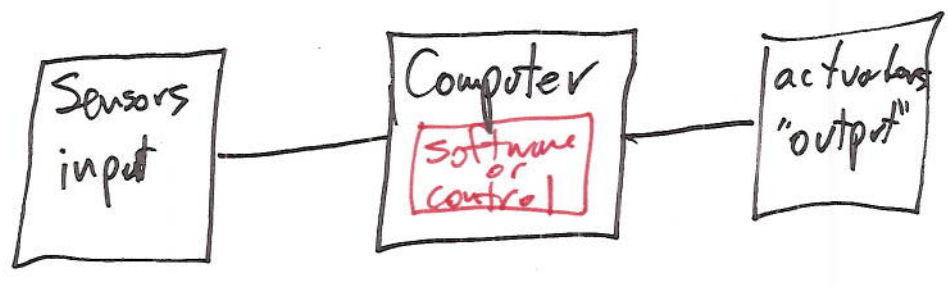


ECGR 4161/S196/6090 - 5/23/2011

①

# Lab 0



Actuators: motors

## Sensors

Ultrasonic

IR/  
light  
sensor

Bump  
sensor

Sound  
sensor  
(microphone)

ECGR 4161/S196/6090 - 5/23/11

(2)

Autonomy → what is a robot

Robot:

sensors  
actuators  
responds to stimuli

Autonomous

Robot ~~with~~  
that is mobile  
that on its own

---

Class is not:

LabVIEW tutorial/instructional

Class is:

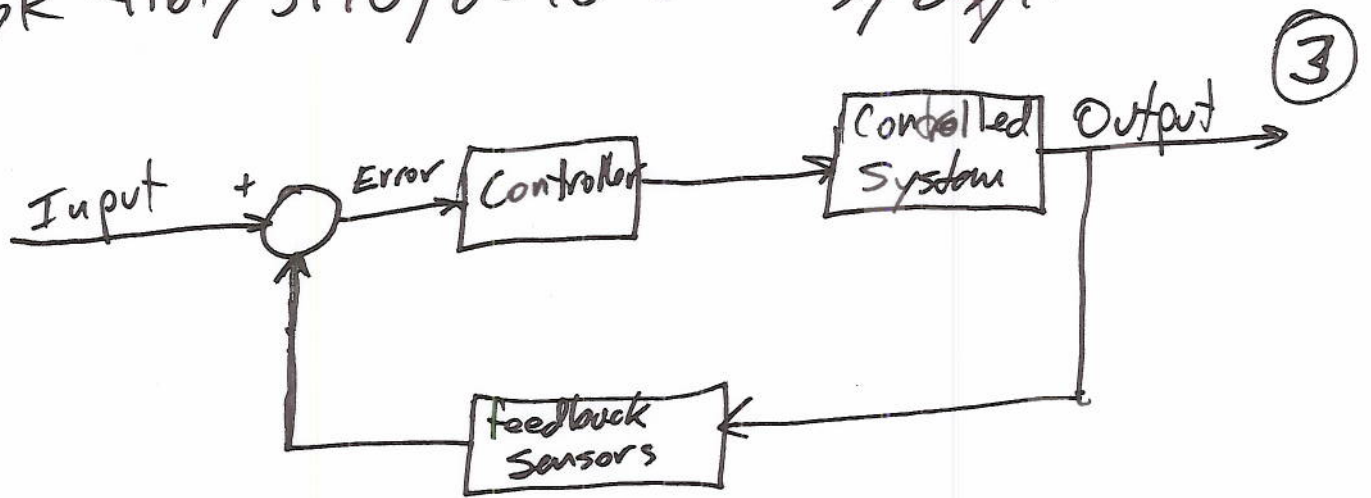
Robotic Technology

---

Isaac Asimov: 3 laws of Robotics

1. Never harm a human
2. obey humans (unless it violates 1)
3. Do not harm another robot (unless it would violate 2 & 1)

ECGR 4161/5196/6090 - 5/23/11



Lab 0 Input desired

---

Assignment for next class

→ play with Mindstorm (make sure it works)

→ Tried software in Woodward 203

→ Buy book