The frequency response of a certain base-band audio communication channel is shown in Figure 1 (asymptotic response). Design an equalization filter that can be used to correct any distortion caused by transmitting base-band audio through this channel.

Your circuit should use practical components (no ideal op amps) and practical component values (no 10 F caps or 1 mΩ resistors).

Turn in a copy of your schematic and a plot of the frequency response of your filter (plot both the measured response of your filter and the desired theoretical response over a range from 1 Hz to 100 KHz). All results should be included in a brief technical report that must be written using word processing software (no handwritten graphs or equations). Your report should include Objectives, Design, Simulation, Results, and Conclusions sections.