

NTM 3310

Network Server Administration

Tuesday-Thursday 10:30-11:45, Davis D2-311, Fall 2014

Instructor: Ken Cuddeback

SI: Akapone (AJ) Singta

Office: EH-374

Email: kcuddeback@weber.edu

Email: akhaponesingta@weber.edu

Phone: (801)626-6026

Web: <http://faculty.weber.edu/kcuddeback/> Classroom: Davis Campus Building 2 Room 311

Text: Required: Training Guide: Installing and Configuring Windows Server 2012 R2, Mitch Tullock, Microsoft Press, 2012, ISBN: [978-0-7356-7310-6](https://www.amazon.com/dp/9780735673106).

Course Description:

The purpose of this course is to teach students the necessary skills to become confident in the administration of a Microsoft Windows Server 2012 server and to prepare them to take the MCITP Exam. Students will learn how to install, configure, manage, and troubleshoot hardware and applications in a Server 2012 environment. With a specific focus on Server 2012 fundamentals, this course will teach students how to install Server 2012, configure Active Directory, create and manage users, install server roles and features, perform diagnostics, and troubleshoot malfunctioning servers.

Learning Outcomes: At the completion of this course the students will be able to:

1. Install Microsoft Windows Server 2012
2. Configure Active Directory Domain Services
3. Manage Active Directory Objects
4. Configure Virtualization in Server 2012 with Hyper-V
5. Deploy IIS and Active Directory Certificate Services
6. Install Server and Network Monitoring
7. Enhance Security in a Server 2012 Environment

Coursework:

1. Chapter Tests - An adequate knowledge of networking vocabulary and content is necessary to become a functional member in the information technology work force. Each chapter test consists of 40 multiple choice questions and will cover three chapters of the text. Study sheets will be provided to help students study for these tests. There are a total of five chapter tests and they can be taken at any Chi Tester testing center. Each test is worth 100 points, and students will be given two hours to complete each one.

- Test 1 - Chapters 1-3
- Test 2 - Chapters 4-6
- Test 3 - Chapters 7-9
- Test 4 - Chapters 10-11

2. Labs - The most important thing that students will learn from this course is how to configure a Microsoft Server 2012 server. In each chapter, students will have a lab or two that will teach them how to configure certain aspects of a server. Labs will be done in Netlab. After completing each lab, students will copy one or more file to their designated folder on the file server for grading. An email will be sent to your instructor when you have clicked "I'm done". Each lab will be worth 10 points. Late labs will only be accepted for 5 days after the due date with a 25% penalty. Once the grace period for late work has passed, the answer keys for the lab will be made available on the class website. Lab work submitted more than 5 days late will receive no credit.

Grading:

Labs	160 Points - 30%
Chapter Tests	400 Points - 40%
Production Tests	200 Points - 30%

All assignments are due on or before the due dates listed in the schedule. Grades are calculated by the grade weight. Total points earned will not reflect actual grade because of how the grade weighting system works.

Software:

This class only requires a web browser with a current version of Java to use Netlab. Use 137.190.205.248 as the URL in a web browser to access Netlab.

Policies:

1. Testing: Chapter tests can be taken at any testing center that supports the Chi Tester.
2. Ethics: Failure to maintain academic ethics/academic honesty including the avoidance of cheating, plagiarism, collusion, and falsification will result in an E in the course, and may result in charges being issued, hearings being held and/or sanctions being imposed.
3. Withdrawal: The last day to withdraw from this class is at the end of the ninth week. If a student wishes to withdraw, he or she must do so by this date.
4. Deadlines: Students are encouraged to take tests as soon as possible because testing centers have a tendency to become extremely busy as the semester draws to a close.
5. Special Needs: Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Service Center. SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary.

Schedule

Week of

August 24		Chapter 1 – Preparing for Windows Server 2012 R2 Lab 0 Due: Sept 5.
September 1	Labor Day 9/1	Chapter 2 – Deploying Windows Server Lab 1-1 & Lab 1-2 Due: Sept 12.
September 7		Chapter 3 –Server Remote Management Lab 2-1 Due: Sept 19.
September 14		Chapter 4 – Deploying Domain Controller Lab 2-2 & 3 Due: Sept 28 Chapters 1-3: Test 1 Due: September 20
September 21		Chapter 5 – Active Director Administration Lab 4 Due: Oct 3
September 28		Chapter 6 – Network Administration Lab 5 Due: Oct 10
October 5		Lab 6-1 Due: Oct 17 Production Test 1 Due: Oct 17
October 12		Chapter 7 – Hyper-V Virtualization Chapters 4-6: Test 2 Due: October 18 Lab 6-2 Due: Oct 24
October 19		Lab 7 Due: Oct 31
October 26		Chapter 8 – File Services and Storage Lab 8 Due: Nov 7
November 2		Chapter 9 – Print and Document Services

Chapter 7-9: Test 3 Due: Nov 15

Lab 9 Due: Nov 14

November 9

Chapter 10 – Implementing Group Policy

Lab 10 Due: Nov 28

November 16

**Thanksgiving
Week**

Take a Break

November 23

Chapter 11 – Configuring Windows Firewall and IPsec

Lab 11-1 & Lab 11-2 Due: Dec 5

November 30

December 7

**Chapter Test 10-11 Due: December 11th on the
scheduled final day/time which is Thursday the 11th, at
10:30 am, D2-311.**

**ALL TESTS MUST BE COMPLETED BY THE DATE
INDICATED ABOVE.**