

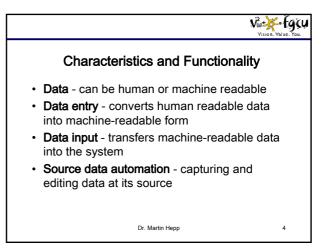


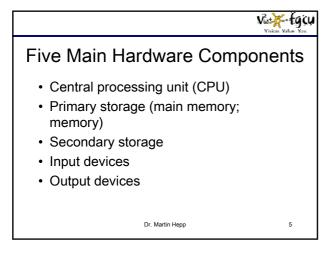
Assignment for Next Class

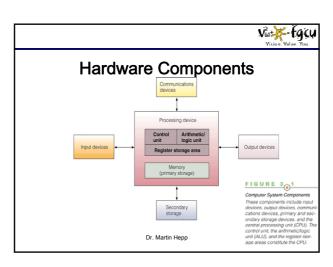
- Read chapter 4 (pp. 130 171)
- Self-Assessment test (pp. 171-172)
- Check that you know the key terms listed on p. 171
- Prepare review questions 1, 13, 14
- Prepare case studies 1, 2, 3!

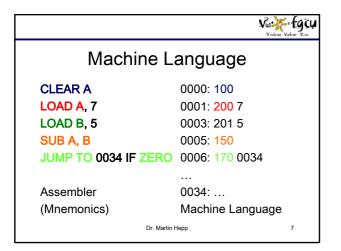
Dr. Martin Hepp



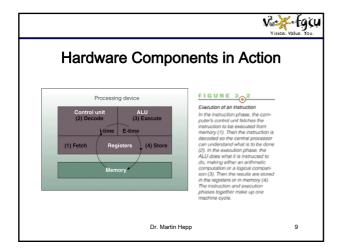


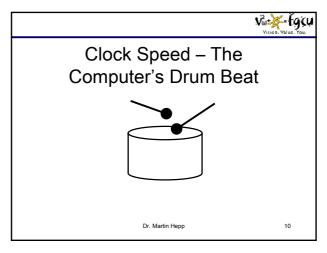


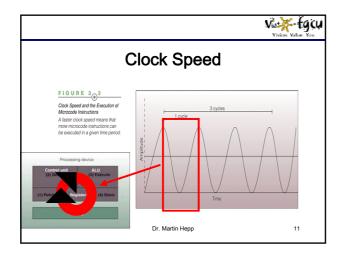


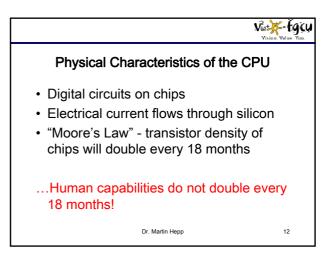


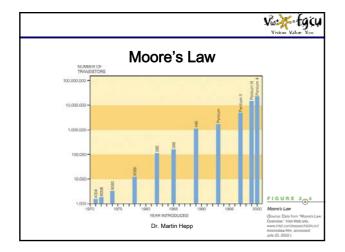














Complex and Reduced **Instruction Set Computing**

Complex instruction set computing (CISC) places as many microcode instructions into the central processor as possible

(French Restaurant ©)

Reduced instruction set computing (RISC) involves reducing the number of microcode instructions built into a chip to an essential set of common microcode instructions

(Fast food ©)

Dr. Martin Hepp



Secondary Storage

- · Offers the advantages of nonvolatility, greater capacity, and greater economy
- · Access methods, storage capacities, and portability required are determined by the information system's objectives

Dr. Martin Hepp



Access Methods

- · Sequential: records must be retrieved in order
 - Devices used are called sequential access storage devices (SASD)
- · Direct: records can be retrieved in any order
 - Devices used are called direct access storage devices (DASDs)

Dr. Martin Hepp

16

v‰- fgcu



15

Devices

- · Magnetic tapes
- · Magnetic disks
- RAID
- · Storage area networks (SAN)
- · Optical disks
- · Magneto-optical (MO) disks
- · Digital versatile disks (DVDs)

Dr. Martin Hepp



Hard Disks

- Platters
- •Read/Write Head
- Actuator Arm

http://computer.howstuffworks.com/hard-disk.htm/printable

