WEBER STATE UNIVERSITY
NTM 3710 – Network Technology Systems Management
COURSE SYLLABUS - FALL SEMESTER 2016

LOCATION: WSU Davis Campus Room 311
INSTRUCTOR: Darin Myers – darinmyers@weber.edu
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.

WEEK DATE SUBJECT ASSIGNMENT
1 Sep 1 Class Overview/Chp 3 – Industry Overview Read
2 Sep 8 Chp 4 – Carrier Networks Chp. 3 Quiz
3 Sep 15 PCM Notes Chp. 4 Quiz
4 Sep 22 Signaling Notes PCM Quiz
5 Sep 29 WAN Data Networks Notes Signaling Quiz
6 Oct 6 Chp 2 Lecture – Ethernet/IP/VoIP WAN Quiz
7 Oct 13 Switching/Routing – Cisco 3 Tiers Chp. 2 Quiz
8 Oct 20 XO Comm. Site Tour None
9 Oct 27 IP Routing None
10 Nov 3 Chp. 5/Broadband/WAN Lecture None
11 Nov 10 Chp. 6/Internet Lecture Chp. 5 Quiz
12 Nov 17 Chp. 7 Mobile Networks Lecture/SIP Lecture Chp. 6 Quiz
13 Nov 24 No Class - Thanksgiving Chp. 7 Quiz
14 Dec 1 Network Management None
15 Dec 8 Review for Final None
16 Dec 15 Final 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:**
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.

**Grading Scale:**

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<td>95% - 100 %</td>
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<td>90% - 94%</td>
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