

WEBER STATE UNIVERSITY
NET 3710 – Network Technology Systems Management
COURSE SYLLABUS – SPRING SEMESTER 2021

LOCATION: WSU Davis Campus Room 311
INSTRUCTOR: Darin Myers – darinmyers@weber.edu
PHONE: Office: 801-220-4042 Cell: 801-332-0099
Date/Time: Thursdays - 4:30pm
Website: <http://faculty.weber.edu/dmyers/> (download lecture notes from this site)

TEXT: **Understanding Telecommunications Networks – 2nd Edition (2017).**
Author – A.R. Valdar

WSU Library access to ebook:

<https://hal.weber.edu/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=1585201&site=ehost-live>

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, 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	Jan 14	Chp 1 – An Intro to Telephony	Read
*2	Jan 21	Chp 2 – Networks and how they link	Chp. 1 Quiz
*3	Jan 28	Chp 3 - Network Components/PCM	Chp. 2 Quiz
*4	Feb 4	Chp 4 – Transmission Systems	Chp. 3 Quiz
*5	Feb 11	Chp 5 – Transmission Networks	Chp. 4 Quiz
*6	Feb 18	Chp 6 – Circuit Switching Systems	Chp. 5 Quiz
*7	Feb 25	Chp 7 – Signalling and Control	Chp. 6 Quiz
8	Mar 4	Verizon site tour	None
9	Mar 11	No class – Spring Break	None
*10	Mar 18	Chp 8 – Data switching and routing	Chp 7 Quiz
*11	Mar 25	Chp 9 – Mobile systems and networks	Chp. 8 Quiz
*12	Apr 1	Chp 10 – Numbering and addressing	Chp. 9 Quiz
*13	Apr 8	Chp 11 – Putting it all together	Chp. 10 Quiz
14	Apr 15	Network Management	Chp. 11 Quiz
15	Apr 22	Review for Final	None
16	Apr 29	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:

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-