

CLASS NUMBER AND NAME:	CSN140 – Advanced Computer Set-up and Communications
TOTAL HOURS/ UNITS:	72 HOURS/5.0 UNITS
PREREQUISITES:	Successful completion or concurrent enrollment in CSN120-Computer Configuration and Troubleshooting.
TEXTS AND MATERIALS:	<i>A+ Guide to IT Technical Support</i> 9th Edition, Jean Andrews, Jill Wes, Joy Dark, Cengage Learning 2017 (ISBN 9781305266438)
CLASS DESCRIPTION:	A combination of lectures and hands-on exercises in advanced problem determination in the area of personal computers with an emphasis on maintaining, optimizing, and repairing Windows.
CLASS OBJECTIVES:	The objectives of this course are to present proper handling procedures, instruct the student in the identification of different types of computer components comprising a personal computer. In this context, various commands, safety procedures, and history will be discussed.
CLASS FORMAT OVERVIEW:	<p>This class is a combination of lecture and lab.</p> <p>Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time.</p>
METHODS OF INSTRUCTION:	<p>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.</p> <p>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.</p>
ATTENDANCE:	<p>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.</p> <p><u>80% attendance is mandatory</u></p> <p>It will be the student's responsibility to learn of any assignments given in class when absent.</p>
TESTING:	Quizzes and Hands-on exams will be given throughout the module as well as a cumulative final exam and hands-on exam. Practice

Certificate preparation testing for the CompTia A+ exams will be part of the class. All quizzes, examinations, exercises and homework must be satisfactorily completed in order to pass the course.

LATE TESTING:

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

GRADING POLICIES:

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

Attendance	10%
Homework	
Practice Certificate testing	25%
Weekly Exams	
Weekly hands on	35%
Comprehensive final-written	
Comprehensive final-hands on	
Presentation	30%
Module total	100%

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

90 – 100%	=	A
80 – 89%	=	B
70 – 79%	=	C
60 – 69%	=	D
less than 60%	=	F

Students must complete 3 practice tests at 85% and schedule a certification exam to pass this class.

ANTICIPATED LEARNING OUTCOMES:

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

1. Install and optimize Windows.
2. Properly maintain and troubleshoot computers.
3. Use a Variety of Tools to solve computer problems.
4. Understand the basics of Networking.
5. Provide for disaster prevention and data recovery.
6. Understand and implement Security Practices.
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.

CSN140ABC
Six Week Tentative Schedule

Week 1

Review Chapter 15 (Supporting Network Hardware)
Disassemble and assemble student's computer 1 or more times
Home work due Monday
VCE practice Tests due Thursday – 2@50 questions each.
Weekly Written and Hands on exam

Week 2

Review Chapter 17 (Windows Resources on a Network)
Disassemble and assemble student's computer 1 or more times
Home work due Monday
VCE practice Tests due Thursday – 2@50 questions each.
Weekly Written and Hands on exam

Week 3

Review Chapter 18 (Security Strategies)
Disassemble and assemble student's computer 1 or more times
Home work due Monday
VCE practice Tests due Thursday – 2@50 questions each.
Weekly Written and Hands on exam

Week 4

Review Chapter 16 (Supporting Mobile Operating Systems)
Review Chapter 20 (Virtualization, Linux, and Mac OS X)
Disassemble and assemble student's computer 1 or more times
Home work due Monday
VCE practice Tests due Thursday – 2@50 questions each.
Module Final Written and Hands-On Exam

Week 5

Prepping For the A+ Certification (Getting There Part 1)
Disassemble and assemble student's computer 1 or more times
Home work due Tuesday
Manual Rough Draft Due Thursday
VCE practice Tests due Thursday – 2@50 questions each.
Weekly Written and Hands on exam

Week 6

Prepping For the A+ Certification (Getting There Part 2)

Home work due Tuesday

VCE practice Tests due Thursday – 2@50 questions each.

Manual Due on Build Day

Manual Build Day