



## CIS 128 Microcomputer Hardware I

DATE:	August 2012	ROOM #:	IVN Room 123 Lab 124
INSTRUCTORS:	Heidi Schneider	CLASS #:	18412
E-MAIL ADDRESS:	heidim.schneider@lrsc.edu	SEMESTER:	Fall 2012
PHONE:	662-1580	CREDIT HOURS:	3
OFFICE HOURS:	Check schedule on office door	CLASS HOURS:	TR 2:30-3:20 M 11:00-11:50 Lab
OFFICE #:	Room 130	LAB HOURS:	During class time
COMMON COURSE NUMBER:	CIS 128	PREREQUISITES:	None
COURSE NAME:	Microcomputer Hardware I		

*e-Companion – [www.lrsconline.com](http://www.lrsconline.com)*

**CATALOG DESCRIPTION:** Lecture and Lab course which introduces the development and maintenance of the personal computer. Participants upgrade and assemble personal computers, configure systems, and install operating systems. Prepares students for the A+ Essentials Certification Exam.

**MATERIALS OF INSTRUCTION:** Textbook: **Jean Andrews, A+ Guide to Managing and Maintaining Your PC**, 7th Edition. Course Technology, 2010, ISBN 9781435497788. **LabSim A+ Essentials 2009 #220-701** ISBN 9781935080367.

**Note:** This course is ½ of the A+ Certification Exam content. The student will take the first portion of the A+ Certification Exam, (Essentials - JKO-701) toward the end of the CIS 129 course. CIS 129 will finish your preparation to take the Essentials portion, as well as the second portion of the A+ exam (JKO-702), which will be taken at the end of the semester of CIS 129.

**COURSE OBJECTIVES:** Students will prepare for the A+ Essentials exam which includes these objectives: Hardware; Troubleshooting, Repair, and Maintenance; Operating System and Software; Networking; Security; Operational Procedure

**GENERAL EDUCATION OBJECTIVES:**

- I.3. To apply knowledge gained in the educational process and use that knowledge in everyday living - *apply knowledge to the real world*
- II. 3. To use information objectively for solving problems and arriving at alternative solutions – *problem solving skills.*
- VI. 3. To apply current technologies to access and utilization of information - *application of technology*
- VII. 1. To develop a pattern of intellectual curiosity and inquiry which promotes life-long learning - *value of life-long learning*

**MAJOR UNITS:**

- Chapter 1: Introducing Hardware
- Chapter 2: Introducing Operating Systems
- Chapter 3: Working with People in a Technical World
- Chapter 4: Form Factors, Power Supplies, and Working Inside a Computer
- Chapter 5: All About Motherboards
- Chapter 6: Supporting Processors

Chapter 7: Upgrading Memory  
Chapter 8: Supporting Hard Drives  
Chapter 9: Installing and Supporting I/O Devices  
Chapter 10: Multimedia Devices and Mass Storage  
Chapter 11: PC Maintenance and Troubleshooting Strategies  
Chapter 12: Installing Windows

GRADING:	A	90-100%
	B	80-89%
	C	70-79%
	D	60-69%
	F	BELOW 60%

### **Academic Honesty:**

*Students involved in cheating or plagiarism will be subject to failure. Academic dishonesty is clearly distinguished from student learning. Allowing another student to copy one's answers or hand in their computer work is a form of cheating and is NOT acceptable.*

- First offense – warning, but will receive a zero on the assignment/test
- Second offense – turned over to VP of Instruction and WILL receive an 'F' for the class as the final grade

**STUDENT OUTCOMES/COMPETENCIES:** Upon successful completion of the course, students will have gained knowledge that will assist in their preparation to take the A+ Essentials Exam. Students will take this exam later, while taking CIS 129.

**ASSESSMENT TOOLS** (subject to change at the discretion of the instructor):

Quizzes, Worksheets, Chapter Questions @ 10-30 pts each  
Labs @ 10-40 pts each  
Chapter Exams @ 50-60 pts each  
Final Exam @ 100 pts  
Papers/Projects @ 10-50 pts each

**ATTENDANCE:** Students will be required to attend each class and stay for the duration. Please be courteous and be **ON TIME** for class. If the student is absent from class, that student is responsible for letting the instructor know that they will not be attending class and need to complete the assignments that were assigned while they were gone. **If the student is absent for more than 4 class periods, they will be withdrawn from class (this is not consecutive absences).**

**ASSIGNMENTS:** Assignments are **DUE** on the date that is listed on e-Companion, unless changed by the instructor. I will not accept any assignment after the due date. **Any work handed in after the DUE DATE is subject to half points!**

**TESTS:** Exams and quizzes may not be made up without advance approval from the instructor.

**CELL PHONE USAGE:** You may have your cell phone in class, but you **MUST** turn it to vibrate. If you need to answer a call, please leave the room quietly to answer. **ALL** cell phones **MUST** be turned **OFF** during a test.

**LISTENING DEVICES:** **NO** listening devices (iPods, MP3 players, headphones, etc.) will be allowed in my classes while class is in session.

### **DIVISION MISSION STATEMENT:**

#### **Business Division Mission Statement**

The Business Division strives to be responsive to the needs of students and business/industry. It is dedicated to providing a quality-learning environment, utilizing various instructional methods and delivery systems so that the needs of students may be best addressed. The Division utilizes the most advanced technologies available to respond to the changing demands of business and maintains a quality student-centered learning environment.