

ECE 100 Laboratory Manuals

Illinois Institute of Technology ECE Dept

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Laboratory 1 - Introduction

1.1 Prelab 1

Due Date Week of August 30th-September 3rd, 2021 in lab section. Submit report electronically before start of Lab via Blackboard (check assignments folder)

Subject Section #, FirstName LastName

Body “I have read and will comply with the ECE 100 Course policies”

Short Answer Questions

1. What is a microprocessor? What is a microcontroller?
2. What is the difference between a microprocessor and a microcontroller?
3. Is an Arduino a microprocessor or microcontroller?

Additional Task Please complete Google Form attached at link below. Attach a screenshot of the “Response Sent” screen to verify completion. [Google Form Link](#)

Additional Task Bring Robot Kit to your lab section

1.2 Post-Laboratory Report 1

Due Date Week of September 6th-September 10th, 2021 in lab section. Submit report electronically before start of Lab via Blackboard (check assignments folder)

Contents No report necessary. Meet with team members and brainstorm ideas for next lab session

Laboratory 2 - Initial Brainstorming

2.1 Prelab 2

Due Date Week of September 6th-September 10th, 2021 in lab section. Submit report electronically before start of Lab via Blackboard (check assignments folder)

Subject Section #, FirstName LastName

Body “I have read and will comply with the ECE 100 Course policies”

Short Answer Questions

1. What is a microprocessor? What is a microcontroller?
2. What is the difference between a microprocessor and a microcontroller?
3. Is an Arduino a microprocessor or microcontroller?

Additional Task Please complete Google Form attached at link below. Attach a screenshot of the “Response Sent” screen to verify completion. [Google Form Link](#)

Additional Task Bring Robot Kit to your lab section

2.2 Post-Laboratory Report

Due Date Week of September 6th-September 10th, 2021 in lab section. Submit report electronically before start of Lab via Blackboard (check assignments folder)

Contents No report necessary. Meet with team members and brainstorm ideas for next lab session