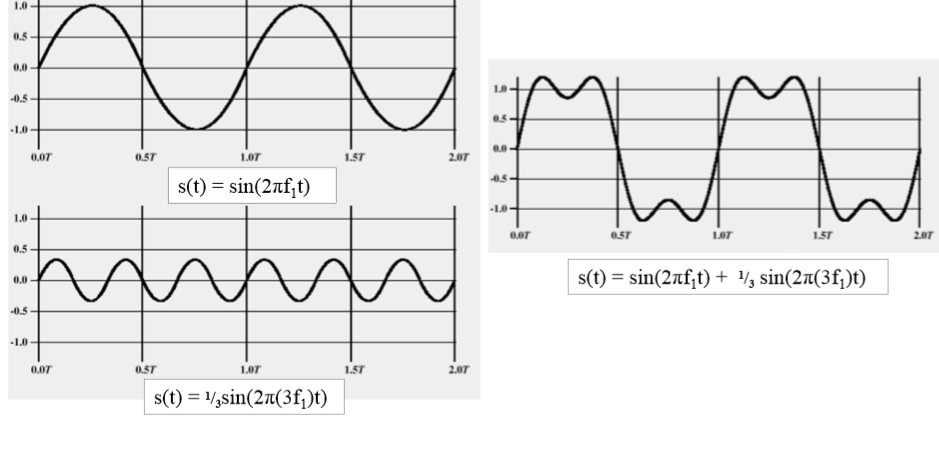


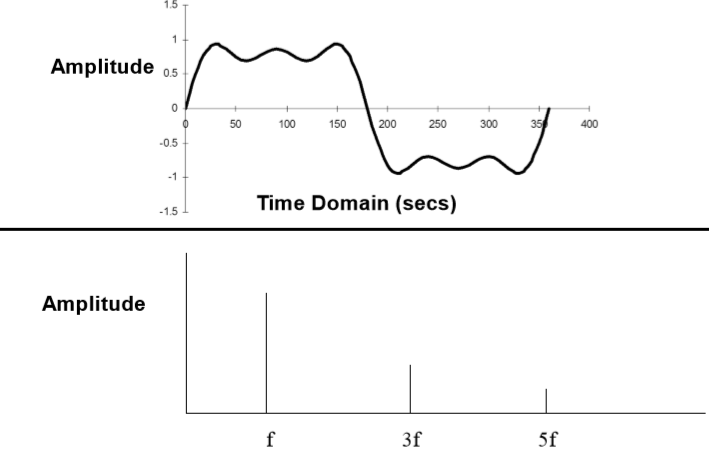
The first wave is okay to send out due to the characteristics of its bandwidth, which has a limit. The second wave has an infinite bandwidth, which means every other signal alongside it will be sucked into its signal.

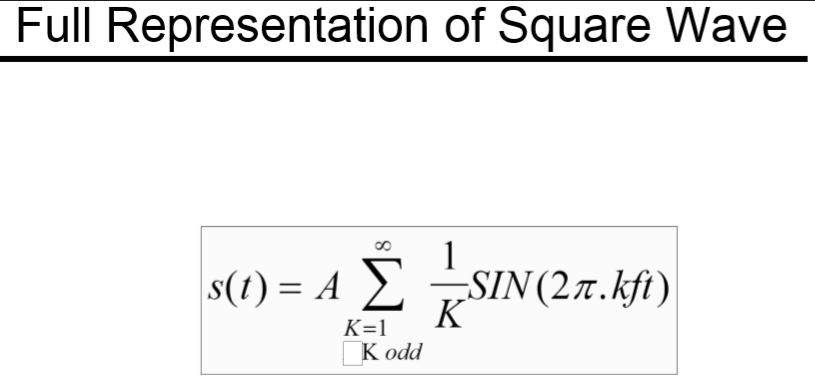
The general equation applies:

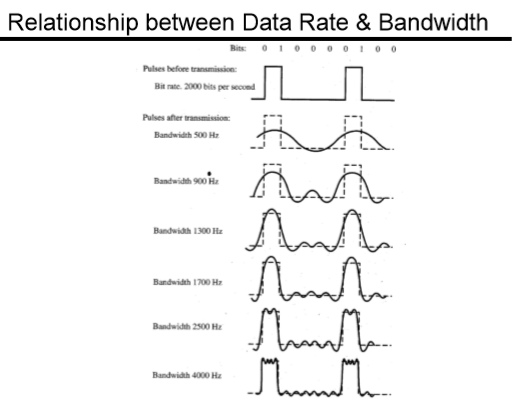
S(t) = A sin(2pie.ft + Ø )

Where: – Amplitude ( A ) is the peak value of the waveform – Frequency ( f ) is the number of repetitions per sec. Measured in Hertz (Hz.). Inverse of the period – Phase ( Ø ) is a measure of the relative position within a cycle of a signal. Measured in degrees or radians



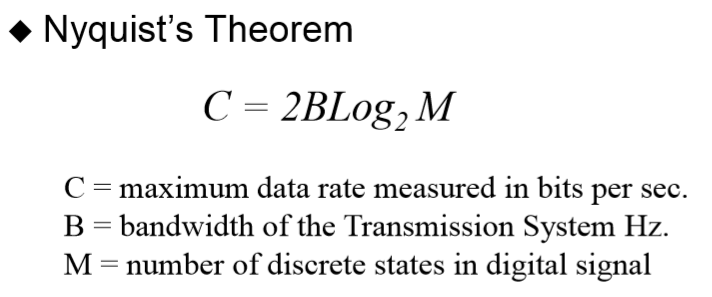


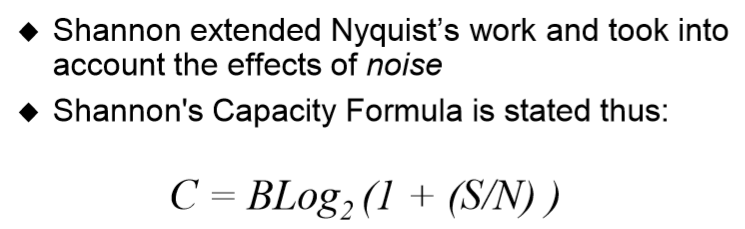


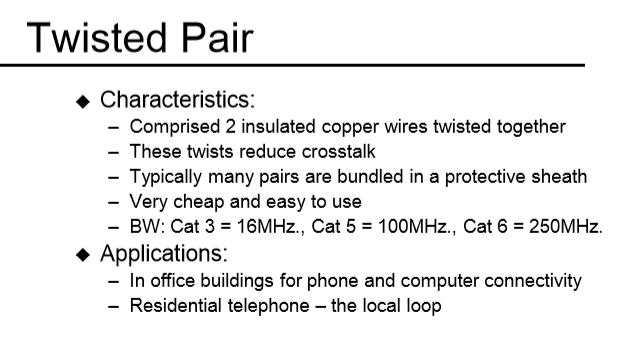


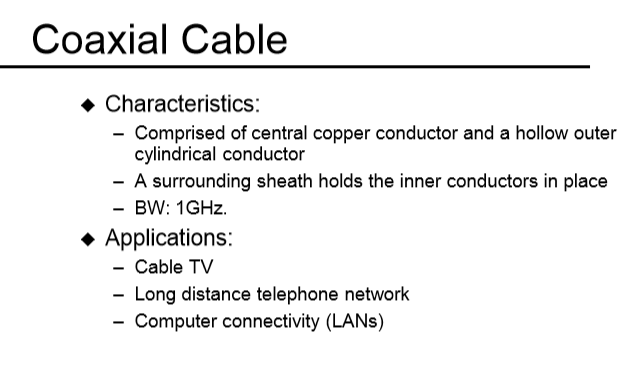
Attenuation – where the signal becomes weaker over distance

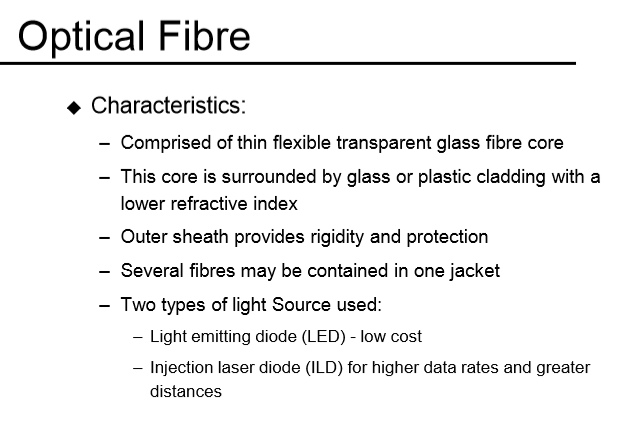
Noise is the insertion of unwanted signals onto the transmission signal

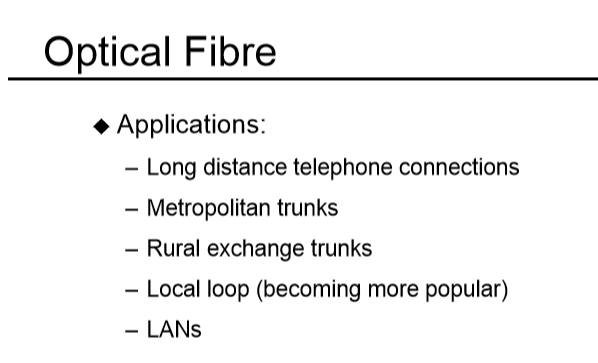






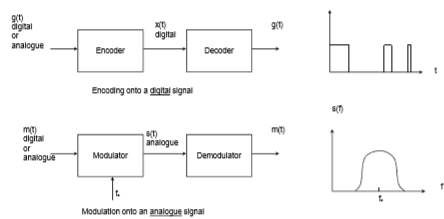


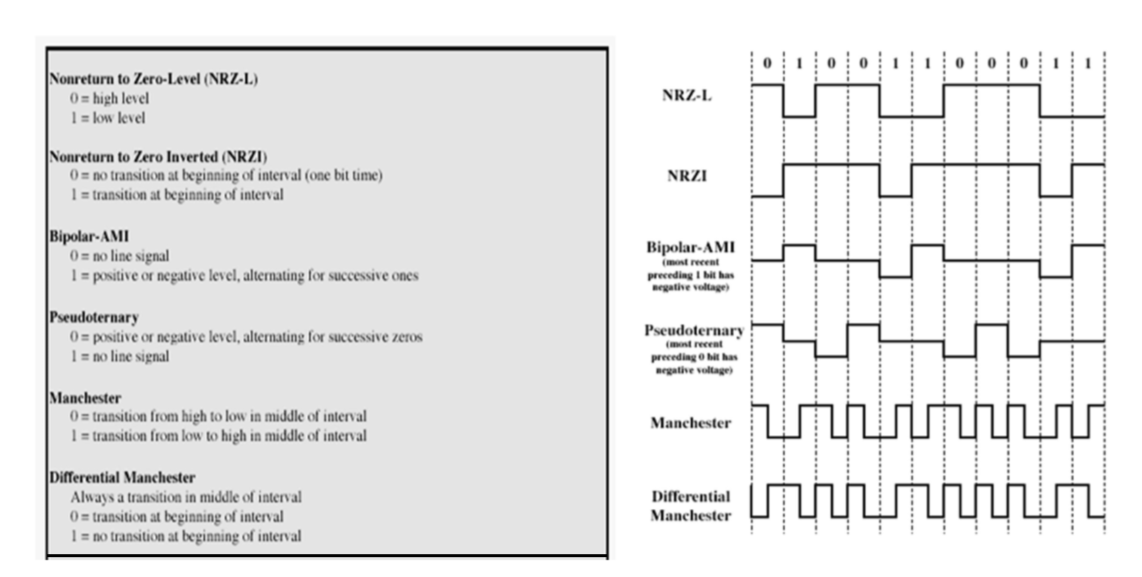


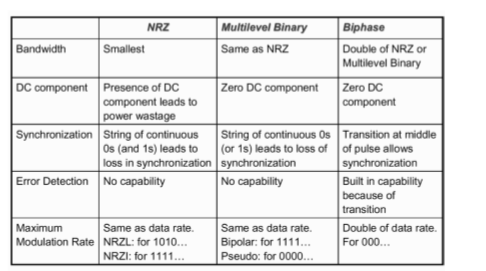


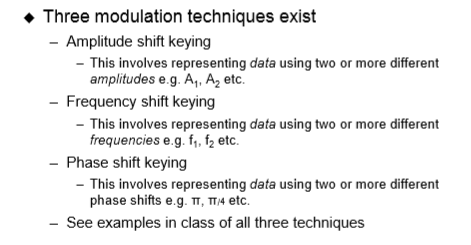
CODECS are used for digital signals

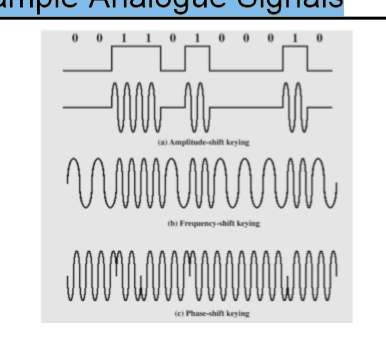
Modems are for analogue signals

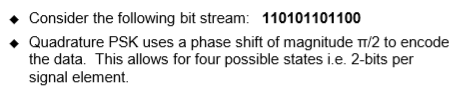


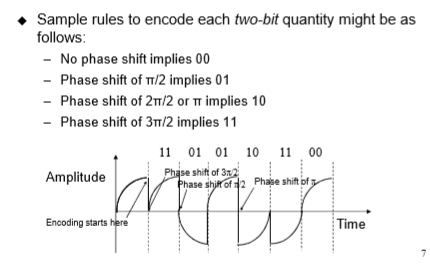


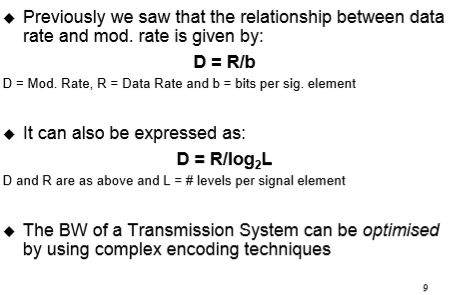


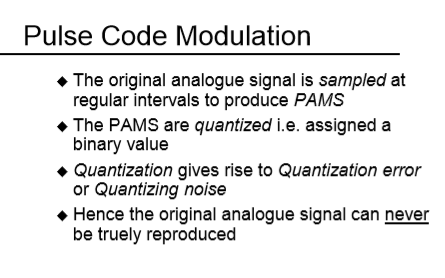


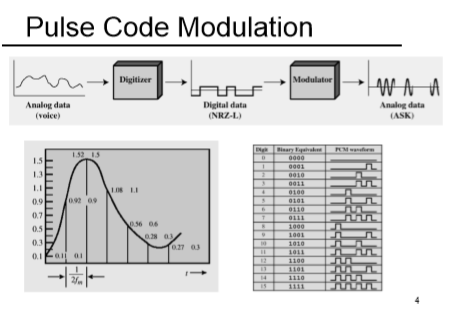


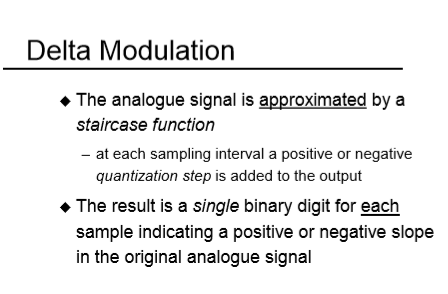


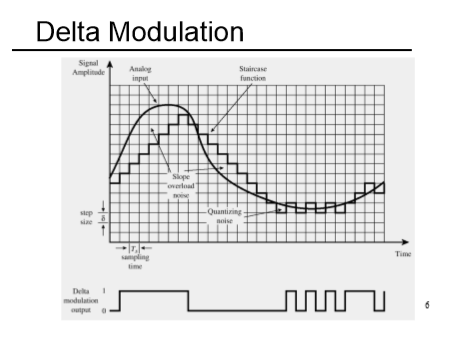


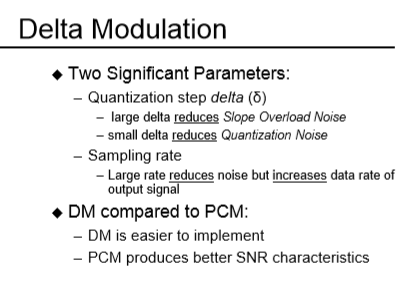


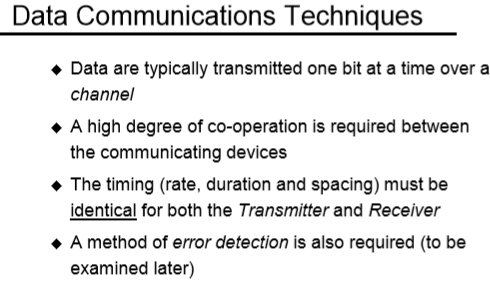


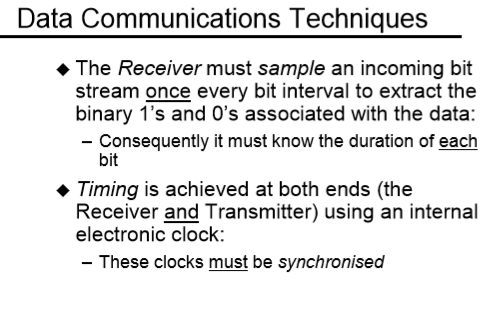


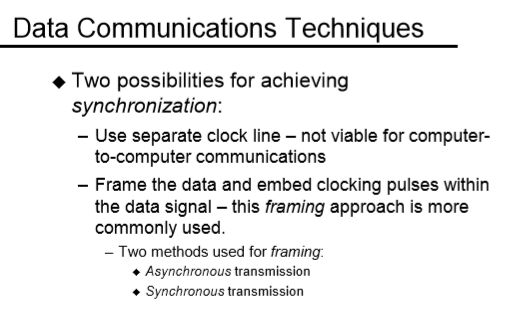


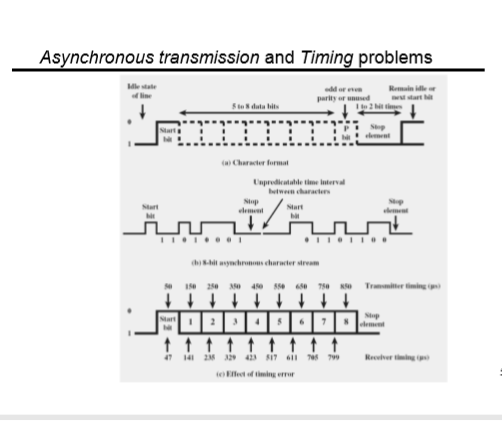


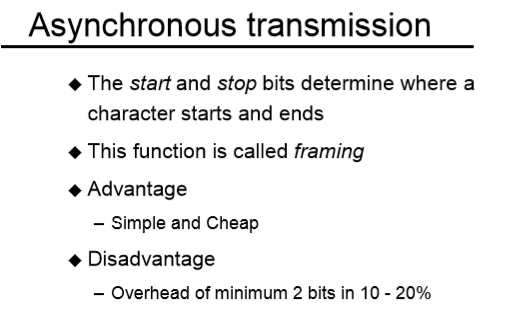


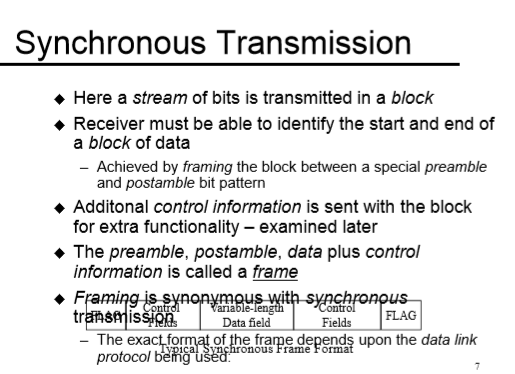


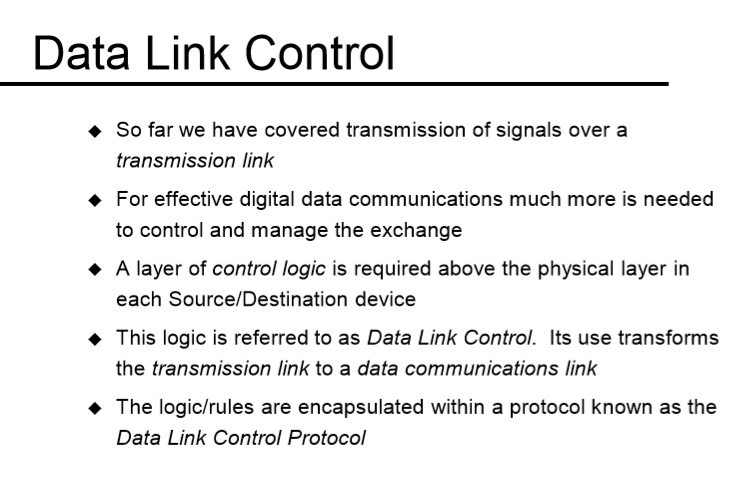


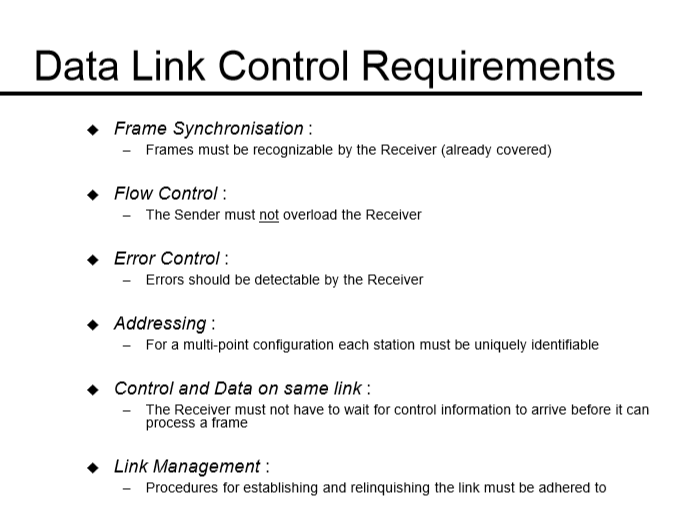


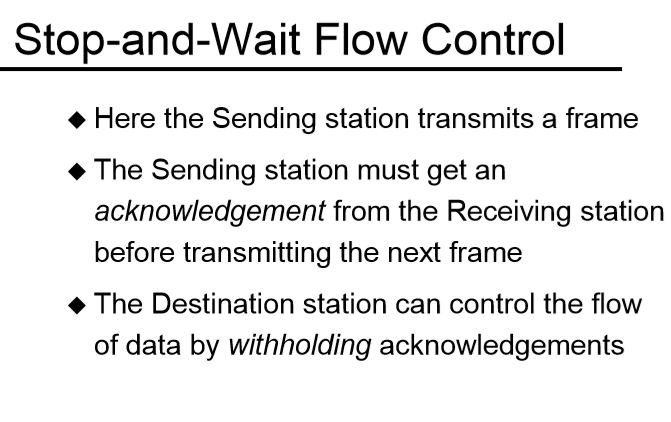


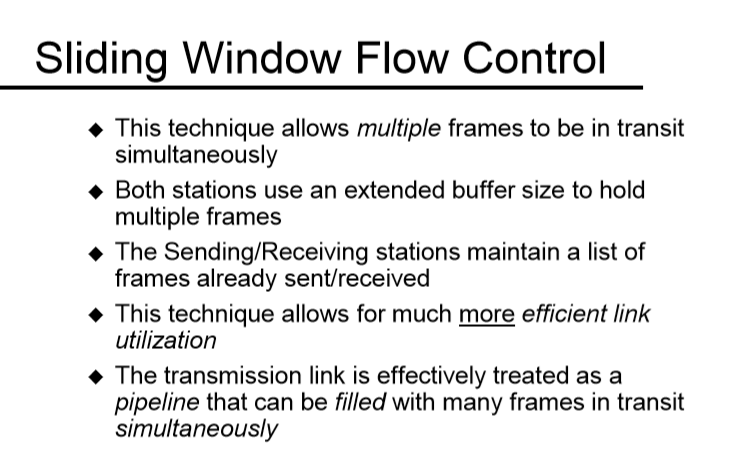


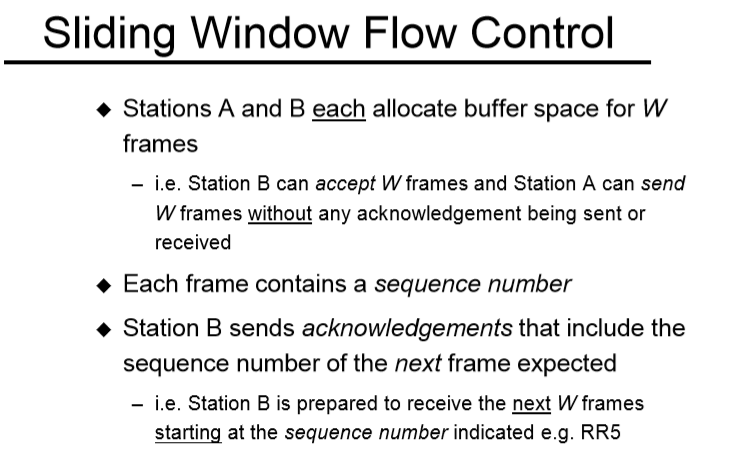


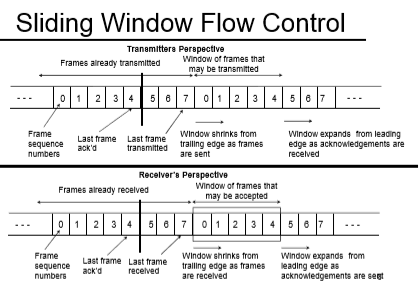


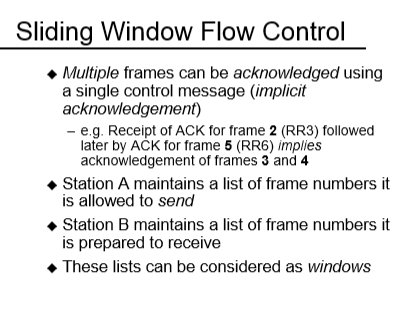


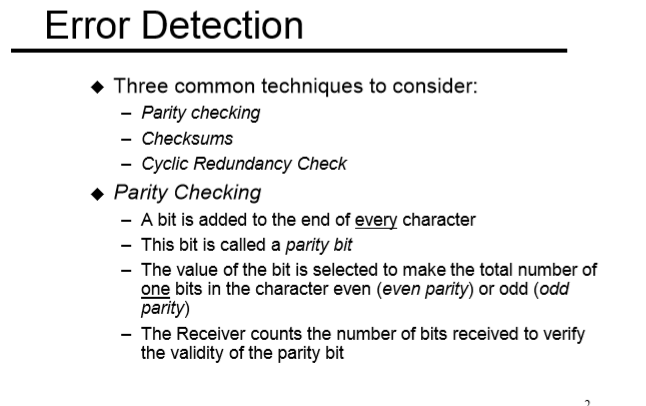


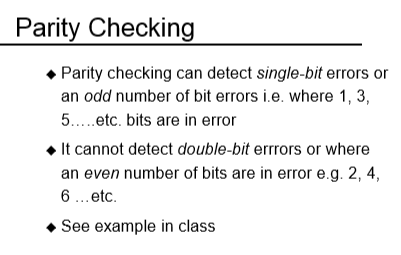


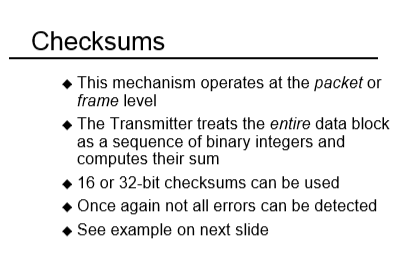


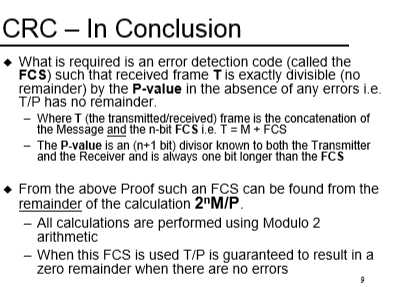
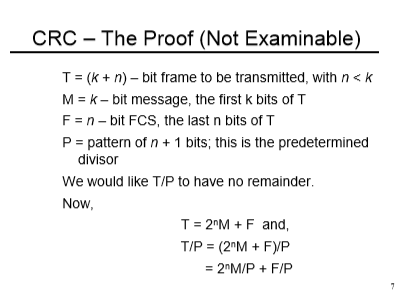


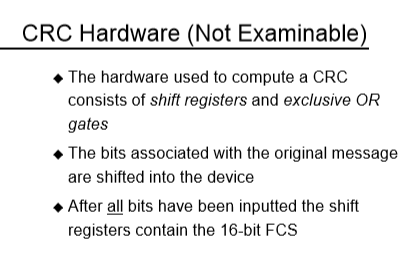


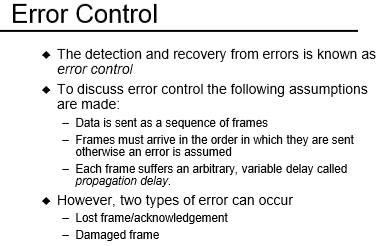


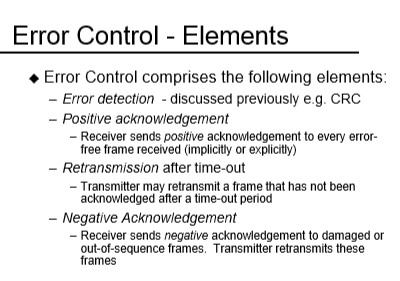












Password for data com: cc1718