EE314 – ELECTRONIC LABORATORY I

(2017– 2018 Spring)

LABORATORY REGULATIONS

PLEASE READ CAREFULLY!

You are responsible of knowing the laboratory instructions.

Grading:

- Quizzes: 10 %
- Laboratory Performance: 10 %
- Reports: 30 %
- Term Project: 30%
- Written & Practical Midterm Examination: 20 %

Preliminary Work:

A preliminary work, which should be studied in order to learn the content of the experiment, will be assigned for each experiment. Preliminary works will be mostly reading assignments and the review questions, if they exist, will not be collected or graded. However, you **WILL NOT** be allowed to do the experiment without your preliminary work. You are strongly advised to study those questions in the preliminary work, since your instructor will either ask them in the **quizzes** or during **experiments**. DO NOT HESITATE TO ASK PRELIMINARY WORK QUESTIONS TO YOUR INSTRUCTORS BEFORE COMING TO THE EXPERIMENTS. Preliminary work has also to be prepared in the required format as the laboratory report. (See the "Report" section.)

Quizzes:

A quiz will be given at the beginning of each experiment. Latest time for the beginning of a quiz is the 5 minutes later than the starting time of the laboratory section. For instance, if a section starts at 8:30, the quiz starts immediately at 8:35. Duration of each quiz is only 5 minutes. No extra time is allowed to the students who are late and the missed quizzes are graded as 0. Students with grades less than or equal to **3** out of **10** will automatically take **half** of their performance and report grades from that experiment.

Report:

All the measurements must be completed during the experiments and the results must be noted carefully before leaving the laboratory. A formal report about the experiment should be prepared after the experiment and submitted to the instructor at the beginning of the next experiment. Each team of two students will submit one report including:

- Name of the students and Name of the instructor
- Date and section number
- Name of the experiment
- The objective of the experiment
- Graphical results and measurements
- Comparison of the results with the expected ones
- Conclusions

The reports should be written on A4 white paper in a neat and tidy manner. The graphs should be plotted on commercial A4 graph paper. The reports should be submitted at the beginning of the next laboratory session; any late reports will not be accepted.

Reports must be signed by all group members before submission. Otherwise, students who did not sign will be evaluated as no report submission for such members in the experiment group. **More detailed explanation about preparing a report is given in the document "How to prepare a report" which can be found on the course website.**

Written Midterm Exam:

A written examination will be given on the date announced by the department. This midterm

examination will include the theoretical and practical concepts covered in the laboratory.

Practical Midterm Exam:

Each student is required to take an experimental Midterm examination in the laboratory. Written and practical midterm examinations can be held in different times.

Schedule:

There is no break during the experiments!!

- Section 1: Tuesday 13:30 – 15:15 (Quiz starts @ 13:35)
- Section 2: Tuesday 16:30 – 18:15 (Quiz starts @ 16:35)

Equipment:

Each team has to bring A4 white papers to write measurements and notes about the experiment. Calculator may be used during the quiz and the experiment. The students are responsible from the equipment on their experiment table. Exchanging of equipment is not allowed among the tables without the permission of the instructor. Circuit components will be given to you, but for some experiments, some specific components can be desired to bring with you.

Syllabus:

There are totally 10 experiments. Experiments start on February the 27nd with the first experiment.

Attendance:

The students should attend all the experiments. **Those who miss three experiments without any allowable excuse (medical report or coinciding exams) will directly be graded by NA. Only two medical reports will be accepted and for them only one makeup will be given.** No student will be allowed to take lab. in another lab. section other than his own for any reason [other than a medical report and any conflicting exam].

If you have a medical report or a conflicting exam, you should consult your instructor with a written formal request and your request will be assessed whether you will be given a makeup.

Papers indicating that you were at the health center during your experiment time will not be counted as a medical report.

Course Webpage:

The students are responsible for regularly checking the course webpage for further announcements.

Course webpage: **Visit instructor's webpage regularly for announcements and for experiment manuals.**
http://akademik.adu.edu.tr/fakulte/muhendislik/personel/cdeniz/dersler