

Amplitude Modulation Lab Report and Grading Format

1 Report Format

1. Briefly explain what you did in the lab
2. Show the Results/plots, you can use excel or a snap shot or draw it by hand. T7, T8, T11, T12, T13, T17, T18
3. Matlab Code (print the code for the following question with the report and also submit the .m file on Sakai, please save it as AMLaba_yourname.m)
 - (a) Generate a sinusoid of 2KHz. Take the fft of the signal and plot the magnitude and phase spectrum. Also plot the real and imaginary parts of the fft. The plots should be scaled properly to get the correct amplitude and should be located at the correct frequencies. You can use f_s as 10KHz.
4. Answer the following questions TUTORIAL QUESTIONS
 - (a) [REDACTED] Q1, Q4, Q6
 - (b) [REDACTED] Extra Credits; Q2, Q3, Q5

2 Grading format

The lab will be graded for a total of 10 points. There is an option for extra credit, you will not loose any points.

1. 4 points for Steps 1.1 - 1.2
2. 3 points for Steps 1.3 (Matlab)
3. 3 points for Step 1.4 (for answering the questions)

[REDACTED]

You can work in groups but everybody should submit an individual report. Feel free to write any other comments (what did you like about the lab and what you didn't, so forth).

[REDACTED]