

CLASS NUMBER AND NAME:	CSN218—Windows Server Active Directory
TOTAL HOURS/ UNITS:	72 HOURS/5.0 UNITS
PREREQUISITES:	CSN160- Network Plus
TEXTS AND MATERIALS:	<i>Administering Windows Server 2012 R2</i> (Patrick Regan, John Wiley & Sons Inc, 2014) <i>Administering Windows Server 2012 R2– Lab Manual</i> (Patrick Regan, John Wiley & Sons Inc, 2014) (ISBN 9781118882832)
CLASS DESCRIPTION:	An instructor-led class and lab introducing the student to Microsoft Active Directory Services. Students will learn to organize Forests, Domains, Organizational Units and objects with Active Directory.
CLASS OBJECTIVES:	A combination of lecture, lab exercises, and hands-on training introducing the student to key concepts of the Active Directory and the tools to manage it.
CLASS FORMAT OVERVIEW:	This class is a combination of lecture and lab. Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time.
METHODS OF INSTRUCTION:	As lecture and lab are the principal means of instruction, it will be expected that all students will be present every day to take part in class.
ATTENDANCE:	It is expected that each student will be in class <u>when class begins</u> . Should the student arrive more than <u>ten minutes late</u> they should notify the instructor of their presence, it will be up to the instructor to decide if the student has arrived in time to be counted as present- the instructor’s decision is final. <u>80% attendance is mandatory</u> It will be the student’s responsibility to learn of any assignments given in class when absent.
TESTING:	Quizzes will be given throughout the mod as well as a cumulative final exam. All quizzes, examinations, exercises and homework must be satisfactorily completed with a passing grade of 60% or better in order to pass the course.

LATE TESTING:

Late testing is only allowed at the instructor's discretion.

GRADING POLICIES:

The grading system is comprised of attendance, assignments, weekly tests and an end-of-module final and will be graded on the following scale:

Homework, tests and final

Attendance	20%
Homework	20%
Weekly Exams	40%
Final Exam	<u>20%</u>
Module total	100%

Combined grades from attendance, assignments, weekly tests and end-of-module final will be graded on the following scale:

(90 – 100%)	= A
(80 – 89%)	= B
(70 – 79%)	= C
(60 – 69%)	= D
Below 59%	= F

**ANTICIPATED LEARNING
OUTCOMES:**

With diligence, hard work, and successful completion of this course, the student will be able to do the following in a Windows 2012 R2 environment:

1. Plan and automated installation and updating of Windows Server 2012 R2.
2. Configure various Authentication methods available in 2012 R2 server and Active Directory Group Policy.
3. Install and manage Domain Name Service. Create forward and reverse lookup zones, forwarders. Configure clients for name resolution
4. Configure routing and remote access, wireless, network address translation and RADIUS.
5. Install and configure file and print services. Understand Share and NTFS permissions. Configure distributed file system. Use Shadow copies, back and restore services and disk quotas.
6. Manage and monitor Network Infrastructure by using Windows Server Update Services (WSUS), Group Policy objects (GPOs), Performance Monitor, Network Monitor, and Event Logs.
7. Work with Network Access Protection (NAP) and Network Policy Servers (NPS) to secure network infrastructure.

6 Week Tentative Schedule

CSN218

Week 1

Chapters 1, 2 & 3

Test

Homework due

Week 2

Chapters 4, 5, 6 & 7

Test

Homework due

Week 3

Chapters 8, 9, 10 & 11

Test

Homework due

Week 4

Chapters 12, 13, 14 & 15

Test

Homework due

Week 5

Chapters 16, 17, 18 & 19

Test

Homework due

Week 6

Chapter 20, 21 & 22

Final

Homework due