

**MAYLAND COMMUNITY COLLEGE
Welcomes You Fall Semester 2006 To:**

**CET111/20
Computer Upgrade/Repair
Contact hrs = 5 Credit hrs = 3**

Course Description

This course covers the basic hardware of a personal computer, including operations and interactions with software. Topics include component identification, the memory system, peripheral installation and configuration, preventive maintenance, and diagnostics and repair. Upon completion, students should be able to select appropriate computer equipment, upgrade and maintain existing equipment, and troubleshoot and repair non-functioning computers.

Prerequisites: CIS110 Corequisites: None

Instructor Information

Instructor: Ed Young
Office Location: P216
Telephone Number: 765 7351 ext. 332
E-mail Address: reyoung@cc.mayland.edu
Office Hours: 10:00 am to 12 noon and 5:00 to 6:00 pm on Monday & Wednesday, 8:30 to 10:00 am on Tuesday & Thursday, 9:00 to 11:00 am on Friday

Course Information

Meeting Times: 6:00 PM to 8:20 PM on MW in room P219

Required Text(s): *Managing and Maintaining Your PC, 5th Edition Enhanced*, Andrews, Course Technology

Required supplies: One 3.5" high density floppy disk

Course Objectives/Competencies:

1. Know the basics of troubleshooting and safely handling PC parts
2. Be able to control settings of a PC from the BIOS setup
3. Understand what CPUs are used in various PCs
4. Know the basic motherboard types
5. Be able to install RAM
6. Understand what RAM is needed in a typical PC
7. Be able to install a hard drive
8. Be able to take components out of a PC and then re-assemble it
9. Be able to troubleshoot with Windows Device Manager
10. Be able to install various add-in boards such as modems and NICs
11. Be able to check IRQ settings on hardware as necessary
12. Be able to install PC peripheral hardware

13. Know the basics of power supplies and how to test voltage output

Attendance Policy/Tardiness/Make-Up Work:

You are expected to attend class. If you do not attend class on a regular basis you may be administratively dropped. If a student has not been in contact with the instructor and has not attended class for a consecutive two-week period, an administrative withdrawal will be submitted by the instructor. If you need to withdraw, be sure you do so officially by filling out a drop form. If you just stop coming to class without withdrawing, your final grade will be an F

Grading Criteria/Tests/Projects:

Your grade average will be determined by exercises, three quizzes, and a final exam. If you miss a scheduled quiz, be ready to take a makeup upon your first return to class. Unless prior arrangements are made, makeup quizzes are short answer instead of multiple choice. Exercises will be given out periodically and graded. If these are not returned by the due date, you will not receive full credit. Any exercises turned in more than 3 meetings past the due date will be graded as 0. *All exercises must be completed and turned in by the last day of class for the course. No exercises will be accepted after this.*

At the end of the semester, the three quiz scores, the final and the exercise grade will be averaged. Each counts equally toward your grade. The grading scale below will determine your final grade. If your final average at the end of the semester is between grades, such as 84.3, then your attendance will determine whether you get the higher grade. If you have three absences or less, you get the higher grade. If you have over three absences for any reason, your grade remains the same.

Grading Scale:

A = 93-100	Quiz #1	20%
B = 85-92	Quiz #2	20%
C = 77-84	Quiz #3	20%
D = 70-76	Exercises	20%
F = below 70	Final exam	20%

Inclement Weather Procedures:

On snow delay days this class will start at 1:20 PM and end at 3:05 PM

Academic Standards/Student Expectations/Ethics:

You are expected to do your own work. Turning in some else's work as your own or cheating on a quiz can result in your being dropped from the class.

Withdrawal Dates:

Fall 2006

End of Unconditional Withdrawal	September 22
End of Conditional Withdrawal	October 30

Special Accommodations: Any student requesting special accommodations for this course due to a disability should apply for services through the SOAR Office or the Counseling Center, which will document the disability. A counselor will then help determine which accommodations, if any, the student needs for success in this course.

LEO Your exercise scores and quiz scores will be posted on LEO. If you see a score that differs from the work returned to you, please let me know. If you have turned in work and the score is not posted on LEO

after a week, please let me know. Remember, LEO is not my official gradebook. Your grades are kept on an Excel spreadsheet. If you want to know your current average, just let me know.

CET111 Upgrade/Repair Fall 06 Schedule Night MW

Monday	Wednesday
August 21 Intro to Class	August 23 Chapter 1 Intro Hardware
August 28 Chapter 1 Intro Hardware	August 30 Chapter 2 Hardware & Software Work Together
September 4 no class Labor Day	September 6 Chapter 2 Hardware & Software Work Together
September 11 Chapter 3 Understanding the Boot Process	September 13 Chapter 3 Understanding the Boot Process
September 18 Quiz #1	September 20 Chapter 15 Installing & Using Win XP Pro
September 25 Chapter 15 Installing & Using Win XP Pro	September 27 Chapter 4 Electricity & Power Supplies
October 2 Chapter 5 Motherboard	October 4 Chapter 5 Motherboard
October 9 No class Fall Break	October 11 Chapter 5 Motherboard Chapter 6 Managing Memory
October 16 Chapter 6 Managing Memory	October 18 Chapter 7 Floppy Drives
October 23 Quiz #2	October 25 Chapter 8 Understanding & Installing Hard Drives
October 30 Chapter 8 Understanding & Installing Hard Drives	November 1 Chapter 9 Optimizing & Protecting Hard Drives
November 6 Chapter 9 Optimizing & Protecting Hard Drives	November 8 Chapter 9 Optimizing & Protecting Hard Drives Chapter 10 Supporting I/O Devices
November 13 Chapter 10 Supporting I/O Devices	November 15 Chapter 11 Multimedia Devices & Mass Storage
November 20 Chapter 11 Multimedia Devices & Mass Storage	November 22 Quiz #3
November 27 Appendix C Hex & Binary	November 29 Build PC
December 4 Build PC	December 6 Appendix D FAT Details
December Review	December 13