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 Routing	

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