

**ETE 134, Computer Hardware Maintenance  
Class Syllabus**

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COURSE WEBSITE: [www.uky.edu/LCC/ET/ET134](http://www.uky.edu/LCC/ET/ET134)

PROGRAM COORDINATOR: Mike Binzer ext 4109  
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PREREQUISITES: Prerequisite or Concurrent CIS 110 or consent of Instructor

TEXT: "A Guide to Managing and Maintaining Your PC"  
Comprehensive Fifth Edition, Jean Andrews

**COURSE DESCRIPTION:**

The maintenance of computer workstation hardware, including set-up of workstation for network and Internet access is presented. Internal addressing, architecture, interrupts, complete PC construction and basic troubleshooting are focal points. Lecture: 2 hours; Laboratory: 2 hours. 3 credit hours.

**COURSE OBJECTIVES:**

As described in the Course Description

**COURSE REQUIREMENTS**

One Test (Midterm)-	25%
Lab Assignments-	25%
Homework Assignments/ Chapter Quizzes	25%
Final Exam-	25%

**GRADE SCALES:**

90%-100%	A
80%-89.5%	B
70%-79.5%	C
60%-69.5%	D
Below 59.5%	E

**ATTENDANCE POLICY:**

Students are expected to attend lectures and labs. It is up to the student to find out what was covered in missed lectures. The labs must be completed in the LCC labs using LCC equipment.

**LATE WORK POLICY:**

Late work without an excused absence will be discounted by 20% per day until that assignment is returned to the class. Unexcused late work will not be accepted after that assignment has been graded and returned.

**MAKEUP WORK POLICY:**

Work missed due to documented excused absences will be accepted. Work missed due to unexcused absences will be considered "Late Work."

**WITHDRAW POLICY:**

Any student may withdraw from the class with a "W" up to and including the last day of classes.

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ETE 134 TOPIC SEQUENCE

- Review / Introduction: Hexadecimal numbering, Metric & Binary Prefixes
- Introducing Hardware (Chapter 1)
- Electricity and Power Supplies (Chapter 4)
- How Hardware and Software Work Together (Chapter 2)
- Understanding the Boot Process (Chapters 3, 14 - w2K, 16 - XP)
- Motherboard Architecture & Memory (Chapters 5, 6)
- Secondary Storage Devices (Chapters 7, 8, 9)
- Supporting Peripheral Devices (Chapters 10, 11, 21)
- Understanding & Troubleshooting Windows 2000 (Chapters 14, 15)
- All About SCSI (Chapter 22)

**Various Details That Will Impact Your Grade:**

**E-mailing assignments:**

I will not accept assignments sent by e-mail, attached or otherwise.

**Assignment Header:**

Every assignment must have a header *at the top right corner of each page*. The header must contain the following information:

Your Name	Slim Shady
Class Number	ETE-134
The assignment	Lab 1 Write-up
The date the assignment is/was <i>due</i>	1/1/00
Page number / Total Pages	Page 1 of 30

Multiple-paged assignments ***MUST*** be *stapled* together need only have the header on the top page. *I do not consider paper-clipped or bound work equivalent to stapled. Un-Stapled assignments will not be accepted, and may be counted as late work. Additionally, assignments must be presented in a professional and legible manner. Ragged paper (spiral bound) will not be accepted.*

**Home-work answers:**

On homework assignments, short answers will suffice. For example: if the question is "What is the average air speed velocity of an un-laden swallow?" You may simply give the answer "*What do you mean, African or European swallow?*" without reference to the original question.

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## **Lab Reports:**

### ***Cover Sheet***

Name  
Lab Number  
Lab Title  
Date Lab performed  
Date Due

### ***Abstract***

One full paragraph stating the purpose of the lab, general description of lab goals and important lab elements.

### ***Procedure Steps***

Lab reports must contain a step-by-step description of how each step in the lab was completed, as well as the result of each step. In each step of the lab, the desired action must be stated, followed by a description of what you did to complete the task, and finally the result.

### ***Lab Questions***

Write-up questions must be answered in “full answers” in which the question is referenced. In the case of the question above, I would expect the answer “*The air speed velocity of an un-laden swallow depends on the breed of the swallow. African and European swallows will fly at different speeds when not bound to a coconut.*”

This method of write-up must be followed even if the step in the lab was to verify something. If asked, in step 10, to verify that windows booted properly, you may state “*10. When the computer was re-started, windows booted properly*”.

### ***Lab Conclusion***

One full paragraph including the overall outcome of the lab. Insight gained from lab procedures, and account of lab goals. Was it achieved? Why, Why Not.

## **Resubmission of Labs:**

The first 2 labs may be resubmitted to retrieve points lost to mistakes or misunderstandings. The lab must be re-done in full and turned in (with “RESUBMIT” in the top center of the first page, with the old lab stapled to the back) within a week of when the labs were returned to the class. Points lost due to late submission will not be retrievable. Labs that are determined to be “below the standards of collegiate level work” will not be able to be resubmitted.

## **Plagiarism and Cheating:**

Review the “KCTCS Student Rights and Responsibilities” Part 2.3 (<http://www.kctcs.edu/student/code.htm>) before you allow another student to borrow your work, you borrow the work of another student, or you assist others in cheating. Giving answers, copying work, and assisting other students in these activities are all punishable offenses.