

WEBER STATE UNIVERSITY
NTM 3715 – Network Technology Systems Applications Lab
COURSE SYLLABUS – FALL SEMESTER 2015

LOCATION: WSU Davis Campus Room 311
INSTRUCTOR: Darin Myers – darinmyers@weber.edu
PHONE: Office: 801-220-4042 Cell: 801-597-9264
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 live LAN/WAN networks. Discussion of new technologies.

| <u>WEEK</u> | <u>DATE</u> | <u>SUBJECT</u> | <u>Assignment</u> |
|-------------|-------------|--------------------------------|-------------------|
| 1 | Sep 3 | Lab Overview/TDM vs IP lecture | None |
| 2 | Sep 10 | Media overview/TDM lines lab | TDM lines lab |
| 3 | Sep 17 | TDM lines/trunks lab | TDM trunks lab |
| 4 | Sep 24 | Transport lab #1 | Transport lab |
| 5 | Oct 1 | Transport lab #2 | Transport lab |
| 6 | Oct 8 | IP Routing Labs - Basic | IP Routing Labs |
| 7 | Oct 15 | IP Routing Labs - Advanced | IP Routing Labs |
| 8 | Oct 22 | XO Comm. Site Tour | None |
| 9 | Oct 29 | T1 PTP/Network/Avaya VoIP Lab | None |
| 10 | Nov 5 | T3 PTP/Network/Avaya Volp Lab | None |
| 11 | Nov 12 | IP Routing Labs - Continued | IP Routing Labs |
| 12 | Nov 19 | SIP Lab | SIP Lab |
| 13 | Nov 26 | No Class - Thanksgiving | None |
| 14 | Dec 3 | SIP Lab | SIP Lab |
| 15 | Dec 10 | Labs Review for Final Exam | None |
| 16 | Dec 17 | Final Hands on Lab Exam | None |

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:

Any attempt to gain unfair advantage during exams, or submitting another student's work as your own, is considered cheating. If caught cheating in this class, you will fail the class and the university will pursue the matter.

Campus Closure:

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