

ECE 438 Digital Signal Processing

Week 9: Digital Filter Design (Week 1)

Date _____

Section ____

Name	Sign	Time spent outside lab
[%]		
[%]		

Grading Rubric (Fall 2019)

	below expectations	lacks in some respect	meets all expectations
Completeness of the report			
Organization of the report <i>One-sided, with cover sheet, answers are in the same order as questions in the lab, copies of the questions</i>			
Quality of figures <i>Correctly labeled with title, x-axis, y-axis, and name(s)</i>			
Understanding and implementation of simple FIR filter (40 pts) <i>Difference eq., flow diagram, impulse response, plots of magnitude response, plots of original and filtered signals and their DTFT, matlab code, questions</i>			
Understanding and implementation of simple IIR filter (40 pts) <i>Difference eq., flow diagram, impulse response, plots of magnitude response, plots of original and filtered signals and their DTFT, matlab code, questions</i>			
Understanding parameters of lowpass filter design (20 pts) <i>Magnitude response plots with marked regions, questions</i>			