Course Overview

Coursework & Evaluation

• Assignments: 55%
  - Homework assignments (9): 10%
    • deadline: hard deadline, due by class time on the given due date
    • submission: email to me with the subject follows the format “CS232 Fall2017 HW# — Your Name”, grade based on submission
  - Projects (9): 45%
    • deadline: due by the midnight on the due date, late submission will receive a maximum score of 26/30, one three-day extensions (except the final project)
    • submission: source codes to filer.colby.edu, write-up on wiki

• Exams: 40%
  - Weekly quizzes (9): 25%
    • usually every Friday
    • the lowest one can be dropped
  - Final: 15%

• Class Participation: 5%
  - attendance
  - ask and answer questions

Overview of Computer Organization

Why do we care?

• The hardware no longer becomes a magic black box
• Software runs on hardware: write better software
• Low-level software needs to know hardware details

Hardware parts of a computer?
Basic Concepts

Terminology

- Bit & Byte (KB, MB, GB, TB, PB)
- Hz (kHz, MHz, GHz, THz)