EASTERN ARIZONA COLLEGE
Server Administration
Course Design
2017-2018

Course Information
Division: Business
Course Number: CMP 255
Title: Server Administration
Credits: 3
Developed by: James McBride
Lecture/Lab Ratio: 2 Lecture/2 Lab
Transfer Status:

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<th>ASU</th>
<th>NAU</th>
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<td>Elective Credit</td>
<td>ISM Departmental Elective</td>
<td>Non Transferable</td>
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Activity Course: No
CIP Code: 11.0100
Assessment Mode: Pre/Post Test (CompTIA Server+ exam/100 Questions/100 Points)
Semester Taught: Upon Request
GE Category: None
Separate Lab: No
Awareness Course: No
Intensive Writing Course: No

Prerequisites
None

Educational Value
This hands-on course is designed to prepare the student for the CompTIA Server+ certification exam and for the challenges faced as a server administrator.

Description
CompTIA Server+ is an international, vendor-neutral certification for technical support professionals with 18 to 24 months of IT experience. CompTIA Server+ certifies the technical knowledge and skills required to build, maintain, troubleshoot, and support server hardware and software technologies. The exam covers virtualization, disaster recovery and security procedures.

Supplies
TestOut LabSim. Online content obtained in class; requires additional fee in lieu of book. Access to a networked personal computer.
Competencies and Performance Standards

1. Demonstrate an understanding of the roles of servers in a network environment.

   Learning Objectives
   What you will learn as you master the competency:
   a. Discuss the elements of servers in a network environment.
   b. Analyze scenarios for proper server installation and usage.

   Performance Standards
   Competence will be demonstrated:
   o in oral discussion
   o in tests
   o in labs

   Criteria – Performance will be satisfactory when:
   o learner identifies variations and implementation facts in oral discussion
   o learner completes labs demonstrating proper server implementation
   o learner completes tests covering server terms

2. Explain how server components differ from personal computers.

   Learning objectives
   What you will learn as you master the competency:
   a. Discuss the elements of server hardware.
   b. Install and configure server hardware.

   Performance Standards
   Competence will be demonstrated:
   o in oral discussion
   o in tests
   o in labs

   Criteria – Performance will be satisfactory when:
   o learner expresses knowledge of hardware implementation facts in oral discussion
   o learner completes labs demonstrating proper server hardware implementation
   o learner completes tests covering server hardware terms

3. Demonstrate an understanding of server operating systems and how they differ from personal computer operating systems.

   Learning objectives
   What you will learn as you master the competency:
   a. Discuss elements of server operating systems.
   b. Implementing a server operating system.

   Performance Standards
   Competence will be demonstrated:
   o in oral discussion
   o in tests
   o in labs
Criteria – Performance will be satisfactory when:

- learner expresses knowledge of operating system settings and components in oral discussion
- learner completes labs demonstrating proper server operating system implementation
- learner completes tests covering server operating system terms

Types of Instruction
Classroom Presentation
In class Discussion
On Campus Laboratory

Grading Information
Grading Rationale
Each instructor has the flexibility to develop evaluative procedures within the following parameters:
1. The Post Test will represent 25% of the course grade.
2. Course learning activities shall represent 75% of the course grade.

Grading Scale
A  90-100%
B  80-89%
C  70-79%
D  60-69%
F  0-59%