

CE450 COMPUTER ARCHITECTURE

SILICON VALLEY UNIVERSITY
ALLEN CHEN
05/13/15

5/14/15

CE450 Computer Architecture Class Rules

1. **Grade Policy: Homeworks /Quizzes : 30%**
Attendance/Performance : 20%
Midterm Test : 25%
Final Test : 25%
2. **Executable Absence: Sick, Jury Duty, School approval, Document Required.**
3. **3 non-executable absences result in WF.**
4. **Cheating/Copy in homework/quiz/test gets 0 point on that item and subject to school policy.**
5. **Non-executable late homework gets 50% discount on that homework.**
6. **Late, early leave class, talking, eating, gets 50% discount on Class Attendance.**
7. **Textbook: Computer Organization and Design**
David A. Patterson and John L. Hennessy 5th Edition ISBN: 978-0-12-407726-3

UNIT 1 HOMEWORK

1. What are the computer types in terms of computer application ?
*personal, server, super computer
embedded computer.*
2. What are the new computer styles after the PostPC era ?
PMD, cloud
3. What are the functions of compiler and operating system ?
*compiler: convert HLL code to machine code.
OS: Manage I/O & data storage, schedule & execute task resources*
4. What are the computer hardware components and computer functions ?
*resources
→ UI devices: keyboard, mouse, screen.
→ Storage devices: hdd, memory, CD/DVD
→ Network adapters: for communication*
5. What are the factors will affect the program performance ?
programm: language, compiler, OS, architecture, processor & memory, I/O devices