

21M.380 MUSIC AND TECHNOLOGY  
SOUND DESIGN

READING ASSIGNMENT 6 (RD6)  
DIGITAL AUDIO

DUE: MONDAY, MARCH 7, 2016, NOON  
SUBMIT TO: MIT LEARNING MODULES ▶ ASSIGNMENTS  
0.5% OF TOTAL GRADE

## 1 Materials to study

Farnell, Andy (2010). "Digital signals." In: *Designing Sound*. Cambridge, MA and London: MIT Press. Chap. 7, pp. 119–44. ISBN: 978-0-262-01441-0. MIT LIBRARY: [001782567](#). Hardcopy and electronic resource.

## 2 Questions to respond to

1. What is the *sample rate* of a digital audio signal, and how does it relate to the signal's perceived sound quality?
2. What is the *bit depth* of a digital audio signal, and how does it relate to the signal's perceived sound quality?

## 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.
- Try to be concise and pay attention to form, grammar, spelling, etc.

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