

CommSci 234 Hearing Science
WF 8.40 - 10:40

Office Hours Posted
Materials Posted on Blackboard

107 Ritter Hall
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Purpose of the Course: To introduce the student to the concepts of sound and acoustics.
To introduce the student to the anatomy and physiology of the hearing mechanism.
To introduce the student to the concepts of auditory perception.
To introduce the student to the concepts of abnormal hearing.

Knowledge and Skills statements are appended to this syllabus.

Textbook: Fundamentals of Hearing: An Introduction, 5th Edition, William A. Yost,
Academic Press: San Diego, 2007. ISBN # 10: 0-12-370473-1

Grading Policy:

A = 93 - 100	C = 73 - 76
A- = 90 - 92	C- = 70 - 72
B+ = 87 - 89	D+ = 67 - 69
B- = 80 - 82	D = 63 - 66
C+ = 77 - 79	D- = 60 - 62

Grades will be based on the average of four equally weighted examinations.

Students with special learning problems are invited to take advantage of the Disability Resources and Services Center, 100 Ritter Hall Annex 215-204-1280

All other policies of the university regarding attendance in Temple classes are to be upheld.

Tentative Class Topic Schedule

8/29 Chapter 1 The world we hear.
8/31 Chapter 2 Sinusoids, The Basic Sound
Students Assigned....
9/5 Chapter 3 Sound Transmission
Students Assigned....
9/7 Chapter 4 Complex Stimuli
Students Assigned
9/12 Chapter 5 Sound Analysis
WEINSTEIN, DAN AND MARINA SHRAYBMAN
9/14 Lab activities
9/19 Review of Part I the Auditory Stimulus
9/21 QUIZ 1 Chapters 1 – 5.
9/26 Chapter 6 The outer and middle ears
PHILLIPS, AMBER

9/28 Free day I will be out of town at a conference.

10/3 Chapter 7 Structure of the inner ear and its mechanical response
VERBIT, LINDA

10/5 Chapter 8 Peripheral Auditory system and hair cells
KESSLER, HOLLY, RICKARD, JAMIE, MOONEY, LAUREN

10/7 Chapter 9 The Neural Response and Auditory Code
Students Assigned....

10/12 Review of chapters 9 – 9

10/17 **QUIZ 2 Chapters 6 – 9**

10/19 Chapter 10 Auditory Sensitivity
Students Assigned....

10/24 Chapter 11 Masking
Students Assigned....

10/26 Chapter 12, Sound localization and Binaural Hearing
Students Assigned....

10/31 Chapter 13 Loudness and Pitch
GUERRERO, MARY, JAMES, TANIA, GROWE, KENDAL

11/2 Lab Activities

11/7 Review of Chapters 10 - 13

11/9 Quiz 3 Chapters 10 - 13

11/14 Chapter 14, Auditory Perception and sound source determination
HILL, LEE

11/16 Chapter 15 The Central Auditory Nervous System
WAWRZYNIAK, PAIGE, RINALDI, KIMBERLY

11/28 Chapter 16 The Abnormal Auditory System
MAY, LAUREN, MCDONALD, STACY

11/30 Chapter 16 continued

12/5 Lab Activities.

12/7 Review of Chapters 14 – 16.

12/10 Final Quiz. Have a Happy Winter Break.

**Communication Sciences 234
Basic Hearing Science**

Knowledge and Skills Acquisition Checklist

Student: _____ **Date:** _____

Instructor: _____

Standard	Knowledge and Skill met
111 – B	The student demonstrated knowledge by discussion and examination of the basic human communication process of hearing, including the biological, neurological, acoustic and developmental bases.
111 – C	The student demonstrated knowledge by discussion and examination of the anatomical/physiological, acoustic impact of hearing on speech and language