



CIS 129 Microcomputer Hardware II

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| DATE: | January 2014 | ROOM #: | IVN Room 123 |
| INSTRUCTORS: | Heidi Schneider | CLASS #: | 6244 |
| E-MAIL ADDRESS: | heidim.schneider@lrsc.edu | SEMESTER: | Spring 2013 |
| PHONE: | 662-1580 | CREDIT HOURS: | 3 |
| OFFICE HOURS: | Check schedule on office door | CLASS HOURS: | TR 2:30-3:45 |
| OFFICE #: | Room 121 | LAB HOURS: | Scheduled at each site |
| COMMON COURSE NUMBER: | CIS 129 | PREREQUISITES: | CIS 128 |
| COURSE NAME: | Microcomputer Hardware II | | <i>e-Companion – www.lrsonline.com</i> |

CATALOG DESCRIPTION: Continuation of CIS 128. Students gain a higher level of skills in the diagnosis of hardware and software faults and the upgrading of computer systems. Software adaption to hardware, installation, and troubleshooting of network hardware including modems, network interfaces, and peripheral connections and local area network hardware design covered.

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.

Note for non-LRSC students: You are not required to take the CompTIA A+ certification exams. You may take them if you wish, but you will need to work out the details / exam fees with your campus.

COURSE OBJECTIVES: Students will prepare for the A+ Practical Application exam which includes these objectives:

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*

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| MAJOR UNITS: Chapter 11 | Optimizing Windows |
| Chapter 12 | Troubleshooting Windows and Applications |
| Chapter 13 | Troubleshooting Hardware Problems |
| Chapter 14 | Troubleshooting Windows Startup Problems |
| Chapter 15 | Connecting to and Setting Up a Network |
| Chapter 16 | Networking Types, Devices, and Cabling |
| Chapter 17 | Windows Resources on a Network |
| Chapter 18 | Security Strategies |
| Chapter 19 | Supporting Notebooks |
| Chapter 20 | Mobile Devices and Client-side Virtualization |
| Chapter 21 | Supporting Printers |

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| 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 be fully prepared to take the Essentials (JKO-801) and the Practical Application portion (JKO-802) of the CompTIA A+ Exam. Students must take the exams, whether they pass or fail, to receive a grade in the course. (LRSC students only) It is the student's responsibility to get a copy of the exam report to the instructor after taking each exam. The instructor will **increase** the student's course grade by one letter grade for **each** certification exam passed in this course (up to 2 letter grades total). Documentation of exam scores must be provided to the instructor via a copy of the exam report. If non-LRSC students decide to take the exams, they must provide a copy of the exam report to the instructor.

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

Quizzes, Worksheets, Chapter Questions @ 10-30 pts each
 Labs @ 10-50 pts each
 Chapter Exams @ 50-60 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. 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.