

# Neurobiology of Hearing 2011

MEDS 5377

University of Connecticut Health Center

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DAY	DATE	TOPIC	LECTURER
		Mon-Thurs 12-14 (12pm-2pm)	
		<b>Week 1</b>	
MON	5/23/2011	Course Introduction	Oliver
MON		Auditory pathway overview	Malmierca
TUES	5/24/2011	Sound and Cochlear Function	Fuchs
TUES		Hair cell mechanotransduction	Fuchs
WED	5/25/2011	Afferent synaptic signaling	Fuchs
WED		Efferent inhibition of the cochlea	Fuchs
THURS	5/26/2011	Neuroanatomical Methods	Saldana
THURS		Physiology Methods	Oliver
		<b>Week 2</b>	
MON	5/30/2011	Acousticomotor reflexes	Lopez
MON		Eight nerve, root nucleus	Lopez
TUES	5/31/2011	Cochlear nucleus / nerve	May
TUES		Cochlear nucleus	May
WED	6/1/2011	Cochlear nucleus	May
WED		Cochlear nucleus	May
THURS	6/2/2011	SOC anatomy	Oliver
THURS		Lateral Lemniscus*	Merchan*
		<b>Week 3</b>	
MON	6/6/2011	Binaural Physiology*	Palmer*
MON	6/6/2011	Frequency selectivity, masking and the critical band	Lopez-Poveda
TUES	6/7/2011	Frequency selectivity, masking and the critical band	Lopez-Poveda
TUES		The perception of loudness	Lopez-Poveda
WED	6/8/2011	Psychophysical methods	Trahiotis
WED		Auditory Signals: Specification and measurement	Trahiotis
THURS	6/9/2011	Binaural Hearing	Trahiotis
THURS		Binaural Hearing	Trahiotis
		<b>Week 4</b>	
MON	6/13/2011	HOLIDAY	

MON			
TUES	6/14/2011	Inferior colliculus anatomy	Oliver
TUES		Current Research on Biologically Inspired Speech Processors for Auditory Prostheses	Lopez-Poveda
WED	6/15/2011	IC Physiology	Escabi
WED		IC Physiology	Escabi
THURS	6/16/2011	IC Physiology	Escabi
THURS		IC Physiology	Escabi
FRI	6/17/2011	Medial geniculate body	Malmierca
FRI		Stimulus specific adaptation	Malmierca
		<b>Week 5</b>	
MON	6/20/2011	Descending pathways	Saldana
MON		TLC	Saldana
TUES	6/21/2011	Auditory Cortex	Read
TUES		Auditory Cortex	Read
WED	6/22/2011	Auditory Cortex	Read
WED		Auditory Cortex	Read
THURS	6/23/2011	Student presentations or exam	
THURS		Student presentations or exam	
FRI	6/24/2011	FAREWELL	

\*Revised 5/6/11