

## EE432 In-class exercise-11/02/11

Example 9.10-modified. Design an FIR BPF for a system with the following specifications. Your final answer will be the equation for the impulse response of the filter,  $h[n]$ .

Center frequency of filter: 4 kHz

Pass band edges at: 3.5 kHz and 4.5 kHz

Transition widths: 500 Hz

Stop band attenuation: 80 dB

Sample frequency: 22 kHz

