Instructor: Zach Rossmiller – MCSE, MCSA, MS, MCP, A+, Net+, ITIL v3
Email: zachary.rossmiller@umontana.edu
Phone: 243-6556
Office: GH8D
Office Hours: Available by appointment
Section: 01 (CRN#: 75280)
Credits: 3
Meeting Time: MWF; M, F 8:10 – 9:00 AM; W 8:10 – 10:00 AM
Location: HB 04

Prerequisites:
- ITS 150 – CCNA 1
- ITS 210 – Network Operating Systems – Desktop (completed or in progress)

Course Description
ITS 212 examines server applications commonly used in local area networking. Topics include installation and administration of file systems, printing services, DNS, DHCP, Active Directory, Group Policy, and implementing server virtualization with Hyper-V.

Course Structure:
The course combines classroom based activities with independent, self-directed, lab experiences. The lab component of the course is intended to provide students the opportunity to apply server technologies commonly used by professionals in the IT field.

This is a major-specific course for students with a networking emphasis. My goal is to give you experience with server structure and management so that when you enter the workforce, you already have skills that set you apart from other candidates who only have a textbook understanding of servers. I emphasize real-world application of the material so you have a practical appreciation of the information.

Course Objectives:
- Students will be familiar with server planning, deployment, migrating, configuring, and management tasks. (Chapters 1, 2)
- Students will manage, configure, and troubleshoot disk storage systems. (Chapters 3, 4)
- Students will manage, configure, and troubleshoot printing services. (Chapter 5)
- Students will configure servers for remote management and utilize server management tools and utilities. (Chapter 6)
- Students will configure virtual machines settings, storage, and networks. (Chapters 7, 8, 9)
- Students will understand terminology and concepts regarding IPv4. (Chapter 10)
- Students will learn the important roles of DHCP, DNS, and Domain Controllers and how the three affect day-to-day operations of a systems administrator. (Chapters 11, 12, 13)
- Students will learn the important roles of Active Directory and Group Policy. (Chapter 14, 15, 16)
- Students will configure security policies and software utilizing Group Policy. (Chapters 17, 18)
- Students will build and configure Windows Firewall. (Chapter 19)

**Required Materials:**


Additionally, if you do not want to purchase the e-text version, you may purchase the book version from the Bookstore for $210.95 or online.


Then scroll down until you see:

**Course Schedule:**

I will have a PDF version of the class schedule posted on Moodle. I will let you know if the schedule changes, but when in doubt, refer to Moodle for the latest class schedule.

**Attendance:**

In order to succeed in this class, you will need to attend class. Attendance will be mandatory and attendance will be taken at the beginning of each class. I understand there might be personal issues that might prevent you from attending class. Here are my rules on attendance:

- Each student will be allowed three (3) excused absences. If you miss more than three times, your final course grade will be lowered by a full grade.
- If you are going to be gone, please email me so I am aware of the situation.
- If you are gone, please do not email me and ask what you missed – it is your responsibility to refer to the class schedule or ask one of your classmates.
- If you need to leave class early, please let me know ahead of time. Failure to do so may result in the loss of attendance for that day.
Quizzes:
There will be twelve (12) quizzes throughout the semester. The quizzes will be worth five points each, and will be relevant to what we are learning during that particular day or week. Quizzes will be administered periodically during class to assess preparation and understanding. They may occur at any time during the class period. Often they will be given at the beginning of class, so be prepared for class when class begins. I expect students to read the lessons BEFORE class and these questions could be right from the textbook. Quizzes will be a short 5-minute quiz that will be taken on Moodle and may take the form of a written paragraph, short answers to several questions, or multiple choice. Make up quizzes will not be given unless for a documented medical reason or university-sanctioned event.

Lab Assignments:
With each lab, you will need to fill out the lab worksheet and answer the lab questions. You will have a blank template and you will be required to fill it out. All lab assignments are to be submitted via Moodle.

Homework Assignments:
As we cover each chapter in the textbook I will assign review questions over the material. These will be assigned as we work through each chapter. I expect them to be typed with proper formatting. All homework assignments are to be submitted via Moodle.

Late Work/Due Dates:
All exams are to be taken on the assigned date and time unless prior arrangements are made. Assignments are due at the start of class on the assigned date and time. Late work is not accepted.

Submission Requirements:
For assignments that you upload to the Moodle shell, please use a word processor and submit in PDF or .DOCX format.

For Homework Assignments:
LastnameFirstLetter - ITS212 - H.x (Where x is the assignment, such as Homework lesson 1)

Example: rossmillerz - ITS 212 - H.1

For Lab Assignments:
LastnameFirstLetter - ITS212 - L.x (Where x is the assignment, such as Lab lesson 1)

Example: rossmillerz - ITS 212 - L.1

Students frequently contact me, explaining that they uploaded the wrong assignment or need to go back and correct something. If this happens, you can go into the Moodle shell and delete your submission, then upload the corrected version. This is available to you any time before the assignment deadline.
**Exams:**
There will be three (3) exams throughout the semester (not including the Final Exam). The exams will cover material from the labs, lectures, readings, and textbooks.

There will be at least one skills exam, where you will be asked to perform certain tasks and demonstrate successful completion of the activity. We will go over this in detail prior to the first skills exam.

There may be a troubleshooting exam, where you will be given a “broken” server and asked to identify and/or correct problems. You will be graded on your thought process and approach to troubleshooting as well as whether your server works at the end of the exam. We will go over this in detail prior to a troubleshooting exam.

**Final Exam:**
The final exam is comprehensive and will be given in two parts – a written section and multiple choice. A comprehensive study guide will be made available when we finish the last exam for the class.

**Grading Course Activities:**
Moodle will be used to post grades.

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<th>Activity</th>
<th>Weight</th>
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<tr>
<td>Course Exams</td>
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<td>Exam 1</td>
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<td>Skills Exam</td>
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<td>Lab Assignments</td>
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**Grading Scale:**

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<td>60 – 69%</td>
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Email & Moodle:

- The university policy regarding student e-mail requires faculty members to only correspond with students regarding academic issues if both parties use official UM e-mail addresses. So please do not use GMAIL, Yahoo, Hotmail, etc... to contact me.
- I have email on my phone, work computer, personal computer, and tablet. I check my email constantly. If you email me during the day, expect a response within a few hours (most of the time). I will respond to emails over the weekend, but expect a delayed response.
- Treat all emails as a form of professional communication in the class. Your messages should be well written and grammatically correct. Furthermore, your messages should begin with a proper salutation and closing. If your email does not meet these standards of professional communication, you will get a response asking you to rewrite it.
- It is your responsibility to check your email account and Moodle regularly. All email correspondence will be sent to your "@UMConnect.umt.edu" or "umontana.edu" accounts. You are responsible for all material provided to you through these venues so you should check them both regularly. It is a good idea to keep your Sent Items for all email communications.

Academic Conduct:

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at http://www.umt.edu/vpsa/policies/student_conduct.php.

Plagiarism:

Plagiarism will not be tolerated. If I suspect plagiarism, I will notify both the student(s) and the department chair as I investigate the situation. Assignments involving plagiarism will receive a 0. Make sure as you complete your assignments that everything is in your own words. Please do not copy material from other students. For more information on plagiarism, please visit: http://libguides.lib.umt.edu/plagiarism

Disability Accommodations Policy:

Students with documented disabilities will receive appropriate accommodations in this course when requested in a timely manner. Please be prepared to provide a letter from the DSS Coordinator and a description of the requested accommodation after class or by appointment with me. Please submit your requests early in the semester or even before the start of class. Accommodations will be available after we have discussed your request, but will not be available retroactively. I want each student to succeed, and putting accommodations in place as soon as possible helps make that happen.

Changes to the Syllabi:

NOTE: Instructor reserves the right to modify syllabi and assignments as needed based on faculty, student, and/or environmental circumstances. If changes are made to the syllabus, amended copies will be dated and made available to the class through Moodle.