

WEBER STATE UNIVERSITY
NET 3715 – Network Technology Systems Applications Lab
COURSE SYLLABUS – SPRING SEMESTER 2018

LOCATION: WSU Davis Campus Room 311
INSTRUCTOR: Darin Myers – darinmyers@weber.edu
PHONE: Office: 801-220-4042 Cell: 801-332-0099
Date/Time: Thursdays – 7:30pm
Website: <http://faculty.weber.edu/dmyers/>

OBJECTIVES: Complete hands on labs working with transmission systems - TDM, Ethernet, and IP. Use of various circuit test sets. Installation, configuration, and troubleshooting of multiplexers, routers, switches, VoIP equipment/servers, etc. Run applications on private and public LAN/WAN networks. Discussion of new technologies.

<u>WEEK</u>	<u>DATE</u>	<u>SUBJECT</u>	<u>Assignment</u>
1	Jan 11	Lab Overview/TDM vs IP lecture	None
2	Jan 18	Media Overview/Digital Switching Lab	Lines
3	Jan 25	Optical Transport System Overview	Cisco 15454
4	Feb 1	Optical Transport Lab	PTP 7200 Rtrs
5	Feb 8	Electrical Transport Lab	Mux/Test equip
6	Feb 15	PTP Transport Lab	Avaya VoIP
7	Feb 22	Optical Transport Lab	Ethernet
8	Mar 1	Verizon site tour	None
9	Mar 8	No Class – Spring Break	None
10	Mar 15	IP Routing Lab	Basic
11	Mar 22	IP Routing Lab	Advanced
12	Mar 29	IP Routing Lab	Network failover
13	Apr 5	SIP Lab	Allworx
14	Apr 12	SIP Lab Cont.	SIP systems
15	Apr 19	Review	Review
16	Apr 26	Final Exam	Final

Labs: Will be given out at the beginning of classes and will be worked in groups. Attendance is required to complete labs.

Grading 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-

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.

Academic Honesty:

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.

Campus Closure:

In the event of the campus being closed please check the Canvas portal for course instruction.

Course Fees:

Course fees in the Network Management Technology major are designed to cover the costs of equipment maintenance and replacement, software, consumable materials and supplies, instructional resources, and certification.