

WEBER STATE UNIVERSITY
NTM 3710 – Network Technology Systems Management
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 - 4:30pm
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 demonstrate knowledge of the concepts, components, and architecture of: public carrier and private IP networks and switching systems, optical and electrical transport networks, regulatory environments, and workings of basic TDM and IP transmission systems. Students will also demonstrate knowledge of cellular/mobile/fixed wireless technologies including network elements, routing, packet delivery, handoff technology, and the evolution of generations of wireless technologies and systems. Appreciate the management concepts involved in maintaining and operating a switching/transport network and understand future directions of switching systems and telecommunications networks.

| <u>WEEK</u> | <u>DATE</u> | <u>SUBJECT</u> | <u>ASSIGNMENT</u> |
|-------------|-------------|--|-------------------|
| 1 | Sep 3 | Class Overview/Chp 3 – Industry Overview | Read |
| *2 | Sep 10 | Chp 1 Lecture – Enabling Technologies | Chp. 3 Quiz |
| *3 | Sep 17 | Trunking Lecture | Chp. 1 Quiz |
| 4 | Sep 24 | Chp 4 Lecture – Carrier Networks | Read |
| *5 | Oct 1 | Chp 4 continued (transport lab) | Chp. 4 Quiz |
| 6 | Oct 8 | Chp 2 Lecture – Ethernet/IP/VoIP | Read |
| *7 | Oct 15 | Switching/Routing – Cisco 3 Tiers | Chp. 2 Quiz |
| 8 | Oct 22 | XO Comm. Site Tour | None |
| 9 | Oct 29 | Chp. 5 Lecture | None |
| *10 | Nov 5 | Chp. 6 Lecture | Chp. 5 Quiz |
| *11 | Nov 12 | Chp. 7 Lecture/SIP Lecture | Chp. 6 Quiz |
| *12 | Nov 19 | Advanced Networks | Chp. 7 Quiz |
| 13 | Nov 26 | No Class - Thanksgiving | None |
| 14 | Dec 3 | Network Management | None |
| *15 | Dec 10 | Review for Final Written Exam | None |
| 16 | Dec 17 | 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.

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.

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- |