

**WEBER STATE UNIVERSITY**  
**NET 3715 – Network Technology Systems Applications Lab**  
**COURSE SYLLABUS – SPRING SEMESTER 2020**

**LOCATION:** WSU Davis Campus Room 311  
**INSTRUCTOR:** Darin Myers – [darinmyers@weber.edu](mailto: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 9	Lab Overview/TDM vs IP lecture	None
2	Jan 16	Media Overview/Digital Switching Lab	Switch Lab
3	Jan 23	Optical System/Rack Eqpt Overview	Cisco 15454
4	Jan 30	Optical Transport Lab	PTP Router link
5	Feb 6	Electrical Transport Lab	Mux/Test equip
6	Feb 13	PTP Transport Lab	VoIP Lab
7	Feb 20	Optical Transport Lab	Ethernet
8	Feb 27	Verizon site tour	None
9	Mar 5	No Class – Spring Break	None
10	Mar 12	IP Routing Lab	Basic
11	Mar 19	IP Routing Lab	Advanced
12	Mar 26	IP Routing Lab	Redundancy
13	Apr 2	SIP Lab	Allworx
14	Apr 9	SIP Lab	Allworx
15	Apr 16	Review	Review
16	Apr 23	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.