

WEBER STATE UNIVERSITY
NTM 2710 – Network Technology Systems Management
COURSE SYLLABUS - FALL SEMESTER 2014

LOCATION: WSU Davis Campus Room 311
INSTRUCTOR: Darin Myers – darinmyers@weber.edu
PHONE: Office: 801-220-4042 Cell: 801-597-9264
Date/Time: Thursdays - 5:30pm
Website: <http://faculty.weber.edu/dmyers/> (download lecture notes from this site)

TEXT: **THE ESSENTIAL GUIDE TO TELECOMMUNICATIONS**
Fifth Edition, By Annabel Z. Dodd

OBJECTIVE: Students will understand the concepts, components, and architecture of: public carrier and private IP networks and switching systems, optical and electrical transport networks, regulatory environments, and mobile/wireless networks. Students will understand components and workings of basic TDM and IP transmission systems. Appreciate the management concepts involved in maintaining and operating a switching/transport network and understand future directions of switching systems and telecommunications networks.

Complete telecom network lab assignments as required.

<u>WEEK</u>	<u>DATE</u>	<u>SUBJECT</u>	<u>ASSIGNMENT</u>
1	Aug 28	Class Overview/Chp 3 – Industry Overview	Read
*2	Sep 4	Chp 1 Lecture – Enabling Technologies	Chp. 3 Quiz
*3	Sep 11	Trunking Lecture	Chp. 1 Quiz
4	Sep 18	Chp 4 Lecture – Carrier Networks	Read
*5	Sep 25	Chp 4 continued (transport lab)	Chp. 4 Quiz
6	Oct 2	Chp 2 Lecture – Ethernet/IP/VoIP	Read
*7	Oct 9	Switching/Routing – Cisco 3 Tiers	Chp. 2 Quiz
8	Oct 16	XO Comm. Site Tour	None
9	Oct 23	Chp. 5 Lecture	None
*10	Oct 30	Chp. 6 Lecture	Chp. 5 Quiz
*11	Nov 6	Chp. 7 Lecture/SIP Lecture	Chp. 6 Quiz
*12	Nov 13	Advanced Networks	Chp. 7 Quiz
13	Nov 20	Network management	None
14	Nov 27	No Class – Thanksgiving	None
*15	Dec 4	Review for Final Written Exam	None
16	Dec 11	Final Written Exam	None

***QUIZZES:** Will be given throughout the semester and will be based on the previous week's lecture, readings, and assignments. There will be no midterm examination. The final examination will be as scheduled for the class.

ASSIGNMENTS: Hands on lab assignments will be given throughout the semester. Lab assignments will be completed during the class period in groups.

GRADING:

Quizzes	50%
Final Exam	30%
Labs	20%