Neurobiology of Speech Perception
NPB165, Fall 2010

Open to non-majors. TR 1:40-3:00pm CRN: 72314
Instructor: Lee M. Miller <leemiller@ucdavis.edu>

DESCRIPTION
Lecture – 3 units. Interdisciplinary approach to speech perception. Emphasis on functional neuroanatomy and behavior. Topics include:

* intelligibility in noisy environments
* sign language and audiovisual integration of speech
* evolution of vocal communication
* development, brain damage, and neural plasticity
* ventriloquism and other illusions
* automatic speech recognition
* models of speech perception
* hearing loss and hearing devices

IS THIS COURSE RIGHT FOR YOU?
Probably! Speech is the most important everyday stimulus for human beings. If you’ve ever wondered how our brains manage to understand it, this course is for you. We approach speech from a multidisciplinary perspective, so it doesn’t matter if your background is in neuroscience, psychology, linguistics, or engineering – all of these are good preparation. NPB165 also fulfills the elective requirement for the NPB Neuroscience minor. Check out some course demos and more info at the following link. If you think the demos are interesting, you’ll enjoy the class.

http://mindbrain.ucdavis.edu/labs/Miller/courses/npb-165-neurobiology-of-speech-perception/

PREREQUISITES and ENROLLING
Prerequisites are NPB101 or NPB100, OR Consent of Instructor so those of you with different backgrounds can participate. If you try to enroll but the course is full during Pass 1, please get on the waitlist as soon as you can during Pass 2. We try very hard to accommodate everyone on the waitlist. Please contact me with any questions <leemiller@ucdavis.edu>. 