ITS323 – Data Transmission Notes

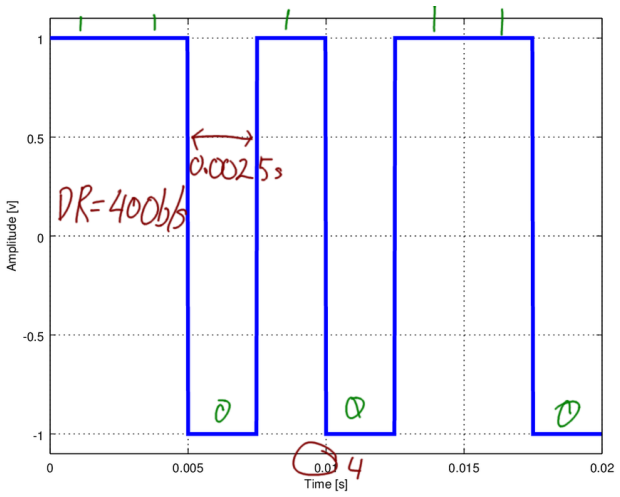

Figure 1: Example of digital data as digital signal 1; Lecture 02

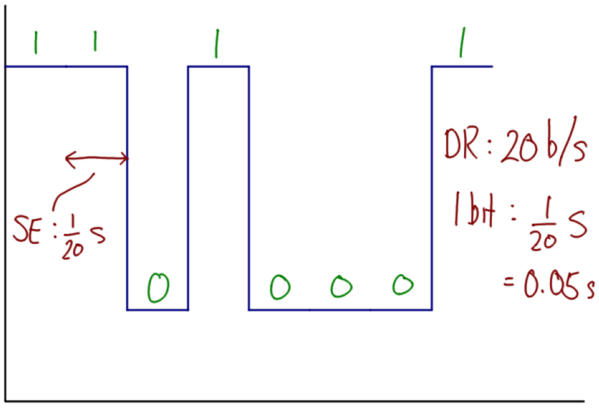

Figure 2: Example of digital data as digital signal 2; Lecture 02

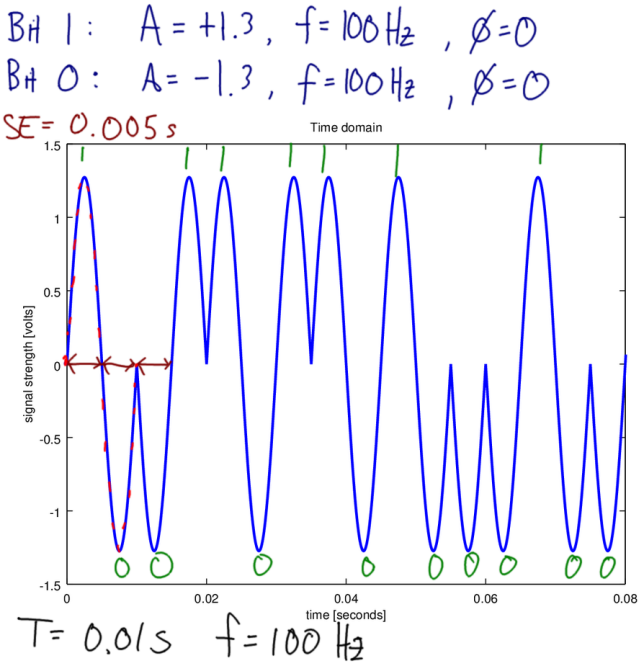

Figure 3: Example of digital data as analog signal 1; Lecture 02

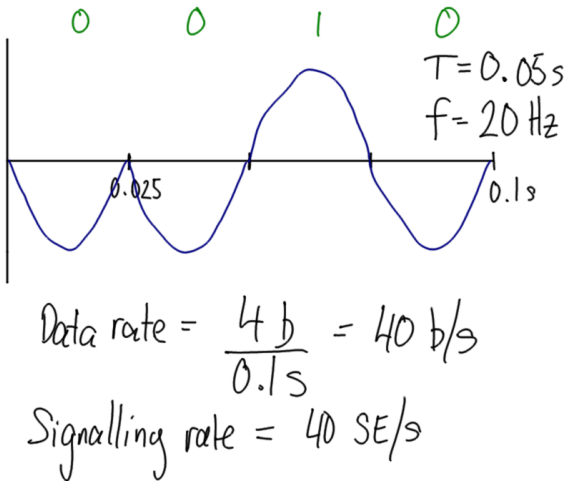

Figure 4: Digital Data as Analog Signal 2a; Lecture 03

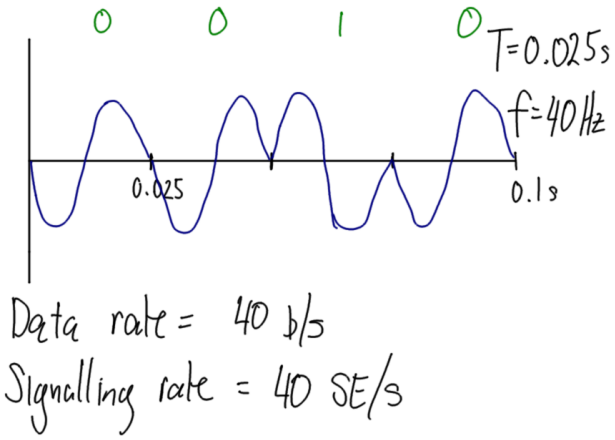

Figure 5: Digital Data as Analog Signal 2b; Lecture 03

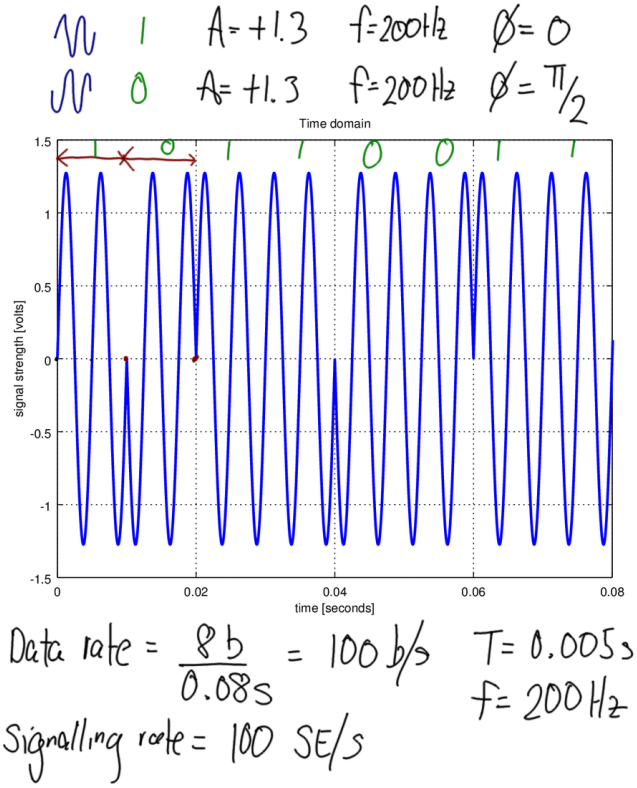

Figure 6: Digital Data as Analog Signal 3; Lecture 03

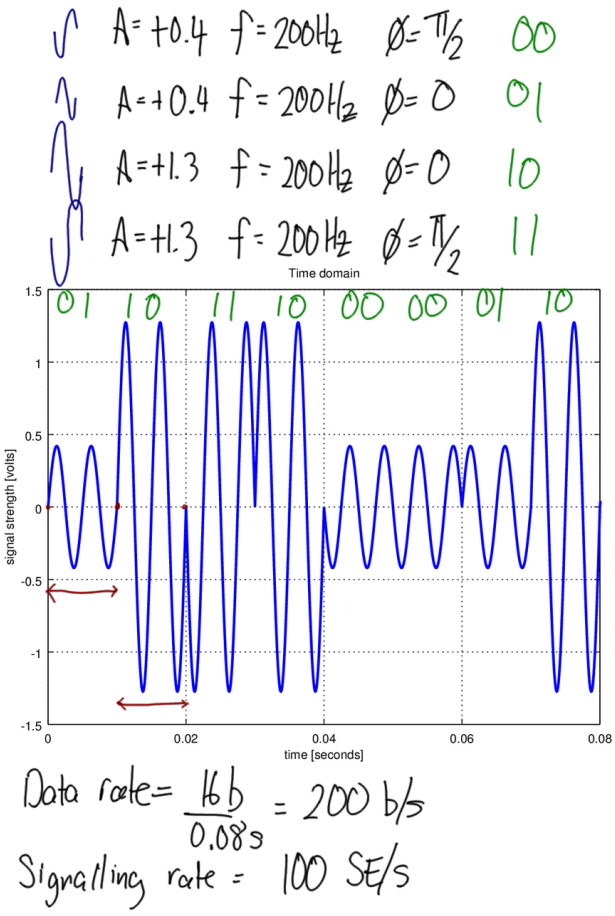

Figure 7: Digital Data as Analog Signal 4; Lecture 03

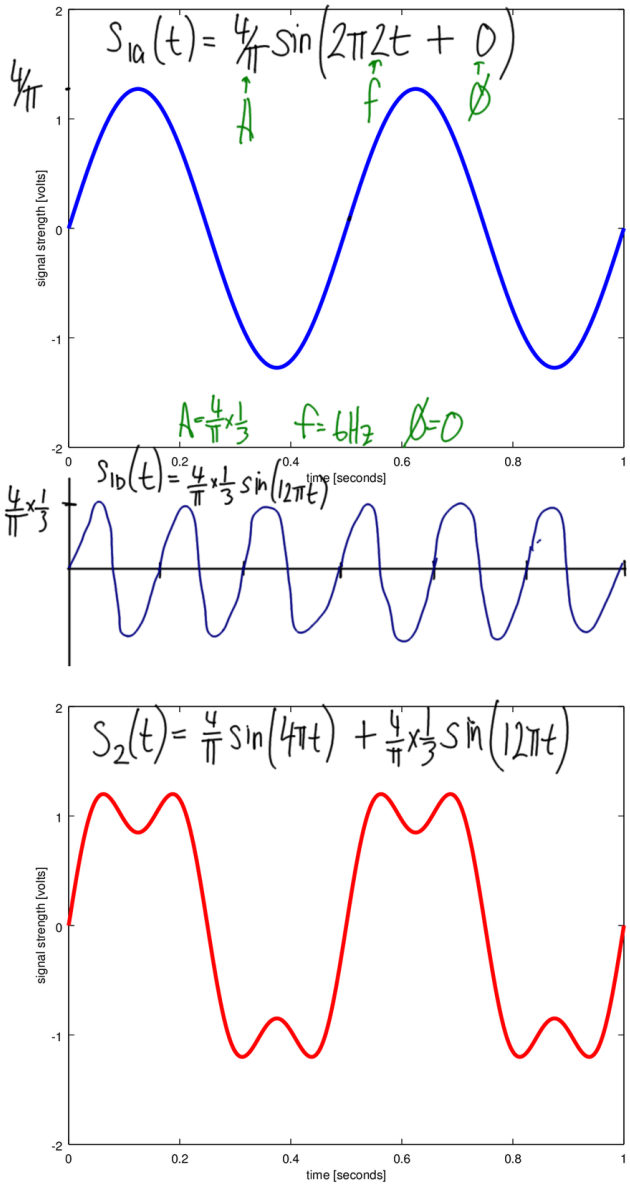

Figure 8: Signal 2 composed of Sine 1a and 1b; Lecture 03

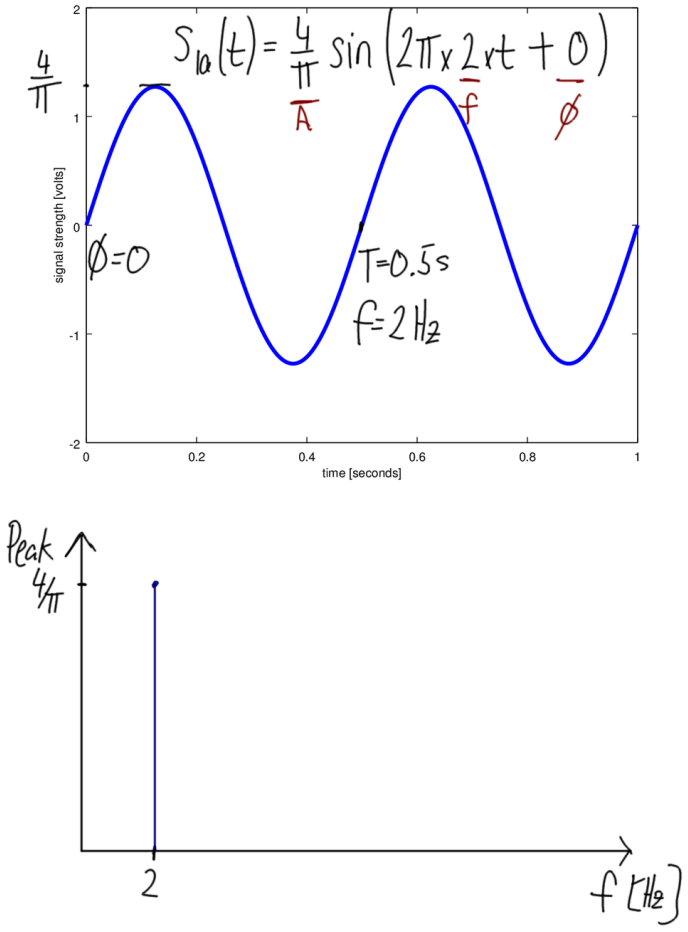

Figure 9: Signal 1a in Time and Frequency Domain; Lecture 04

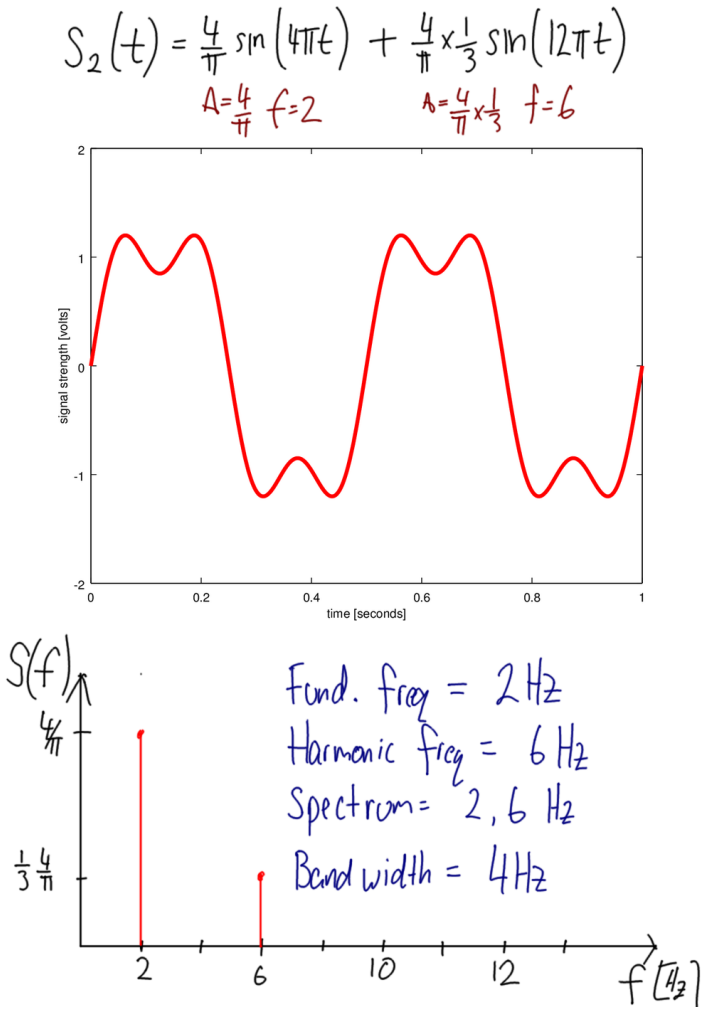

Figure 10: Signal 2 in Time and Frequency Domain; Lecture 04

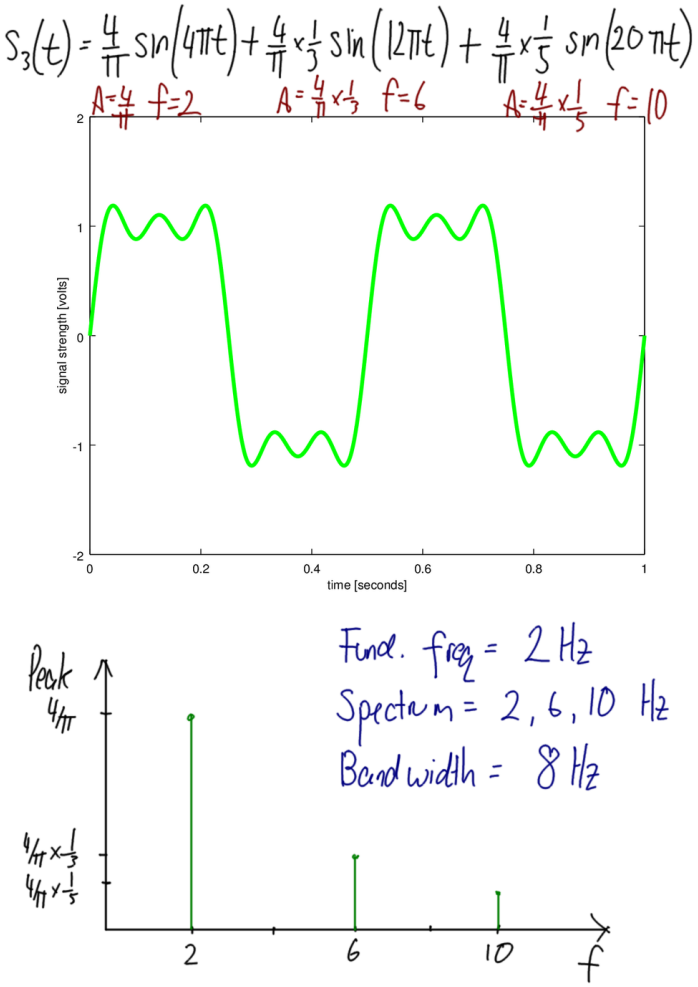

Figure 11: Signal 3 in Time and Frequency Domain; Lecture 04

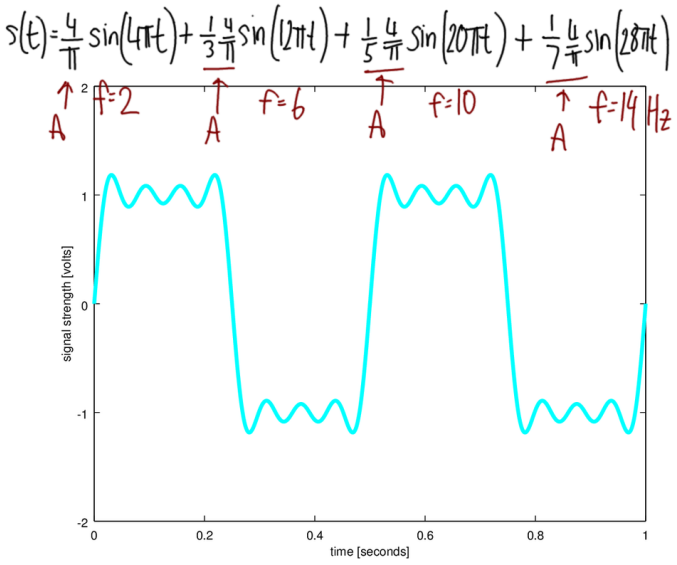

Figure 12: Signal 4 in Time Domain; Lecture 04

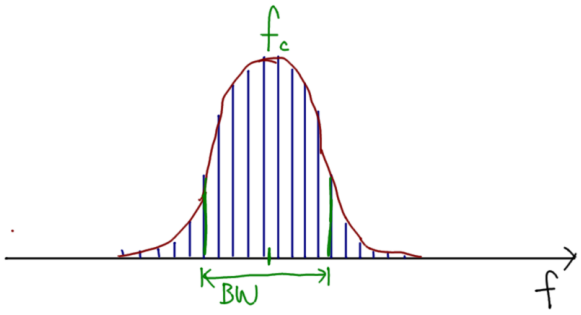

Figure 13: Example of Practical Signal Bandwidth; Lecture 04

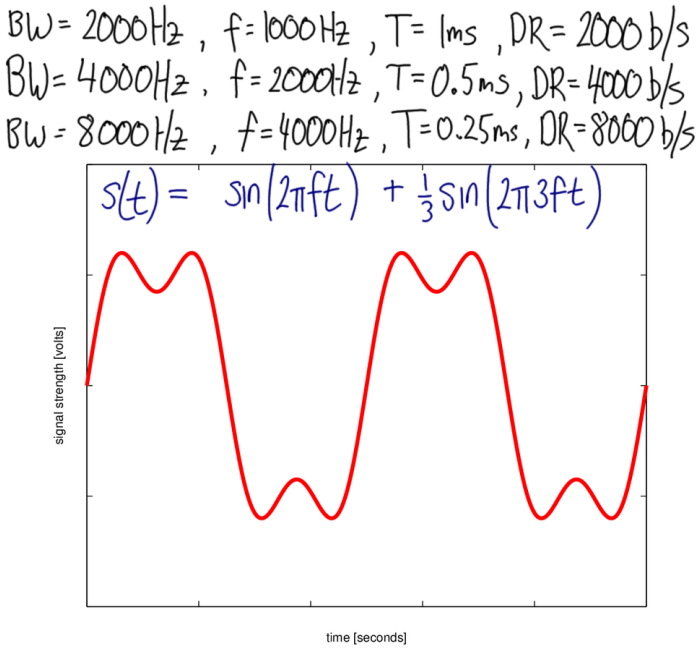

Figure 14: Tradeoff between Bandwidth and Data Rate; Lecture 05

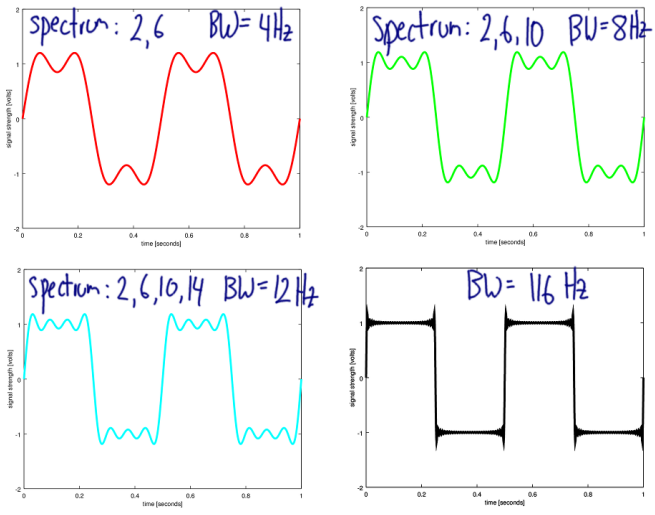

Figure 15: Tradeoff between Bandwidth and Errors; Lecture 05

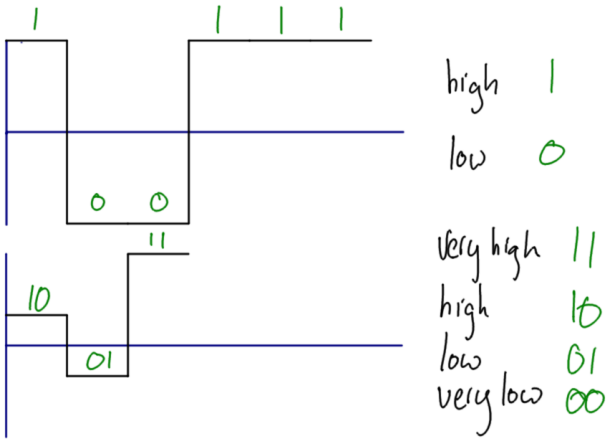

Figure 16: Tradeoff between Levels and Errors; Lecture 05

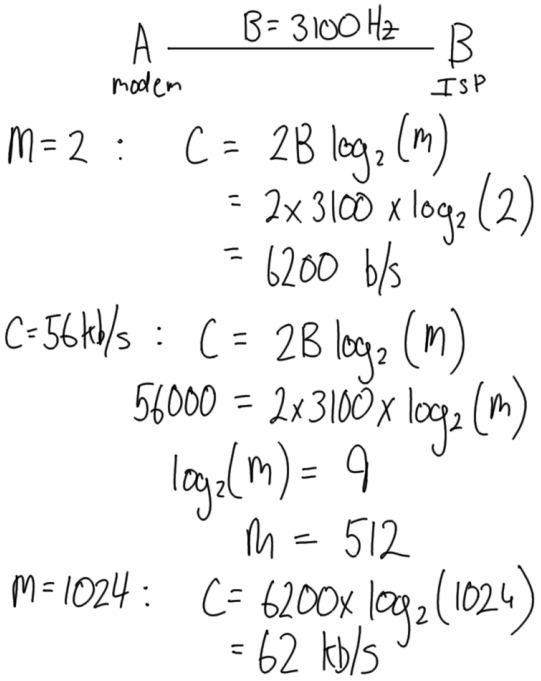

Figure 17: Nyquist Capacity Example; Lecture 05

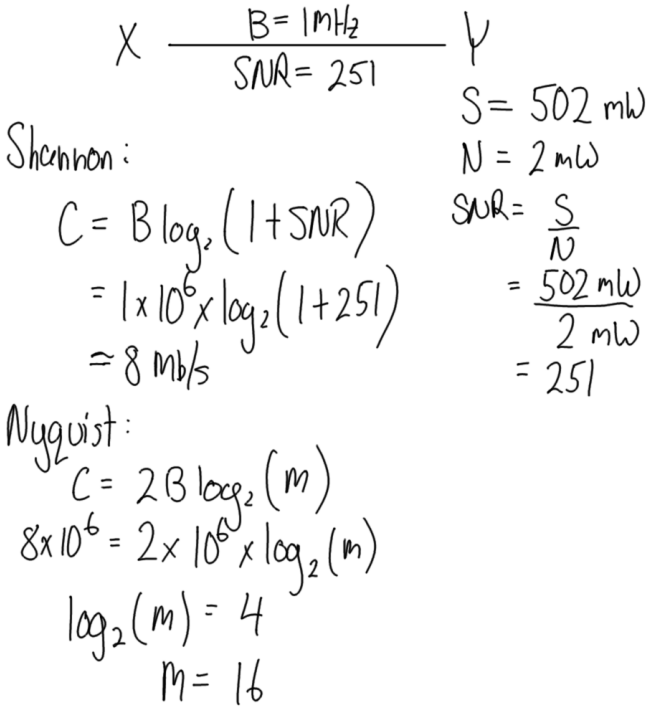

Figure 18: Shannon Capacity Example; Lecture 05