NET 2435 - Cisco TCP/IP Advanced LAN/WAN Switching and Routing
Weber State University - Network Management Technology
Fall 2018

Instructor:	Andrew Drake
Classroom:	EH 318 - M/W 12:30 - 13:45
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Office Hours:	Tues: Davis 15:00 - 17:30, Wed: Ogden 13:30 - 16:00

Course Description:
This course is the second in a two-course series designed to prepare students to pass the examinations for Cisco Certified Network Associate (CCNA) Routing and Switching. This course uses the NetAcad coursework **Scaling Networks** and **Connecting Networks**.

Recommended Text
CCNA Routing and Switching ICND2 200-105 Official Cert Guide 1st Edition
- ISBN-10: 1587205793

CCNA Routing and Switching Portable Command Guide (4th Edition)
- ISBN-10: 1587205882

Learning Outcomes:
- Configure and troubleshoot routers and switches
- Resolve common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks
- Implement a WLAN in a small-to-medium network
- Configure and troubleshoot network devices
- Resolve common issues with data link protocols
- Resolve common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks
- Implement virtual private network (VPN) operations in a complex network

Teaching Methods:
Class will be taught using a combination of lecture and labs to present and reinforce the material. The Cisco Networking Academy portal will be used for slides, interactive applets, virtualized lab work, and testing. Grades will also be kept through the Netacad portal. Hands on labs will be used for instruction and testing. Virtual labs are available for some assignments, review of hands on labs, and self-study.

Quizzes and Labs:
You will be expected to complete the practice quiz for each chapter before taking the chapter exam in class. Please use these practice quizzes as a study aid to help prepare. There will be a combination of in class labs using physical equipment, packet tracer, and virtual remote equipment. There will also be homework labs using packet tracer and remote equipment.

Grade Scale:

95% - 100 % = A	90% - 94% = A-	
87% - 89% = B+	83% - 86% = B	80% - 82% = B-
77% - 79% = C+	73% - 76% = C	70% - 72% = C-
67% - 69% = D+	63% - 66% = D	60% - 62% = D-

Assignments: 35% Chapter Exams: 25% Skill Exam: 15% Final Exam: 15%
Chapter Quizzes: 10%
Final grade for the course will be the average of each of the NetAcad grades.
A grade of 30% or higher on the Skill Exam for each section is required to pass the class.

Late Work:
Missed work will require meeting with the instructor to complete if missed. Please inform the instructor of any absences as soon as possible, e-mail is preferred. It is at the instructor's discretion to allow late work.

ADA:
Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Services Center. SSD can also arrange to provide course materials (including the syllabus) in alternative formats if necessary.

Course Fees:
Course fees in NET 2435 are designed to cover the costs of equipment maintenance and replacement such as routers and servers, annual Cisco training fees, and consumable materials and supplies.

Academic Honesty:
Any attempt to gain unfair advantage during exams, or submitting another person's work as your own, is considered cheating. NMT policy dictates that any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in: 1) an automatic failing grade for the class and 2) a report to the Dean of Students that will include the student's name and a description of the student's dishonest conduct. You can find more information about academic honesty in the Weber State Policies and Procedures Manual.
http://www.weber.edu/ppm/Policies/6-22_StudentCode.html

Campus Closure:
In the event of the campus being closed, please check the Canvas portal for course instruction.