CIS 128 Microcomputer Hardware I

DATE: August 2012

INSTRUCTORS: Heidi Schneider

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PHONE: 662-1580

OFFICE HOURS: Check schedule on office door

OFFICE #: Room 130

COMMON COURSE NUMBER: CIS 128

COURSE NAME: Microcomputer Hardware I

ROOM #: IVN Room 123

CLASS #: 18412

SEMMETER: Fall 2012

CREDIT HOURS: 3

CLASS HOURS: TR 2:30-3:20

M 11:00-11:50 Lab

LAB HOURS: During class time

PREREQUISITES: None

e-Companion – 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.


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:

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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>A</td>
<td>90-100%</td>
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<td>B</td>
<td>80-89%</td>
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<td>C</td>
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<td>D</td>
<td>60-69%</td>
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<td>F</td>
<td>BELOW 60%</td>
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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.