions throughout the semester. Compliance with these rules is mandatory.

#### 1. Attendance and Laboratory Discipline

- Attendance is compulsory. Students must attend at least **80% of the laboratory sessions**. Students who miss more than **two experiments** will automatically fail both the laboratory and the course.
- Students who arrive **more than 15 minutes late** after the scheduled start time will not be allowed to enter the laboratory.
- Students are **not allowed to leave the laboratory during the experiment without permission** from the instructor.

#### 2. Preparation Before the Laboratory (Preliminary Work)

- Each experiment sheet includes a **Preliminary Work** section.
- This section must be completed **before coming to the laboratory** and written clearly on blank A4 paper as part of the laboratory report.
- All questions must be answered in detail, and all necessary formulas, calculations, and reasoning steps must be shown.
- Completing the Preliminary Work beforehand is essential for understanding the experiment and verifying the accuracy of the measurements obtained during the laboratory session.
- Students must bring the **experiment sheet** to every laboratory session.

#### 3. Laboratory Report Requirements

A separate laboratory report must be prepared for each experiment.

Each report must include the following sections:

##### 3.1 Preliminary Work (Completed Before the Experiment)

- Answer all questions clearly and completely.
- Show all calculation steps, formulas, and reasoning.

### 3.2 Experimental Work (Completed During the Experiment)

- Record all measurements clearly in **tabular form**.
- Draw all required **graphs on graph paper**, using proper scaling and labeling.
- Clearly draw all required **circuit diagrams**.
- Include all requested observations and experimental results.
- Students must have their experimental data sheet signed by the responsible Research Assistant at the end of each laboratory session. This signed sheet must be included in the laboratory report, and no modifications may be made after it has been signed.

### 3.3 Conclusion (Completed After the Experiment)

- Answer all conclusion questions thoroughly.
- Perform any required calculations or graph drawing that could not be completed during the laboratory session.
- Provide clear and meaningful interpretation of the experimental results.

## 4. Report Format and Submission Rules

- Each experiment requires a **separate laboratory report**.
- Reports must be prepared on **blank A4 paper**. Notebook-style reports will not be accepted.
- Each report must include a **cover page**.
- All pages must be **numbered**.
- Reports must be submitted in a **transparent plastic folder**.
- The report of each experiment must be submitted at the **beginning of the next laboratory session**.
- Late submissions may not be accepted.

## 5. Assessment and Grading

Your laboratory grade will be calculated as follows:

- Quizzes (4 total): **30%**
- Final Laboratory Exam: **40%**
- Laboratory Reports: **30%**

**Notes:**

- Quizzes may include questions related to:
  - Preliminary Work
  - Theory
  - Experimental procedures
  - Measurement techniques
  - Data interpretation
  
- Laboratory reports will be evaluated based on:
  - Completeness (all required parts are included)
  - Accuracy (correct calculations, correct measurements, and correct results)
  - Clarity
  - Proper formatting
  - Correct use of tables, graphs, and circuit diagrams
  - Quality of the conclusion and analysis

**6. Communication**

If you have any questions regarding the EEE202 Laboratory, please contact the instructor via e-mail.