



# **ECE375 Lab I**

**TA:**

School of Electrical Engineering and Computer Science  
Oregon State University

# Information

- Lab website

- <https://web.engr.oregonstate.edu/~jangha/ece375/>
- All lab materials can be found in here.

- Canvas

- Assignments should be submitted via Canvas.
- Gratings for each lab will be updated by the beginning of following week's lab.

# Must-know Policies

- COVID-19
  - Face covering is recommended.
  - Stay home and alert your TA when you test positive or have symptoms.
- Lab sessions
  - Will only be used for check-offs.
  - Only your lab TA can get you checked off.
  - Check-offs are based upon the principle of students must be present on site.
- Office Hours
  - TAs will run their office hours at the lab.
  - Asking for debug-helps must be gone through office hours or separate appointments.
    - Note, we do not respond to your email that contains code.
    - Because we need to check both hardware and software to examine.

# Work Policy

- You can work alone or in a group as you prefer.
  - A group can have no more than two people.
  - Your partner should belong to the same lab session.
  - You may change the partner for each lab.
- For whom works in a group
  - Every individual must submit assignments.
  - You and the partner must submit the exact same file.
  - Your file must include your partner's names to prevent plagiarism issues.
  - Pre-labs are independent. It must be done separately.
- Recycling your work from the previous terms is **forbidden**.

# Assignments

- Assignments must be submitted via Canvas.
- Every assignment must follow the naming convention explained in the lab website.
- Your report files must use templates provided in the lab website.
- Your Code(asm) file must include you and your partner's name at the top.
- No late work is allowed.

# Plagiarism Policies

- Our policy is directly reporting you to the department as academic dishonesty.
- If you're in a group, you and the partner is on joint responsibility.
  - It's also your obligation to manage your partner.
- Plagiarism checking will happen at a random time.
  - Don't waste your whole work of a term by falling into one-time temptation.
- It is never allowed to represent another person's work as your own even just the small part.

# Plagiarism includes

- Excluding your partner's name.
  - The plagiarism checker will raise a red flag when you both submit the same file but does not specify both names.
- Recycling your code from the previous terms.
  - You can't reuse the previous work of yours or your partner's.
- Partially picking or copying code.
  - Cherry picking for code is a bad temptation.
  - We don't care whether you understand the code or not.
- Deceiving by changing names of registers or comments.
  - Don't presume the plagiarism checker is stupid enough.



# Gradings

- Lab reports : 30%
  - You lose half if your report file doesn't include your code in the bottom.
- Check-offs : 70%
- You will receive zero for both if you miss either of a lab report or check-off.



# Lab I Check-off Instructions

- Download your submitted code in Canvas.
- Compile and flash the code to an AVR board.
- Demonstrate it's correctly working.
  - Although you didn't make it to complete the lab, show your work to TA to get partial credits.
- Explain your code.
  - TA will ask some questions regarding the code. Poor answering will take away some credits.
  - Adding comments in every line is required.

# Lab Introduction

- Lab I is to let you familiarized with software and the board.
  - Follow the **Installation Guides** in the Lab webpage.
- Download the example code and program in your AVR board.
- **Modify** the sample code so the TekBot **reverse for twice as long** before turning away and resuming forward motion.
- Show to your TA it runs with correct Bumpbot behaviors accordingly to different triggering whiskers.

# Announcements

- Write-ups required for lab1 report.
  - Your report files must use templates provided in the lab website.
- Submit files before the next lab.
  - lab1 report
  - source code
  - pre-lab2

# Questions?

