

# ECE 438 Digital Signal Processing

## Week 8: Discrete Fourier Transform and Fast Fourier Transform Algorithms (lab 6b)

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 <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 of the frequency range of DFT and effects of zero-padding (50 pts) <i>DFT and DTFT plots, matlab code (DTFT samples), questions</i>			
Implementation of Divide-and-Conquer DFT and FFT (50 pts) <i>Matlab codes (dcDFT, fft2, fft4, fft8, fft_stages), questions</i>			