

# ENGR 3421: ROBOTICS I

## GPIO

Dr. Lin Zhang

Department of Physics and Astronomy  
University of Central Arkansas

August 31, 2021



# Outline

Python Review

PWM

Motor Driver



# Outline

Python Review

PWM

Motor Driver



# Variables

- a variable can store anything: number, list, object,...
- Use "=" to feed contents to a variable



# Conditions

- Use a condition for your loop.



# Assignment Hints

- 1 "while" loop takes care of things happened in 0.02 seconds.
- Either set the LED brightness with a specific duty cycle or make it a constant.
- Read [gpiozero](#) documentations, implement some [recipes](#).



# Outline

Python Review

PWM

Motor Driver



# PWM





# Outline

Python Review

PWM

Motor Driver



# Motor Driver

