Course Syllabus

Instructor: Mr. Ken Leyba
Course Hours: Friday 5:30PM – 8:15PM
Classroom: SAC 2102
Office Hours: Via Zoom by appointment
Office: NSM B216
E-mail: kleyba@csudh.edu (mailto:kleyba@csudh.edu) (Preferred method of communication)
Phone: 310-243-2815

Pre-requisites: None

Textbook: The textbook can be found online at O'Reilly Online Learning
EBook Link: O'Reilly Online Learning E-books ⤷ (https://libguides.csudh.edu/safari)
Textbook Title: CompTIA A+ Certification All-in-One Exam Guide, Tenth Edition (Exams 220-1001 & 220-1002), 10th Edition
Author: Mike Meyers

Resources: Given during class lecture or posted.

All quizzes, tests and final, will be based on the content of the book and resources referenced.

Course Goals:

The goals of this course are to enable the student to identify the major components used in a modern computer and the tools and diagnostics used to identify and repair failing components.

Outcomes:

Upon completion of this course, students will be able to:

- Identify and use tools and diagnostic hardware and software
- Identify and explain the computer boot process
- Identify the major components of a modern computer system
- Use proper techniques to troubleshoot a failing computer system
- Understand printing and networking

Requirements: Students are expected to attend lecture, which will reinforce the content of the textbook and include additional resources. Attendance will be taken. Quizzes, tests and final will be

taken during lecture hours and must be taken in class.

Quizzes & Tests: Quizzes will be given throughout the semester. There will be two tests, each test covering all chapters up to the point of that test. The Final examination will cover topics from the whole semester.

Course Outline (subject to change):

Week	Topic	Reading Assignment
09/02	Safety & Professionalism, The Visible Computer	Chapter 1 & 2
09/09	CPUs, RAM	Chapter 3 & 4
09/16	Firmware, Motherboards	Chapter 5 & 6
09/23	Power Supplies, ~~Midterm 1 (Chapters 1-6)~~	Chapter 7
09/30	~~Mass Storage Technologies, Implementing Mass Storage~~, Midterm 1 (Chapters 1-6)	Chapter 8 & 9
10/07	Mass Storage Technologies, Implementing Mass Storage, ~~Essential Peripherals~~	Chapter 10
10/14	Essential Peripherals, Building a PC	Chapter 11
10/21	Windows Under the Hood, Midterm 2 (Chapters 7-11)	Chapter 12

10/28	Working with the Command Line Interface	Chapter 15
11/04	Troubleshooting Operating Systems	Chapter 16
11/11	Veterans Day Holiday (Campus Closed)	
11/18	Display Technologies	Chapter 17
11/25	Thanksgiving Break (Campus Closed)	
12/02	Portable Computing	Chapter 23
12/09	Printers and Multifunction Devices	Chapter 26
12/16	Final Exam 5:30PM – 7:30PM	

Grading Breakdown:

Grade Scale:

Score	Grade	Score	Grade	Score	Grade
96-100	A	77-79	C +	0-59	F
90-95	A -	73-76	C		

87-89	B +	70-72	C -		
83-86	B	67-69	D +		
80-82	B -	60-66	D		

Grade Percentages

Quizzes (Lowest Drop)	20%
Assignments/Labs	10%
Tests (2)	30%
Final	40%

Class Etiquette:

Arrive to class on time. Turn off or set all electronic devices to off, vibrate or silent. If you need to attend to an emergency, please leave the classroom in a quite manner.

Academic Integrity:

Please read and understand the Academic Integrity ⇨ (https://catalog.csudh.edu/general-information/academic-integrity/) document.

Quiz, Test, and Lab Requirements

- All work must be in **black** or **blue** _No other colors or pencil will be accepted_.
- Desks must be cleared of all paper, books and electronic devices. One 8.5" x 11" sheet of notes will be accepted.