

21M.380 · MUSIC AND TECHNOLOGY
RECORDING TECHNIQUES & AUDIO PRODUCTION

READING ASSIGNMENT 6 (RD06)
FILTERS & EQS

DUE: MONDAY, OCTOBER 3, 2016, 9:30AM
SUBMIT TO: MIT LEARNING MODULES ▶ ASSIGNMENTS
0.5% OF TOTAL GRADE

1 Materials to study

Senior, Mike (2011). "Equalizing for a reason." In: *Mixing Secrets for the Small Studio*. 1st ed. Focal Press. Chap. 11, pp. 171–90. ISBN: 978-0240815800. MIT LIBRARY: 002092991. Electronic resource. Accompanying information and sound examples: <http://www.cambridge-mt.com/ms-ch11.htm>.

2 Questions to respond to

1. What is *equalizing*, and how does it relate to the psychoacoustic concept of *masking* that we have learned about earlier in the course?
2. What is meant by the term *high-pass filter* that Mike Senior mentions. By contrast, what are *low-pass* and *bandpass* filters?
3. Mike Senior discusses the following filter types: *shelving*, *peak*, *notch*. How are they different from each other?
4. What is the relationship between individual filters and a full EQ (like you will find it in the channel strips of your DAW)? You might have to do some research beyond this article for the answer.

3 Guidelines

- Your answers need not be very extensive (a short paragraph per question is enough), but they should demonstrate that you have actually read the article and understood its main points.
- Be concise and pay attention to form, grammar, and spelling.

MIT OpenCourseWare
<https://ocw.mit.edu/>

21M.380 Music and Technology: Recording Techniques and Audio Production
Fall 2016

For information about citing these materials or our Terms of Use, visit: <https://ocw.mit.edu/terms>.