**Professor Messer COMPTia Courses**

Mother board:

Bus-width is proportional to bandwidth of it

1 MHz-1 million cycles per second, 1 GHz-1000 MHz

PCI stands for Peripheral Component Interconnect

PCI x-Extended designed for servers

PCI-e express is seen new boards. V3.0 1gbs v4.0 is 2gbs

CNR-communication and networking riser

Rams:  
SIMM-Single inline Memory module

RIMM-Rambus Inline memory module

DIMM-Dual inline memory module ddr 184pins ddr2/3 240pins

SO-DIMM small outline- used in mobiles and laptops

ROM- PROM, EPROM, EEPROM

RAM-Static Ram, Dynamic RAM, SDRAM-Synchronous (not use now)

DDR-double data rate

Memory devices

Master Boot Record- use 512kb, it contains table of primary partition and disk signature and direction to starting OS.

USB(universal serial bus) Version 1.1 is 1.5mbps(3m) to 12mbps(5m)

Version 2.0 is 480mbps (5m)

Version 3.0 is 4.8gbps (3m)