ECE 348: Digital Signal Processing Lab – Spring 2021

Instructor

Prof. Waheed U. Bajwa (`waheed.bajwa@rutgers.edu`)
723 CoRE, Tel. 848-445-8541

Teaching Assistant

Spilios Evmorfos (`se386@scarletmail.rutgers.edu`)
<u>Zoom Office Hours:</u> By appointment only (setup the appointment using email)

Modes of Communication

<u>Piazza:</u> `http://piazza.com/rutgers/spring2021/ece348/home` (all lab-related discussions)
<u>Emails to the TA and/or the Instructor:</u> Only for questions of personal nature

Zoom Lab Timings

Section 1: Tuesdays, 6:40 PM–9:40 PM (Eastern)
Section 2: Thursdays, 8:40 AM–11:40 AM (Eastern)
Section 3: Fridays, 10:20 AM–1:20 PM (Eastern)

Lab Calendar

The labs will start with Section 1 on Jan. 26 and end with Section 3 on Apr. 16, on a *somewhat* biweekly basis. There will be a total of five labs, which will be held during the following weeks:

1. **Lab #1:** Week of Jan. 25

2. **Lab #2:** Week of Feb. 8

3. **Lab #3:** Week of Mar. 1

4. **Lab #4:** Week of Mar. 22

5. **Lab #5:** Week of Apr. 12

Prerequisites

Fluency in the use of Matlab and co-enrollment in ECE 346 (or having completed ECE 346 in a prior semester). Matlab is freely available to Rutgers students through the RU Software Portal.

Lab Policies

General Instructions.   Before the beginning of each lab, the TA will share recorded video instructions with the students on Canvas. Students <u>must</u> watch the shared video before their respective lab sessions. The two-period lab sessions will be primarily used as Q&A sessions, where students will individually work on their labs and seek help from the TA about any roadblocks that they might hit. Rather than going linearly over the lab, the students should utilize the lab sessions to ensure they grasp the overall concepts, so that they can successfully finish the lab reports <u>within two weeks</u> of their respective lab sessions.

Division of Grades.   There will be a total of <u>five labs</u>, each accompanied by a three-hours mandatory attendance session, in this course. Each lab will involve submission of a lab report, which will carry 20% of the lab grade.

Lab Report.   The grading of the lab will be based upon the lab report, which will be <u>due two weeks</u> after the start of the lab session. Since students will be given two weeks from the beginning of their respective lab sessions for completion of the report, there will be <u>absolutely no acceptance of late submission</u> of lab reports. Also, no plagiarism will be accepted in the lab reports (which includes copying from other students, asking an online tutor to complete the lab, etc.). Anyone found guilty of plagiarism and anyone enabling plagiarism will be subject to severe penalties.

Lab Attendance.   In order to get credit for a particular lab, students must attend the corresponding three-hours lab session in its entirety. The TA will take attendance at various times during the lab session and failure to be present for the entire duration of the lab session will lead to either severe deduction of points or zero credit. The only exception to this rule is when a student finishes the lab work within the three-hours session, in which case they should confirm this with the TA and then they can leave the lab session.

Makeup Lab Sessions.   As a general principle, there will be no makeup lab sessions. However, if you are in a true, verifiable emergency then you must request a makeup <u>at least one week</u> before the scheduled lab time directly from the instructor (and not just the TA). If granted, the student will be asked to join another lab section in the same week for the missed lab. This will be the only allowable form of makeup.

Academic Integrity Policy

It is important that the students enrolled in this course familiarize themselves with the Rutgers Academic Integrity Policy, `http://nbacademicintegrity.rutgers.edu/home/academic-integrity-policy/`, and the definition of plagiarism (`www.plagiarism.org/plagiarism-101/what-is-plagiarism/`), which includes code plagiarism. It is also important for the students to realize that pseudo-tutoring from platforms such as *Chegg* and *Course Hero* that results in obtaining solutions to the labs is a serious academic misconduct. Note that all cases of academic misconduct in the course, whether minor or major, will not only be reported to the Office of Student Conduct, but will, in most cases, also result in loss of one or more letter grades.