

Department:

Computer Support Technology

Course Description:

This course is designed to give the second semester student supervised practice with computerized testing. Students will apply previously learned skills and concepts in preparation for the CompTIA Network+ Examination. Practice test banks will be used to simulate the exams. Students will take practice tests, review answers, research incorrect answers, and obtain correct answers. The actual exam is scheduled when the student feels prepared for it.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Consistently pass the practice Network+ Exam with at least 98% accuracy
2. Research incorrect answers to questions on the practice exams and obtain correct answers
3. Take the CompTIA Network+ Exam

Course Content:

- A. Introduction to Networking
- B. Cabling, Connectors, and Ethernet Standards
- C. Networking Components and Devices
- D. OSI Model and Network Protocols
- E. TCP/IP Routing and Addressing
- F. WAN Technologies and Internet Access
- G. Wireless Networking
- H. Network Performance Optimization
- I. Network Security
- J. Network Management Tools and Documentation
- K. Troubleshooting and Supporting the Network

Learning Assessments:

Competencies will be assessed by assignments, case problems, quizzes, chapter tests, hands-on projects, lab assignments, a midterm test, and a final test. The tests may be in the objective or problem solving format.

Instructional Materials:

Textbook: Exam Cram CompTIA Network +. ISBN: 0789737965

**Guidelines for Requesting Accommodations Based on
Documented Disability or Medical Condition**

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

On-Campus Students: At enrollment, any on campus student may complete a form that will allow them to self-identify any disability.

Off-Campus Regional Students: Self-identify your disability and accommodation needs with the Regional Coordinator and/or instructor, preferably prior to the first class meeting.

Online Students: Self-identify your disability and accommodation needs by contacting the Disabilities Coordinator. Students must provide their own programs to allow accessibility on their home computer.

Any student may also identify their disability by completing an online form located on the HCC homepage under Students Services/Resources/Disabilities. Questions should be directed to the Disabilities Coordinator.