

University of Arkansas - Fort Smith
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General Syllabus

CPSI 12133 Cyber Devices II

Credit Hours: 3 Lecture Hours: 1 Laboratory or other types of Hours:4

Prerequisite: CPSI 11133 Cyber Devices I

Effective Catalog: 2021-2022

I. Course Information

A. Catalog Description

Identifying, using, and connecting multiple components and devices via networks. Installing, configuring, securing and supporting client applications for desktop and mobile devices. Comparing and contrasting local versus remote technologies for client usage and support. Troubleshooting device, software, and network issues.

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to:

1. Analyze and identify hardware, software and network components that will interoperate successfully.
2. Analyze, identify, and install or upgrade operating systems that will function on given client hardware
3. Install and configure appropriate application software for desktop and mobile devices using local and cloud software
4. Configure logical and physical security
5. Communicate for effective support and troubleshooting

B. University Learning Outcomes (ULO)

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will analyze problems and identify solutions to ensure hardware, software and network components interoperate successfully.

III. Major Course Topics

- A. Configuring networking for client devices
- B. Network operating system versions and target devices
- C. Advanced installation / upgrade methods
- D. Multiple Operating System features, tools, utilities, and command-line
- E. Physical security
- F. Logical security
- G. Wireless networking security
- H. Securing a workstation or mobile device
- I. Software troubleshooting