



## CIS 128 Microcomputer Hardware I

DATE:	August 2014	COURSE NAME:	Microcomputer Hardware I
INSTRUCTOR:	Heidi Schneider	ROOM #:	IVN Room 123
E-MAIL ADDRESS:	heidim.schneider@lrsc.edu	CLASS #:	17741
PHONE:	662-1580	SEMESTER:	Fall 2014
OFFICE HOURS:	MWF (8:30-10am, 2-3:30pm) TR (8:30-9:30am, 11am-12:30pm)	CREDIT HOURS:	3
OFFICE #:	Room 121	CLASS HOURS:	TR 2:30-3:45
COMMON COURSE NUMBER:	CIS 128	LAB HOURS:	During class time
		PREREQUISITES:	None

**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**, 8th Edition. Course Technology, 2010, ISBN 978-1-133-13508-1. **LabSim A+ PC Pro 220-801 and 220-802** ISBN 978-1-935080-42-8.

**Note:** This course is ½ of the A+ Certification Exam content. The student will take the first portion of the A+ Certification Exam, (JKO-801) 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-802), which will be taken at the end of the semester of CIS 129.

**COURSE OBJECTIVES:** Students will prepare for the A+ 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: First Look at Computer Parts and Tools
- Chapter 2: Working Inside a Computer
- Chapter 3: Introducing Windows Operating Systems
- Chapter 4: All about Motherboards
- Chapter 5: Supporting Processors and Upgrading Memory
- Chapter 6: Supporting Hard Drives
- Chapter 7: Installing Windows
- Chapter 8: Supporting I/O and Storage Devices
- Chapter 9: Satisfying Customer Needs

Chapter 10: Maintaining Windows  
Chapter 11: Optimizing 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 @ 40-50 pts each  
Final Exam @ 100 pts

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. **Any assignments that are 1 week late will be deducted 5 points per assignment. Any assignments that are more than 1 week late will not be accepted.**

TESTS: Quizzes and /or Exams **CANNOT** be made up if they are missed.

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.