

Bossier Parish Community College

Master Syllabus

Course Prefix and Number: CTEC 170

Credit Hours: 3-3-0

Course Title: Microsoft Windows Server

Course Prerequisites: CTEC 114

Textbook(s): MindTap for Eckert's Hands-On Microsoft® Windows® Server 2019, 1 term Instant Access, 3rd Edition, Cengage ISBN-13: 9780357436219

Course Description: Students will be involved with the installation, storage, and compute functionalities available in Windows Server 2019. Students perform general installation tasks, including installing and configuring a Windows server, implementing Hyper-V and rapid service deployment. Students will gain experience with local and server storage solutions including managing data storage, configuring, and managing network services including remote access services. Students will become familiar configuring web services and cloud technologies and securing a Windows network. Finally, students will be introduced to active directory and account management. This course is required toward the CNSS 4011-4016 certifications.

Learning Outcomes:

At the end of this course, the student will:

- A. install and configure servers;
- B. configure server roles and features;
- C. configure Hyper-V;
- D. deploy and configure core network services;
- E. install and administer Active Directory; and
- F. create and manage Group Policy.

To achieve the learning outcomes, the student will or will be able to:

(The letter designations at the end of each statement refer to the learning outcome(s).)

- 1. install and configure server (A);
- 2. configure local storage (A);
- 3. configure file and share access (B);
- 4. configure print and document services (B);
- 5. configure servers for remote management (B);
- 6. create and configure virtual machine settings (C);
- 7. create and configure virtual machine storage (C);
- 8. create and configure virtual networks (C);
- 9. configure IPv4 and IPv6 addressing (D);
- 10. deploy and configure Dynamic Host Configuration Protocol (DHCP) service (D);
- 11. deploy and configure DNS service (D);
- 12. install domain controllers (E);
- 13. create and manage Active Directory users and computers (E);

14. create and manage Active Directory groups and organizational units (OUs) (E);
15. create Group Policy objects (GPOs) (F);
16. configure security policies (F);
17. configure application restriction policies (F); and
18. configure Windows Firewall (F).

Course Grading Scale:

90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
0 – 59 = F

Course Requirements:

1. A student must successfully complete the course with an average of 70% or above on the combined learning outcomes.
2. Each student is expected to attend classes regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).

Attendance Policy: The college attendance policy is available at
<http://www.bpcc.edu/catalog/current/academicpolicies.html>

Course Fees: This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams and/or clinical fees.

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

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Equity/Compliance Coordinator

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