

**WEBER STATE UNIVERSITY**  
**TBE 2720 - TRANSMISSION MEDIA**  
**Monday 5:30, - FALL SEMESTER 2014**

**LOCATION:** Davis Campus, D2-311  
**INSTRUCTOR:** Ken Cuddeback (kcuddeback@weber.edu)  
**PHONE:** Office: 626-6026  
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**TEXT:** **Introduction to Telecommunications**  
2<sup>nd</sup> Edition, By Anu A. Gokhale, Cengage Learning, 2005  
ISBN-13: 978-1-4018-5648-9  
ISBN-10: 1-4018-5648-9

Text is totally optional and very very expensive so I will take all test questions out of the powerpoint presentation, unless I mess up and make a mistake.

**OBJECTIVE:** To understand the common types of telecommunications transport media, including the typical uses, operating characteristics, business applications, and advantages and disadvantages of each. Investigation into the common types of telecommunication transport media, including the typical uses, operating characteristics, business applications, and emerging technologies in the marketplace.

<u>DATE</u>	<u>SUBJECT</u>
Aug 25	Topic 1 – An Overview of Telecommunications
Sep 1	<b>Labor Day – no class</b>
Sep 8	Topic 2 – Electronics for Telecommunications
Sep 15	<b>Quiz 1 (Topic 1-2)</b> Topic 3 – Transmission Media
Sep 22	Topic 4 – Voice Communications
Sep 29	<b>Quiz 2 (Topic 3-4)</b> Topic 5 – Wireless Communications
Oct 6	Topic 6 – Data Communications
Oct 13	<b>Quiz 3 (Topic 5-6)</b> Topic 7 – Wide Area Network and Broadband Technologies
Oct 20	<b>Security Conference – probably no class all week</b>
Oct 27	Topic 8 – Internet and Converged Networks

Nov 3	<b>Quiz 4 (Topic 7-8)</b> Topic 9 – Network Management
Nov 10	Topic 10 – Telecom Policy and Business Contracts
Nov 17	<b>Quiz 5 (Topic 9-10)</b> TCP/IP
Nov 24	TCP/IP (continued)
Dec 1	Satellite Communications
Dec 8	<b>Final Exam (comprehensive)</b>

**QUIZZES:** Will be given throughout the semester and will be based on the previous week's lectures, readings, and assignments. There will be no midterm examination. The final examination will be comprehensive but will be primarily over the last two topics discussed and will be taken on the last night of class. Each quiz will have one or two questions taken from the presentations given over the last quiz period.

**ASSIGNMENTS:** Will be reviews of current event articles describing the most up to date technologies and applications that will be discussed each week. **Each student will be required to discuss his or her findings in class and hand in a copy of their article to me, along with two test questions from each presentation** Five handin's will be required throughtout the semester each worth 10 points for a maximum of 50% of the final grade. Each student will be responsible for presenting on topics relevant to the nights discussions. If too far off the subject the class will decide if it will be accepted or not. So, everyone will research and present five times during the semester. These are NOT formal presentations but simply discussing something current with the class, not hard, don't panic. Remember everyone's material is testable and **NO ONE** can [weasel](#) out of it because your [hamster](#) died.

**GRADING:**

Assignments	50%
Quizzes	50%