ECE 438 Digital Signal Processing
Week 6: Digital Filter Design (Week 1)

Date _____

Section ___

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

Grading Rubric (Spring 2020)

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