

WEBER STATE UNIVERSITY
NTM 2730 – Network Technology Applications Lab
COURSE SYLLABUS – FALL SEMESTER 2014

LOCATION: WSU Davis Campus Room 311
INSTRUCTOR: Darin Myers – darinmyers@weber.edu
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Date/Time: Thursdays – 8:00pm
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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 over the public internet and private LAN/WAN networks. Discussion of new technologies.

<u>WEEK</u>	<u>DATE</u>	<u>SUBJECT</u>	<u>Assignment</u>
1	Aug 28	Lab Overview/TDM vs IP lecture	None
2	Sep 4	Media overview/TDM lines lab	TDM lines lab
3	Sep 11	TDM lines/trunks lab	TDM trunks lab
4	Sep 18	Transport lab #1	Transport lab
5	Sep 25	Transport lab #2	Transport lab
6	Oct 2	IP Routing Labs - Basic	IP Routing Labs
7	Oct 9	IP Routing Labs - Advanced	IP Routing Labs
8	Oct 16	XO Comm. Site Tour	None
9	Oct 23	T1 PTP/Network/Avaya VoIP Lab	None
10	Oct 30	T3 PTP/Network/Avaya Volp Lab	None
11	Nov 6	IP Routing Labs - Continued	IP Routing Labs
12	Nov 13	SIP Lab	SIP Lab
13	Nov 20	SIP Lab	SIP Lab
14	Nov 27	No Class – Thanksgiving	None
15	Dec 4	Labs Review for Final Exam	None
16	Dec 11	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:

Labs:	70%
Quizzes:	5%
Final Exam:	25%