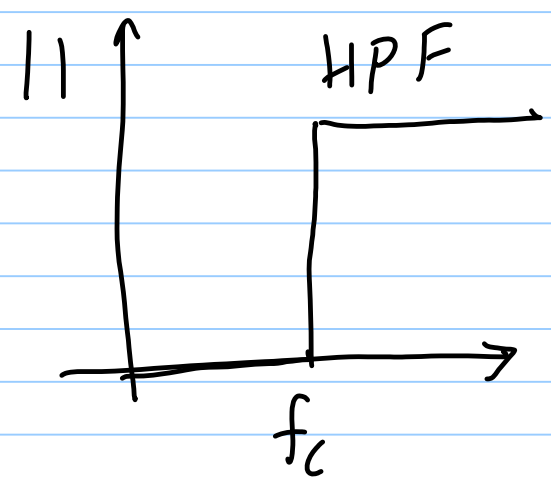
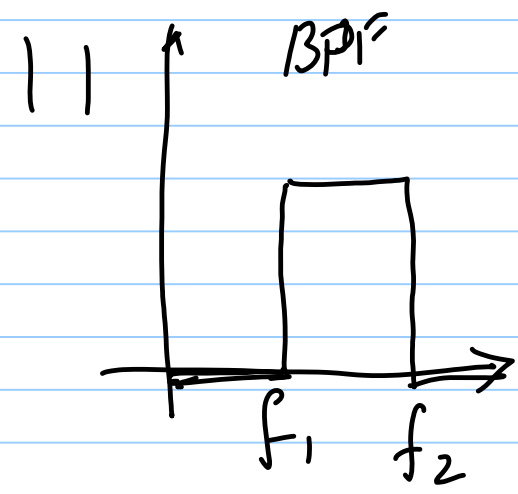
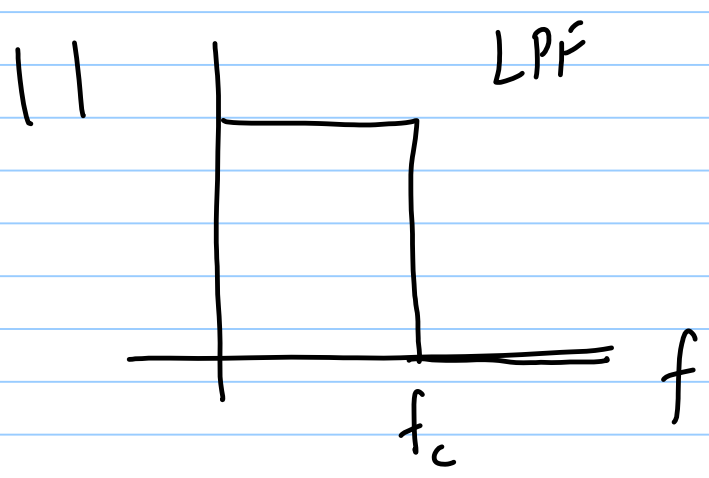
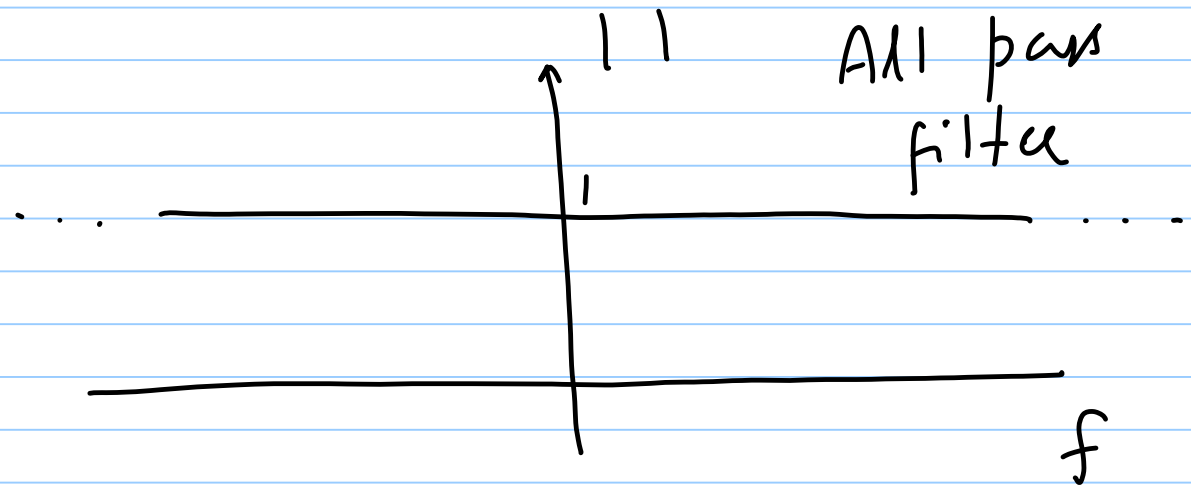
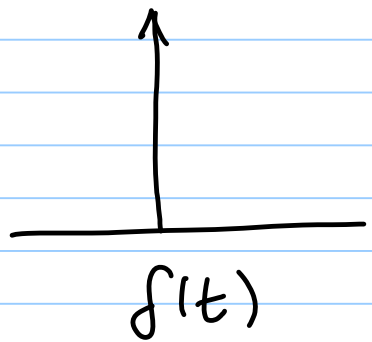
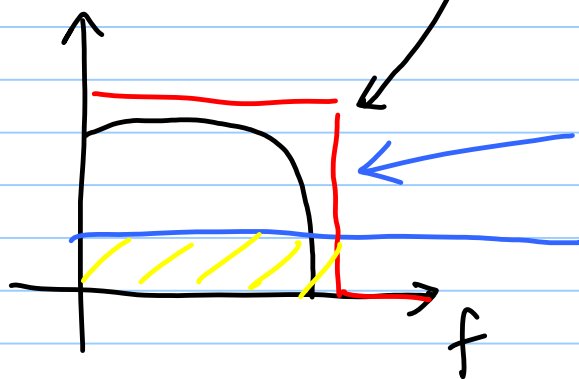
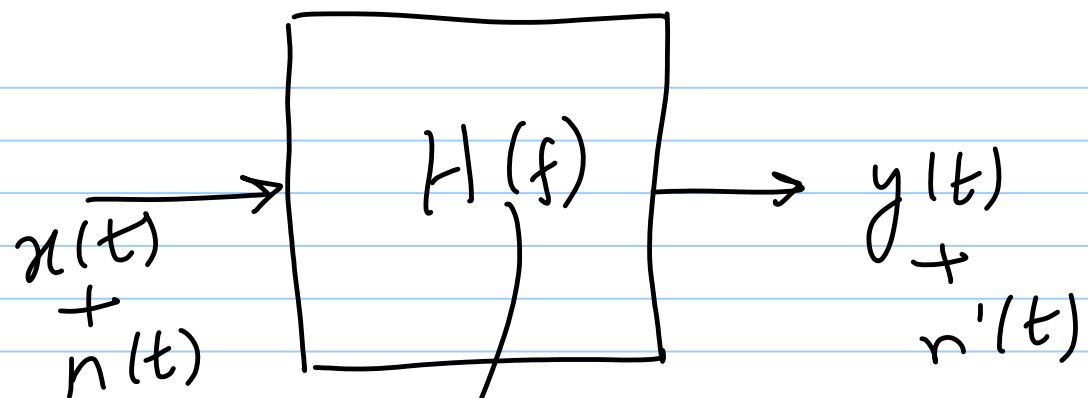


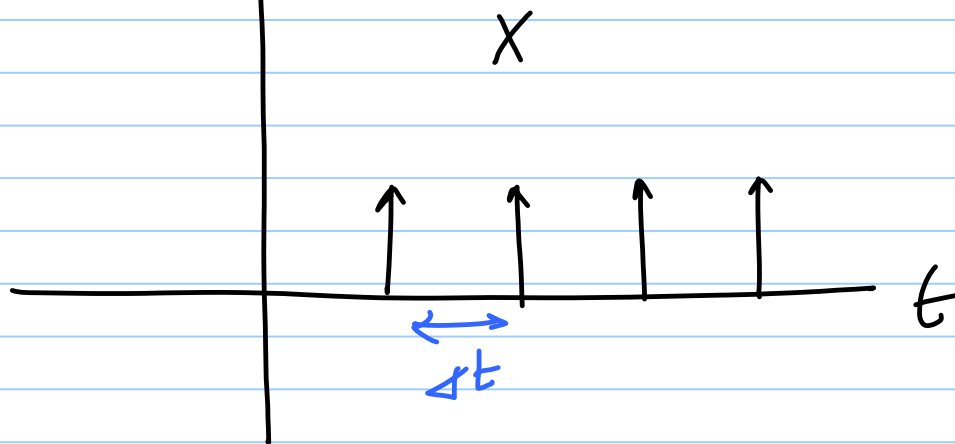
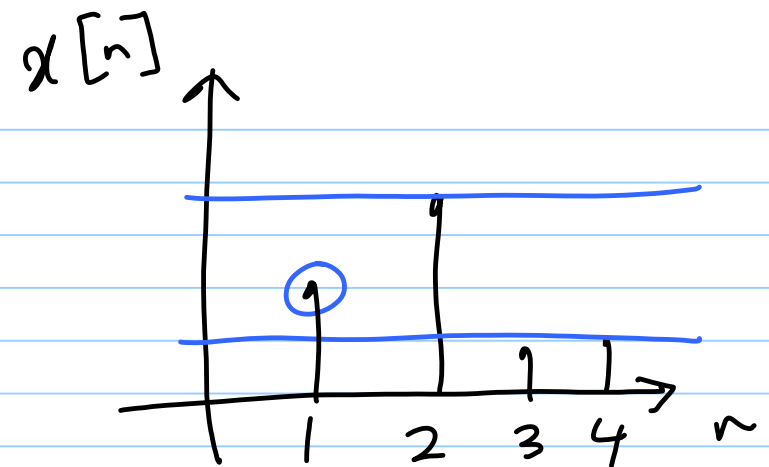
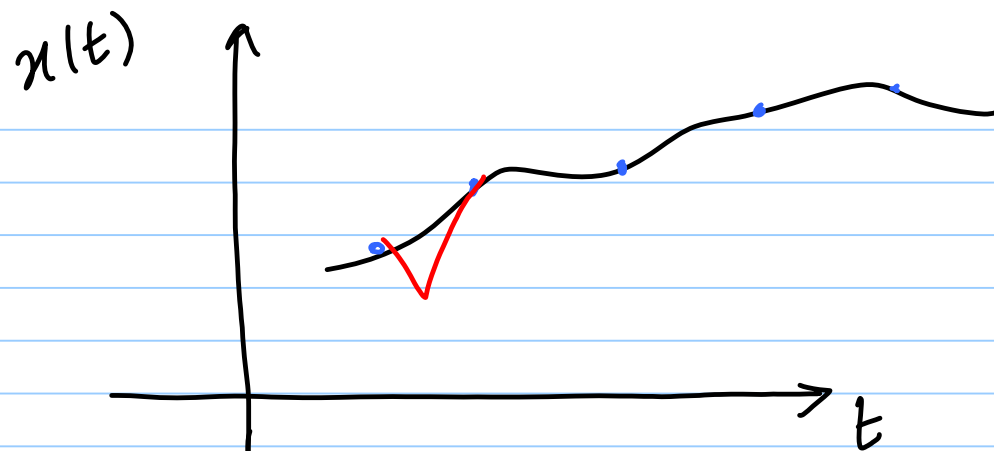
14/03/2019

Lecture 27

Filters



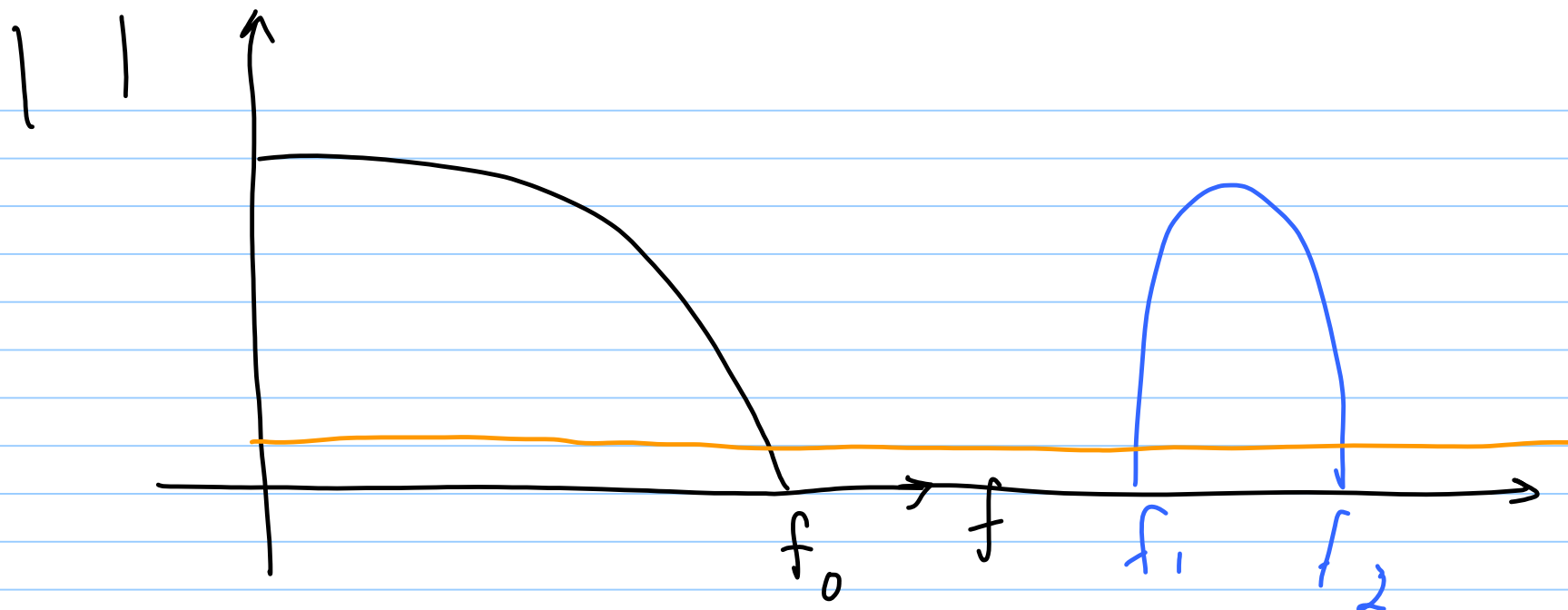




ADC

quant. $\left\{ \begin{array}{l} \rightarrow \text{Discrete time} \\ \rightarrow \text{quantization} \end{array} \right.$

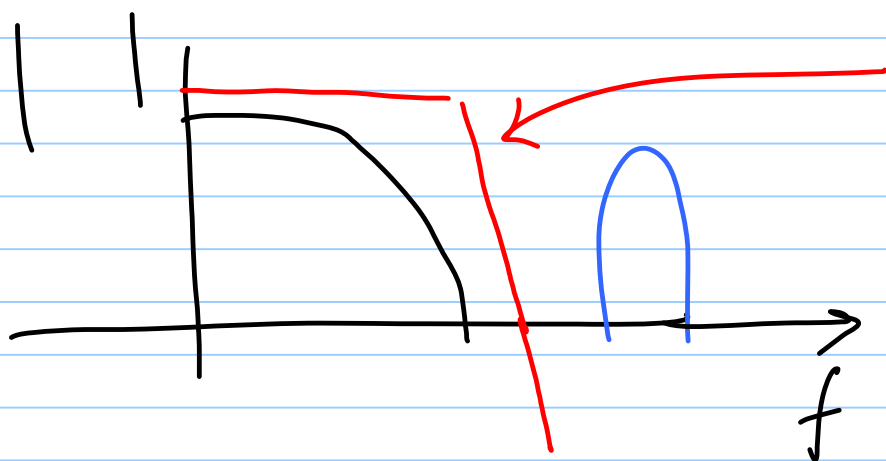
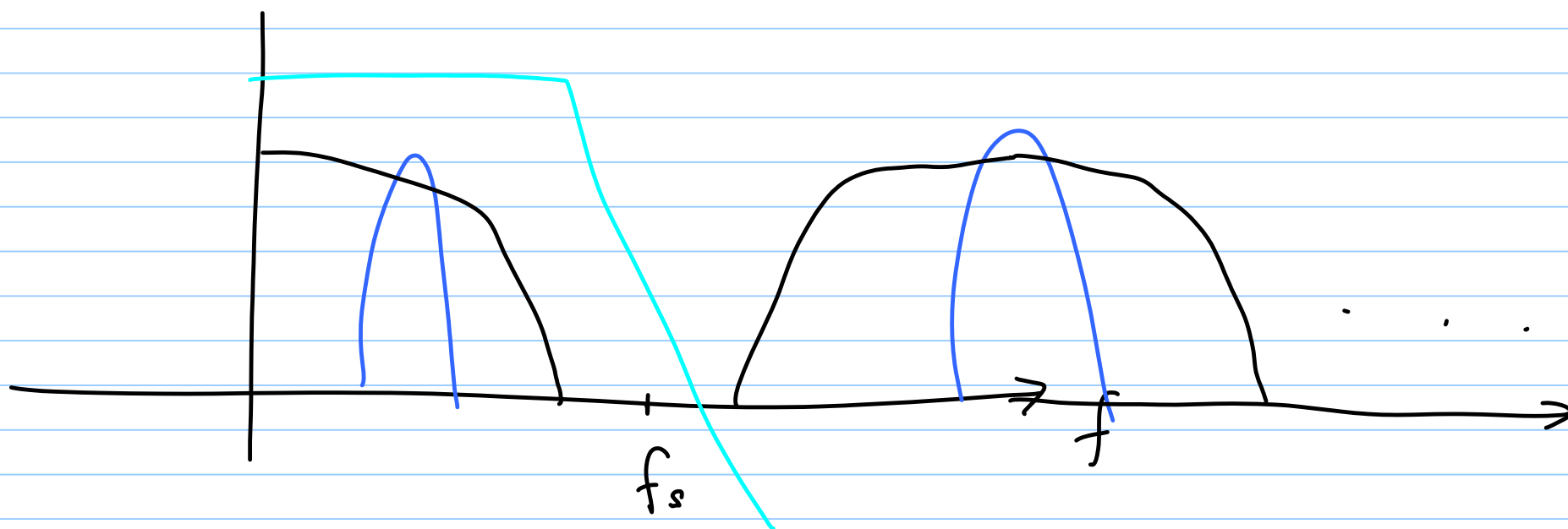
f



$$f_s \geq 2 f_0$$

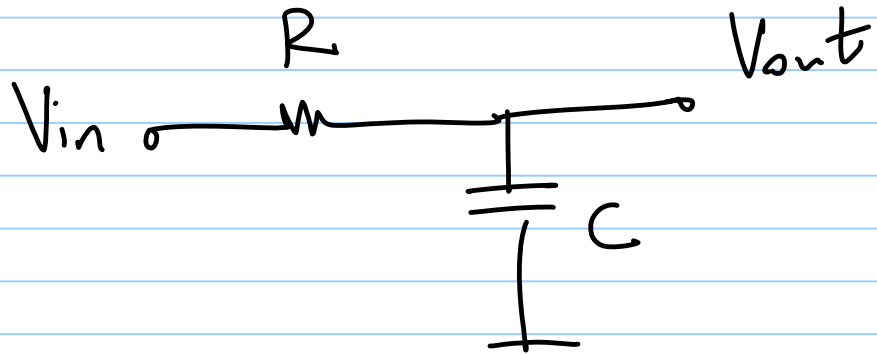
Nyquist rate

otherwise "aliasing"



anti-aliasing filter

LPF



$$H(s) = \frac{1}{1 + sCR}$$

