Ryerson University
Department of Electrical, Computer, & Biomedical Engineering
Faculty of Engineering & Architectural Science

ELE 632 Signals and Systems II

Lab Assignment Information

General Information

- All lab assignments to be done virtually.
- Students can only attend the lab sections to which they are registered.
- All information on ELE 632 labs, lab assignments, software packages are accessible from the ELE 632 course page on D2L accessible through my.ryerson portal. Once you are on the ELE 632 course page select the **Lab Assignments** menu item.

Laboratory Regulations

The following set of regulations are guidelines for completing the lab assignments in an efficient and productive way. Adherence to these set of guidelines will allow you to achieve a complete learning experience from working on the experiments.

In ELE 632 Signals and Systems II course you will work on five experiments:

1. Time-Domain Analysis of Discrete-Time Systems -Part 1
2. Time-Domain Analysis of Discrete-Time Systems-Part 2
3. Discrete-Time Fourier Series
4. Discrete Time Fourier Transform
5. Sampling and Discrete Fourier Transform

The **Lab Assignments** menu item on the ELE 632 course page on D2L provides links to individual assignments. Through these links you can access assignment documents (e.g. ELE632-Lab1.pdf), information on the completion deadlines, any applicable MATLAB/SIMULINK file(s) that you may need for the assignment. Each assignment document presents objectives, experiment procedures and discussion questions.

- You will work in groups of no more than two. Please inform the membership of your lab group to your lab instructor before the end of your first lab session.

Report

- Each group will submit one report for each assignment (Experiment 1–5).
- Reports must be submitted in PDF format.
- The report must include answers to questions listed in the Lab Activities section of the lab document. Answers may include numerical results, plots generated, code segments and/or other information as appropriate.
- The report should clearly describe and explain your implementation/design choices and present any calculations you have performed. The report should also include your measurements and observations about the signals generated for each part of this experiment, as well as a discussion of the challenges you may have encountered while completing the assignment.
- All reports will be assessed not only on their technical/academic merit, but also on the communication skills exhibited through the report.
- All reports must include the standard cover page signed by all students in the group. Submissions without the cover pages will not be accepted. A copy of the cover page is available from the **Lab Assignments** menu item on the ELE 632 course page on D2L.
- The report will accurately represent the findings of the group for that particular assignment.

Submitting your Report

- Reports must be submitted electronically via D2L.
- The deadline to submit each report is shown on D2L.
- **Late submission will not be accepted and will receive a mark of ZERO.**