

**JEFFERSON COLLEGE**  
**COURSE SYLLABUS**

**CIS154**

**MS SERVER I**

4 Credit Hours

Revised by: Douglas Hale  
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## CIS154 MS Server I

### I. CATALOGUE DESCRIPTION

- A. Pre-requisite: Reading Proficiency  
Pre/Co-requisite: CIS147 Networking I, with a Grade of “C” or Better
- B. 4 Credit Hours
- C. MS Server I prepares the students to prove mastery of core Windows Server services. The skills learned will include managing Active Directory Domain Services objects, creating and managing network storage, administrating file and print services, implementing Group Policy, and installing and configuring server virtualization with Hyper-V and other networking services. This course maps to the Microsoft MS 70-410 exam. (S)

### II. EXPECTED LEARNING OUTCOMES/CORRESPONDING ASSESSMENT MEASURES

Install and configure various Microsoft Windows Server operating systems and components	Quizzes Exams Hands-On Exercises Certification Exam
Install and configure Microsoft Windows Server roles and features	Quizzes Exams Hands-On Exercises Certification Exam
Install and configure Microsoft Hyper-V virtualization technologies	Quizzes Exams Hands-On Exercises Certification Exam
Deploy and configure core network services on Microsoft Windows Server	Quizzes Exams Hands-On Exercises Certification Exam
Install and administer Active Directory	Quizzes Exams Hands-On Exercises Certification Exam
Create and manage Microsoft Group Policy	Quizzes Exams Hands-On Exercises Certification Exam

### III. OUTLINE OF TOPICS

- A. Installing Servers
- B. Configuring Servers
- C. Configuring Local Storage
- D. Configuring File and Share Access
- E. Configuring Print and Document Services
- F. Configuring Servers for Remote Management
- G. Creating and Configuring Virtual Machine Settings
- H. Creating and Configuring Virtual Machine Storage
- I. Creating and Configuring Virtual Networks
- J. Configuring IPv4 and IPv6 Addressing
- K. Deploying and Configuring DHCP Service
- L. Deploying and Configuring DNS Service
- M. Installing Domain Controllers
- N. Creating and Managing Active Directory Users and Computers
- O. Creating and Managing Active Directory Groups and Organizational Units
- P. Creating Group Policy Objects
- Q. Configuring Security Policies
- R. Configuring Application Restriction Policies
- S. Configuring Windows Firewall

### IV. METHOD(S) OF INSTRUCTION

- A. Lecture
- B. Group Collaboration
- C. Hands-On Activities

V. REQUIRED TEXTBOOK(S)

Craig Zacker, *70-410 Installing and Configuring Windows Server 2012 with Lab Manual and MOAC Labs Online Set*, (Current Edition), Wiley

VI. REQUIRED MATERIALS

USB Removable Storage Device (Flash Drive)

VII. SUPPLEMENTAL REFERENCES

None

VIII. METHOD OF EVALUATION

A.	Participation	15%
B.	Hands-on Exercises	20%
C.	Quizzes	20%
D.	Exams	40%
E.	Certification Exam (Pass/Fail)	5%

IX. ADA AA STATEMENT

Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services (Technology Center 101; phone 636-481-3169).

X. ACADEMIC HONESTY STATEMENT

All students are responsible for complying with campus policies as stated in the Student Handbook (see College Website <http://www.jeffco.edu>).

## XI. ATTENDANCE STATEMENT

Regular and punctual attendance is expected of all students. Any one of these four options may result in the student being removed from the class and an administrative withdrawal being processed: (1) Student fails to begin class; (2) Student ceases participation for at least two consecutive weeks; (3) Student misses 15 percent or more of the coursework; and/or (4) Student misses 15 percent or more of the course as defined by the instructor. Students earn their financial aid by regularly attending and actively participating in their coursework. If a student does not actively participate, he/she may have to return financial aid funds. Consult the College Catalog or a Student Financial Services representative for more details.

## XII. OUTSIDE OF CLASS ACADEMICALLY RELATED ACTIVITIES

The U.S. Department of Education mandates that students be made aware of expectations regarding coursework to be completed outside the classroom. Students are expected to spend substantial time outside of class meetings engaging in academically related activities such as reading, studying, and completing assignments. Specifically, time spent on academically related activities outside of class combined with time spent in class meetings is expected to be a minimum of 37.5 hours over the duration of the term for each credit hour.