WEBER STATE UNIVERSITY
NET 3710 – Network Technology Systems Management
COURSE SYLLABUS - SPRING SEMESTER 2017

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 systsems.
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 Jan 12 Class Overview/Chp 3 – Industry Overview Read
*2 Jan 19 Chp 4 – Carrier Networks Chp. 3 Quiz
*3 Jan 26 PCM Notes Chp. 4 Quiz
*4 Feb 2 Signaling Notes PCM Quiz
*5 Feb 9 WAN Data Networks Notes Signaling Quiz
*6 Feb 16 Chp 2 Lecture – Ethernet/IP/VoIP WAN Quiz
*7 Feb 23 Switching/Routing – Cisco 3 Tiers Chp. 2 Quiz
8 Mar 2 Verizon site tour None
9 Mar 9 No Class – Spring Break None
10 Mar 16 Chp. 5/Broadband/WAN Lecture None
*11 Mar 23 Chp. 6/Internet Lecture Chp. 5 Quiz
*12 Mar 30 Chp. 7 Mobile Networks Lecture/SIP Lecture Chp. 6 Quiz
*13 Apr 6 Transport systems Chp. 7 Quiz
14 Apr 13 Network Management None
15 Apr 20 Review for Final None
16 Apr 27 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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