



CP1610: Introduction to Computer Components Course Information – Winter 2008

Contact: Instructor: Mr. Rob Power
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Prerequisites: None

Co-Requisites: None

Purpose of the Course:

This course is designed to expose the student to the basic components of a computer system. The focus will be towards having the students identify and describe computer components. Students will **not** be required to configure or install computer components. It will also introduce the topics of PC management such as Disk Defragmentation, Disk Compression, Virus Protection, Data Recovery, Disk Caching, memory management, and the use of RAM Drives.

Class Location: Building 10, Second Floor Room 27 (10-227)

Textbook: *Lab Manual for A+ Guide to Managing & Maintaining Your PC*, Fifth Edition
ISBN: 0-619-21344-2, Course Technology.

A+ Guide to Managing & Maintaining Your PC Comprehensive, Fifth Edition
ISBN: 0-619-21324-8, Course Technology

Major Topics:

- 1.0 Basic PC Components
- 2.0 Storage Devices
- 3.0 I/O Devices
- 4.0 PC Management

Classroom Guidelines:

- Attendance:** Students are expected to attend all lecture and lab sessions for this course, as scheduled. Students absent for medical reasons must provide documentation from their doctor / hospital upon return to class.
- Assignments:** Assignments must be submitted on or before the assigned due date. Late assignments CANNOT be accepted.
- Missed Tests:** Students are expected to attend and write all quizzes / exams for this course. Students missing quizzes / exams must provide medical documentation upon return to class, or a grade of zero (0%) will be assigned. Make-up tests CANNOT be provided. However, students missing quizzes / exams for valid, documented medical reasons, can discuss alternate evaluation arrangements with the instructor (ie: the value of the missed quiz will be added to the value of the next quiz).
- Plagiarism:** Absolutely no plagiarism, copying or sharing of work allowed. All students who are involved will receive a zero (0%) for the specific work that was copied, and a form will be placed in the student's folders. If you are researching from the Internet or text books, information must be paraphrased or changed into your own words with proper referencing provided.

Evaluation:

Item	Value	Description
Assignments 1-4	40%	Short answer question assignments based on assigned readings from course textbook.
Quiz 1	10%	Quiz on Objective 1.1 (Basic PC Components).
Quiz 2	10%	Quiz on Objectives 1.2-1.4 (Motherboard, Memory and Power Supply) and Objective 2.1-2.3 (Storage Devices).
Quiz 3	10%	Quiz on Objectives 3.1-3.4 (I/O Paths, Input Devices, Output Devices, Communications Devices)
Final Exam	30%	Comprehensive Final Exam on All Course Materials

Class Schedule and Instructor Contact Hours:

	Sunday	Monday	Tuesday	Wednesday	Thursday
7:30 AM				CP1920 10-118	CP1280-1 10-217
8:30 AM	CP1280-1 10-217			Office 10-271	CP1280-1 10-217
9:30 AM	CP1920 10-118		CP1920 10-118	CP1280-1 10-217	CP1920 10-118
10:30 AM	CP1920 10-118	Office 10-271	Office 10-271	CP1280-1 10-217	Office 10-271
11:30 AM	Lunch Time	Lunch Time	Meeting Time	Lunch Time	Lunch Time
12:30 PM	Office 10-271	CP1280-2 10-217	Meeting Time	CP1610 10-227	
1:30 PM		CP1280-2 10-217		CP1280-2 10-217	
2:30 PM	CP1610 10-227				CP1280-2 10-217
3:30 PM					CP1280-2 10-217
4:30 PM			CP1610 10-227		

Delivery Schedule, Winter 2008, CP1610:

Week:	Agenda:
Week 1: January 6-10	Registration First Day of Classes
Week 2: January 13-17	Objective 1.1 (Basic PC Components) Basic Components PPT Chapter 1 Handouts (1.1, 1.1 Review, 1.1.2, 1.1.3)
Week 3: January 20-24	Finish Basic Components PPT Begin Chapter 5 and The Motherboard PPT (if time permits) (pp 168-216)
Week 4: January 27-31	Obj. 1.2 (Motherboard) The Motherboard PPT Chapter 5 (pp 168-216) Quiz #1 Assign #1 Due
Week 5: February 3-7	Obj 1.3 (Memory) and Obj 1.4 (Power Supplies) Power Supplies PPT Obj 1.3 Handout Chapter 4 (pp 116-152)
Week 6: February 10-14 Week 7: February 17-21	Obj 2.1 (Primary Storage Devices) Primary Storage PPT Chapter 6 (pp 239-277)
Week 8: February 24-28 Week 9: March 2-6	Obj 2.2 (Secondary Storage) and Obj 2.3 (Archival Storage) Secondary Storage PPT Archival Storage PPT Chapter 7 (pp 285-301) Chapter 8 (pp 308-333) Lab Manual (pp 136-157; 160-184) Chapter 11 (pp 473-513) Assign #2 Due End of Week 9 Midterm Break (March 6-9)

Week 10: March 9-13	Midterm Break (March 6-9) Obj 3.1, 3.2, 3.3 and 3.4 (I/O Paths, Input Devices, Output Devices, Communications Devices) Quiz #2 I/O Subsystem PPT Input Devices PPT Chapter 10 (pp 409-465) Chapter 21 (pp 963-973) Assign #3 Due end of Week 11
Week 11: March 16-20	
Week 12: March 23-27	Output Devices PPT Communications Devices PPT Chapter 17 (pp 782-794) Chapter 18 (pp 812-827) Quiz #3
Week 13: March 30-April 3	Obj 4.1, 4.2, 4.3, 4.4 (Computer Management, Disk Management, Virus Protection, Data Recovery) PC Management PPT Handouts Chapter 9 (pp 351-379) Assign #4 Due end of Week 13
Week 14: April 6-10	Administrivia Finish up any outstanding work Final Exams (April 8-15)
Week 15: April 13-17	Final Exams (April 8-15) Administrivia

***Please Note: All due Dates are Tentative!