

## Lab 9 Prelab Grading Sheet

**NAME:** \_\_\_\_\_

**Answer the following questions to turn in before starting your lab assignment.**

1. What are some advantages of digital filters compared to analog filters?
2. What is the main difference between digital filters in Labview and Matlab?
3. List three different design methods of digital filters.
4. Why is it better to use a logarithmic scale when plotting magnitude response for digital filters?
5. What's the relationship between impulse response and step response?
6. What are differences between FIR and IIR filters?

## Lab 9 Grading Sheet

**PARTNER NAMES:** \_\_\_\_\_

**Part 1:**

TA check off \_\_\_\_\_

**Part 2:**

<i>Parameter Name</i>	<i>Value</i>
Filter Type	
Sampling Frequency	
Passband Edge Frequency	
Passband Ripple	
Stopband Edge Frequency	
Stopband Attenuation	
Design Method	

TA check off \_\_\_\_\_

**Part 3:**

Comment: \_\_\_\_\_

TA check off \_\_\_\_\_

**Part 4:**

\_\_\_\_\_  
 \_\_\_\_\_

TA check off \_\_\_\_\_

**Part 5:**

Sampling frequency= \_\_\_\_\_

Dominant frequency range = \_\_\_\_\_ for useful signal

Attach configuration dialog box of Digital Filter Design

TA check off \_\_\_\_\_