

CS286-001: Lecture Note (Lecture #5, September 9, 2026)

1. Distribute:

- Attendance card
- Quiz #4 Question List (scheduled on 9/23 (Wednesday))

2. Announcements:

- Fujinoki will be presenting his research papers in a conference (no lecture on 9/14 and 9/21)
 - **9/14 (M):** your project day (Program #3 of Project #1) – study the floating-point instructions

Six sample MIPS source code files are posted to the course website
Some sample programs are available in Appendix-B in the textbook.

- **9/16 (W):** Implement your Program #3 (using the floating-point instructions you study on 9/15)
- **9/21 (M):** Homework questions will be assigned, which will be included in Quiz #4 scheduled on 9/23.

Homework Questions: #7, #8, #9, #10, #11, #13, #15, #16, #18, #21, #22, and #23 (in the list of Quiz #4 question list)

- All PPT slides have been temporarily removed from the course home website to replace SIUE logo
 - The removed slides will be re-uploaded to the website after the logo is replaced (or removed)

3. Wrapping Up Project #1 Introduction

- Last time:
 - Labels
 - **li** instruction
 - **la** instructions
 - **lw** instructions
 - SPIM system calls ("**syscall**")
- Today
 - **add** and **sub**
 - conditional braches: **beq**, **bne**, **blt**, **bgt**, ... etc.

- branch: **g**
 - arithmetic instructions: **add, sub, xor, ...**
 - move instructions
- Floating-point MIPS assembly instructions (Program #3 of Project #1)

4. Quiz #3 (2:35-2:45)