

Dan Otieno

EE 316.

Lab 5: Prelab Assignment.

Assignment details: Read lab manual, fill the theoretical data for tables 5.1 and 5.2.

LOW-PASS FILTER

F (Hz)	Gain (dB)	Phase Angle (Degree)
25	-0.106	-8.93
50	-0.409	-17.44
75	-0.871	-25.23
100	-1.445	-32.14
150	-2.761	-43.3
200	-4.115	-51.49
300	-6.583	-62.05
500	-10.362	-72.34
600	-11.822	-75.14
700	-13.084	-77.19
800	-14.194	-78.75
900	-15.182	-79.97
1000	-16.072	-80.96

HIGH-PASS FILTER

F (Hz)	Gain (dB)	Phase Angle (Degree)
25	-16.183	81.07
50	-10.466	72.56
75	-7.406	64.77
100	-5.481	57.86
150	-3.275	46.7
200	-2.131	38.51
300	-1.077	27.95
500	-0.419	17.66
600	-0.295	14.86
700	-0.219	12.81
800	-0.169	11.25
900	-0.134	10.03
1000	-0.109	9.04

Values were calculated using the formulas provided in the lab manual.