

**ECE 586 BH: Interplay between Control and Machine Learning**      **Fall 2023**

## Homework 4

Instructor: Bin Hu

Due date: Dec 5, 2023

For this homework, there are no “correct” answers. So be creative! As long as you write your own ideas, you will get full credits.

**1.** (50 points) Can you think about one connection between denoised diffusion models and control?

**2.** (50 points) Can you think about one connection between large language models and control?