Course Syllabus

Jump to Today

Co-requisite

E3801 Signals & Systems

Method of Instruction

There are three sessions for each lab. Each student is assigned a session to complete the lab. The LA will be present in the computer room to help the students. **Students are required to complete each lab on-site and submit the work to the LA to get a grade.**

Method of Evaluation

The basic requirement of this course is that you must come to the lab at your assigned time slot and complete each assignment on-site. You will get an "A" if you complete all six labs; a "B" if you miss one; a "C" if you miss two; a "D" if you miss three; and an "F" if you miss more than three.

Schedule

There are six labs in this course. Students are required to complete each one in the lab during their assigned time slot. You will need to use Lathi's text during the lab sessions. You can download the lab manuals under "Files".

Lab 1 -- Introduction to Matlab: week of Sep. 15.
Lab 2 -- Elementary Signals: week of Sep. 29.
Lab 3 -- AM Modulation: week of Oct. 20 (Pre-lab: read Section 4.7 of Lathi's text.)
Lab 4 -- Sampling: week of Nov. 10 (Pre-lab: read Sections 5.1, 5.1-1, 5.1-2 of Lathi's tex
Lab 5 -- Feedback Control: week of Nov. 17. (Pre-lab: read Section 6.7 of Lathi's text)
Lab 6 -- Analog Filter Design: week of Dec. 1. (Pre-lab: read Sections 7.5, 7.6, 7.7 of Lathi's text)

Course Summary:

Date	Details	Due
Fri Sep 19, 2025	Lab 1: Introduction to MATLAB (https://courseworks2.columbia.edu/courses/228109/assignments/1525488)	due by 11:59pm

Date	Details	Due
Fri Oct 3, 2025	**Lab 2: Elementary Signals (https://courseworks2.columbia.edu/courses/228109/assignments/1525824)**	due by 11:59pm
Fri Oct 24, 2025	**Lab 3: Amplitude Modulation (https://courseworks2.columbia.edu/courses/228109/assignments/1525842)**	due by 11:59pm
Fri Nov 14, 2025	**Lab 4: Sampling (https://courseworks2.columbia.edu/courses/228109/assignments/1525854)**	due by 11:59pm
Fri Nov 21, 2025	**Lab 5: Feedback Control System (https://courseworks2.columbia.edu/courses/228109/assignments/1525860)**	due by 11:59pm
Fri Dec 5, 2025	**Lab 6: Analog Filter Design (https://courseworks2.columbia.edu/courses/228109/assignments/1525865)**	due by 11:59pm