

CLASS NUMBER AND NAME:	CS120B/C – CONFIGURATION AND TROUBLESHOOTING CS140A/B/C – ADVANCED COMPUTER SET-UP AND COMMUNICATIONS
TOTAL HOURS/ UNITS:	75 HOURS/6.0 UNITS
PREREQUISITES:	Successful completion of CS100A/B/C Intro to Computer Hardware and CS120A-Computer Configuration and Troubleshooting
TEXTS AND MATERIALS:	<i>A+ Guide to Managing and Maintaining Your PC</i> Seventh Edition, Jean Andrews, Course Technology 2010 2” Binder, pencils, pens, notebook, and a Computer. 2 different Pens, (Blue or Green or Black, etc. <u>NO RED</u>). Highlighter (your choice of color).
CLASS DESCRIPTION:	A combination of lectures and hands-on exercises in advanced problem determination in the areas of personal computers with an emphasis on peripherals
CLASS OBJECTIVES:	The objectives are to provide the student with knowledge and hands-on experience in the area of, Windows 2000, XP, Vista, multimedia, virus infestations, disaster recovery, maintenance planning. Preparation for the A+ Exam is emphasized.
CLASS FORMAT OVERVIEW:	This class is a combination of lecture and lab.
METHODS OF INSTRUCTION:	As lecture and lab are the principal means of instruction, it will be expected that all students will be present every day to take part in class. A project will be completed during this mod. The Student will create a computer assembly instruction manual. The scope of the project will be discussed in class and it will be the students responsibility to understand and comply with the project requirements.
ATTENDANCE:	It is expected that each student will be in class <u>when class begins.</u> Should the student arrive more than <u>ten minutes late</u> they should notify the instructor of their presence, it will be up to the instructor to decide if the student has arrived in time to be counted as present- the instructor’s decision is final. <u>80% attendance is mandatory</u> It will be the student’s responsibility to learn of any assignments given in class when absent.

TESTING:

Four quizzes will be given throughout the mod as well as a cumulative final exam. All quizzes, examinations, exercises and homework must be satisfactorily completed.

LATE TESTING:

Late testing is only allowed at the instructor’s discretion.

GRADING POLICIES:

The grading system is comprised of attendance, assignments, weekly tests and an end-of-module final and will be graded on the following scale:

Homework, tests and final	Maximum Possible
Attendance	85
Homework [5 @ 25 points]	125
Project	100
Weekly Exams [4 @ 75 points]	300
Weekly hands on [4 @ 35 points]	140
Comprehensive final-written	<u>100</u>
Module total	850

Combined grades from attendance, assignments, weekly tests and end-of-module final will be graded on the following scale:

765 to 850	(90 – 100%)	= A
680 to 764	(80 – 89%)	= B
595 to 679	(70 – 79%)	= C
510 to 594	(60 – 69%)	= D
less than 509		= F

ANTICIPATED LEARNING OUTCOMES:

Upon completing this course, the student will be able to:

1. Install and maintain operating systems
2. Troubleshoot and install Network cards, sound cards.
3. Integrate computers in the office environment.
4. Understand basic network and communications theory.
5. Use a variety of Windows operating systems
6. Provide for disaster prevention and data recovery.
7. Complete and understand how to create useful computer assembly instruction manuals

A student will have earned a passing grade in the course by achieving a D or higher.

Syllabus Addendum

CS120B/C-Configuration and Troubleshooting

CS140A/B/C-Advanced Computer Set-up and Communications

Week	Daytime Schedule	Evening Schedule Six-Week Module	Evening Schedule Three-Week Module
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<p>One</p>	<ol style="list-style-type: none"> 1. Review Chapter 11 (PC Maintenance and Troubleshooting Strategies) 2. Review Chapter 17 (Networking Essentials) 3. Review of computer maintenance 4. Review of networking technologies 5. Disassemble and assemble student's computer one or more times. 6. Weekly Written and Hands-On Exam and Review <p>Homework – Handout Due Wednesday</p>		
<p>Two</p>	<ol style="list-style-type: none"> 1. Review Chapter 12 (Installing Windows) 2. Review Chapter 13 (Maintaining Windows) 3. Review of Configuration and Installation of Windows XP Professional, and Vista) 4. Disassemble and assemble student's computer one or more times. 5. Weekly Written and Hands-On Exam and Review 6. Install Vista Business <p>Homework – Handout Due Wednesday</p>		

<p>Three</p>	<ol style="list-style-type: none"> 1. Review Chapter 14 (Optimizing Windows) 2. Review Chapter 15 (Tools for Solving Windows Problems) Review Chapter 16 (Fixing Windows Problems) 3. Review of Microsoft utilities and tools 4. Review of hardware device, application or Windows components problems 5. Disassemble and assemble student's computer one or more times. 6. Weekly Written and Hands-On Exam and Review <p>Homework – Handout due Wednesday</p>		
<p>Four</p>	<ol style="list-style-type: none"> 1. Review Chapter 18 (Networking Practices) 2. Review of Chapter 19 (Security Essentials) 3. Review Chapter 20 (Security Practices) 4. Review of connecting to networks. 5. Disassemble and assemble student's computer one or more times. 6. Weekly Written and Hands-On Exam and Review <p>Homework – Handout Due Wednesday Rough draft of Manual Due Friday.</p>		

Five	<ol style="list-style-type: none"> 1. Review Chapter 21 (Supporting Notebooks) 2. Review Chapter 22 (Supporting Printers) 3. MOD final test review. 4. Cumulative MOD Final Exam. 5. Manual Due on Build Day 6. Guest Build Day <p>Homework – Handout Due Tuesday</p>		
Six			