Department of Computer Engineering		
Computer Components &Interfacing (66521)		
Total Credits	**3**	
major compulsory		
Prerequisites	P1 : Computer Architecture I (66323)	
Course Contents		
General PC architecture, computer Peripheral Devices, Bus Architectures, File System, Other New Technologies		

Intended Learning Outcomes (ILO's)		**Student Outcomes (SO's)**	**Contribution**
1	Fundamental and advanced theoretical knowledge in the most common components of computer such as: processor, memory, storage, drives and drivers, floppy and hard disks, CD- ROMS, interface cards	C	70 %
2	The ability to apply the acquired knowledge to diagnose and troubleshoot common problems and system malfunctions and to update and manage hardware configuration.	K	20 %
3	The ability to show how to select, organize, install and configure these components.	E	10 %

Textbook and/ or Refrences	
A+: Core Hardware Study Guide, 2nd Edition	

Assessment Criteria	**Percent (%)**
First Exam	20 %
Second Exam	20 %
Presentation	10 %
Final Exam	50 %

Course Plan	
Week	**Topic**
1- 6	PC Architecture (The Processor (CPU), System Cache, System Memory , Interleaving, Motherboard, Power Supply, BIOS, Storage Devices: (Floppy and Hard Disks, CD-ROM and DVD-ROM), RAID Technology)
6	First exam
7- 10	Peripheral Devices (Mouse and Keyboard, Printers, Digital Cameras, Speakers)
11-13	Bus Architectures (USB, SCSI, IDE, SATA and Infrared Ports, PCI, AGP, PCMCIA)
13	Second exam
14	File System (FAT and NTFS)
15-16	Other Technologies (Bluetooth, Touch screen, GSM, New Displays)