Chapter 11

**THE AUDITORY BRAIN AND SOUND LOCALIZATION**

Assignment 1

This may be assigned in class or as homework:

Trace the auditory pathways from the cochlea through the various stages of processing in the brain.

Assignment 2

If you have students with some technical facility, this assignment might prove interesting:

Create a monaural sound file—that is, only one track of sound. It may be any sound you want, e.g., music or speech. Then use a program to create a stereo sound file with one track for each ear. (The open-source [Audacity](http://audacity.sourceforge.net/) audio editor is a good free program for this task.) Create the tracks to illustrate the role of either interaural time difference or interaural loudness difference in changing the perceived direction of a sound. Be prepared to present in class.