COMP 3725: Reading Material

Week	Material Covered	Reading[1]
1	Introduction Network Models	1.1, 1.2 2.1, 2.2, 2.3
2	Physical Layer I	3.1, 3.2, 3.3 Supplementary Reading: o Appendix E: "Mathematical Review" E.1: Trigonometric Functions E.3: Exponent and Logarithm o "A Mathematical Theory of Communication" by Claude Shannon (1948)
3	Physical Layer II	3.4, 3.5, 3.6
4	Digital Transmission	4.1.1, 4.1.2 (Unipolar, Polar and Bipolar schemes only), 4.2, 4.3
5	Analog Transmission	5.1, 5.2
6	Multiplexing Transmission Media	6.1.1, 6.1.2, 6.1.3 7.1, 7.2, 7.3
7	**Midterm Examination** Switching	Note: Midterm will cover material from Chapters 1 through 7. 8.1, 8.2, 8.3
8	Data Link Layer Error Detection and Correction	9.1, 9.2 10.1, 10.2, 10.3.1, 10.3.2, 10.3.3, 10.4.1
9	Data Link Control Media Access Control	11.1, 11.2 12.1
10 (July 8, 2017)	Network Layer Network Layer Protocols	18.1, 18.2.1, 18.3, 18.4.1, 18.4.2, 18.4.3, 18.5 (Longest Mask Matching only) 19.1, 19.1.1, 19.1.2, 19.1.3, 19.2

Week	Material Covered	Reading[1]
11	Routing Transport Layer Transport Layer Protocols	20.1, 20.2.1, 20.2.2 23.1, 23.2.1, 23.2.2 24.1.2, 24.2.1, 24.2.2, 24.3.1, 24.3.2, 24.3.3, 24.3.4, 24.3.5, 24.3.6, 24.3.7, 24.3.8
12	**Final Examination**	Note: Comprehensive.

"That's all Folks!"

[1] Data Communications and Networking (5th Edition) - ISBN: 978-0-07-337622-6