Comp Org: Dimitrios Damopoulos

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Room: Lieb 312

Office Hours: M 5-7, T 4-6, R 4-6

Attendance: 5%

Exams (3@10/each): 30%

Theoretical Assignments: 20%

Assembly Assignments: 20%

Final: 25%

Software: Arduino IDE and Atmel Studio

Types of memory:

Primary Storage, Working Storage, and RAM.

Bits: 0 or 1, 8 bits are 1 byte.

Stored program concept, holding instructions and data.

Computers always have:

At least one CPU

Memory to hold programs/data

I/O devices

Long-term Storage

HTTP: From Web servers to browsers.

TCP/IP: Between computers on the net and LANs

SATA: Between storage devices and computers

XML, RSS, SIP: new protocols for new demands

Dennis Ritchie: wrote C, rewrote UNIX, which introduced:

Hierarchical file system

Shell concept

Document production and formatting

Tools for networked and distributed processing