

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 | |

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