ET245- Computer Hardware
Syllabus - Spring 2010

General Course Information

Instructor: Holly Ricketts
Office: Harold Foreman Complex (formerly EC3), Room 267B
Office Hours: By Appointment
Phone: 646-1116
E-mail: hrickett@nmsu.edu
Classroom: MW - EC3-230, F - EC3-245
Class Times: MW - 10:30-11:20am, F - 10:30am-12:10pm

Prerequisite: ET182

Textbook: Jean Andrews, *A+ Guide to Managing and Maintaining your PC, Seventh Edition*. Course Technology/Cengage Learning Incorporated, 2010, ISBN-13: 978-1-435-49778-8

Course Objectives

Students will gain a complete, step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software.

Specific topic coverage includes:

- Introducing Hardware
- Introducing Operating Systems
- Working with People in a Technical World
- Form Factors, Power Supplies, and Working Inside a Computer
- All about Motherboards
- Supporting Processors
- Upgrading Memory
- Supporting Hard Drives
- Installing and Supporting I/O Devices
- Multimedia Devices and Mass Storage
- PC Maintenance and Troubleshooting Strategies

- Installing Windows
- Optimizing Windows
- Tools for Solving Windows Problems
- Fixing Windows Problems
- Networking Essentials
- Networking Practices
- Security Essentials
- Security Practices
- Supporting Notebooks
- Supporting Printers

E-Mail

All students are requested to use their NMSU e-mail account for all correspondence regarding this course. If you have any questions about the course or need assistance, please contact me to schedule an appointment, or you can e-mail me with your questions at any time.

Grading

40% of the grade is based on a midterm and a final examination. Both examinations are cumulative and given in a varied format. An in-class review will be held prior to each examination.

40% of the grade is based on quizzes. Quizzes are announced. Quizzes will be given the first 10 or 15 minutes of class, anybody late for class on a quiz day will be given the remainder of the allotted quiz time **only** to take the quiz. No makeup quizzes will be given. Lowest Quiz grade will be dropped.

20% of the grade is based on homework. No late homework will be accepted for any reason. Lowest homework grade will dropped.

Letter grades will be determined using a standard percentage point evaluation as outlined below.

A - 90-100%
B - 80-89%
C - 70-79%
D - 60-69%
F - Below 60%

<u>**Course Policies:**</u>

<u>Academic Dishonesty</u>: Plagiarism and cheating are serious offenses and may be punished by failure on exams, papers, or projects; failure in course; and/or expulsion from the University. For more information refer to the "Academic Dishonesty" policy in the University Undergraduate Catalog.

<u>Need for Assistance</u>: If you have any condition, such as a physical or learning disability, which will make it difficult for you to carry out the work as I have outlined it, or which will require academic accommodations, please notify me as soon as possible.

<u>Posting of Grades</u>: The grades will be posted on Blackboard.

14-Week Course Outline - Spring 2010

Week	Topics	Chapter Readings	Date Mon. & Wed.	Friday Lab
	Martin Luther King Holiday !!		**Jan.18, 2010**	
1	Introducing Hardware	Chapter 1	Jan.20, 2010	Jan.22,2010
2	Introducing Operating Systems	Chapter 2	Jan. 25, 27 - **Quiz 1**	Jan.29
3	Working with People in a Technical World	Chapter 3	Feb.1,2010	Feb.5,2010
	Form Factors, Power Supplies, and Working Inside a Computer	Chapter 4	Feb.3 - **Quiz 2**	
4	All about Motherboards	Chapter 5	Feb.8	Feb.12,2010
	Supporting Processors	Chapter 6	Feb.10 - **Quiz 3**	
4	Upgrading Memory	Chapter 7	Feb.15	Feb.19th,
	Supporting Hard Drives	Chapter 8	Feb.17 - **Quiz 4**	
5	Installing and Supporting I/O Devices	Chapter 9	Feb.22, 2010	**Feb. 26 No Lab!!**
	Multimedia Devices, Mass Storage & Review	Chapter 10	Feb.24	
	Midterm Exam	**Exam I**	**Mar.1**	
7	PC Maintenance and Troubleshooting Strategies Maintaining	Chapter 11	Mar.3	Mar.5
8	Installing Windows	Chapter 12	Mar.8,	Mar.12
	Maintaining Windows	Chapter 13	Mar.10 - **Quiz5**	
9	Optimizing Windows	Chapter 14	Mar.15,2010	**Mar.19,2010 No Lab!**
			Mar.17	
	Spring Break !! March 22 - 26			
10	Tools for Solving Windows Problems	Chapter 15	Mar.29,2010	**April 2 Spring Holiday**
	Fixing Windows Problems	Chapter 16	Mar.31- **Quiz 6**	
11	Networking Essentials	Chapter 17	April 5	April 9, 2010
	Networking Practices	Chapter 18	April 7- **Quiz 7**	
12	Security Essentials	Chapter 19	April 12	Apr.16, 2010
	Security Practices	Chapter 20	April 14- **Quiz8**	
13	Supporting Notebooks	Chapter 21	April 21	April 23
	Supporting Printers	Chapter 22	April 26	
14	Review for Final	Review	April 28	**April 30 No Lab!!**
		Final Exam	**May 3, 2010**	