

WEBER STATE UNIVERSITY
NET 3715 – Network Technology Systems Applications Lab
COURSE SYLLABUS – FALL 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 | Aug 30 | Lab Overview/TDM vs IP lecture | None |
| 2 | Sep 6 | Media Overview/Digital Switching Lab | Lines |
| 3 | Sep 13 | Optical System/Rack Eqpt Overview | Cisco 15454 |
| 4 | Sep 20 | Optical Transport Lab | PTP 7200 Rtrs |
| 5 | Sep 27 | Electrical Transport Lab | Mux/Test equip |
| 6 | Oct 4 | PTP Transport Lab | Avaya VoIP |
| 7 | Oct 11 | Optical Transport Lab | Ethernet |
| 8 | Oct 18 | Verizon site tour | None |
| 9 | Oct 25 | IP Routing Lab | Basic |
| 10 | Nov 1 | IP Routing Lab | Advanced |
| 11 | Nov 8 | IP Routing Lab | Redundancy |
| 12 | Nov 15 | SIP Lab | Allworx |
| 13 | Nov 22 | No Class - Thanksgiving | None |
| 14 | Nov 29 | SIP Lab Cont. | SIP systems |
| 15 | Dec 6 | Review | Review |
| 16 | Dec 13 | 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.