

SYLLABUS: COMD 7380 ADVANCED AUDIOLOGY

Meets: Wednesdays 9 AM to 10:10 AM

Instructor

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Learning Objectives (IDEA Course Evaluation) At the end of the semester students will be able to:

1. Describe the physical properties involved in the measurement of acoustic immittance, develop higher level thinking skills, involving the ability to analyze, synthesize, and evaluate information and understand the basis for older site of lesion tests in audiology. [**Gaining factual knowledge (IDEA course evaluation)**]
2. Perform a comprehensive behavioral audiometric evaluation and perform an otoscopic evaluation of the ear and also perform cerumen management successfully [**Learning to apply course materials (IDEA course evaluation)**]

Required Text Book/Readings None – Readings will be assigned by the instructor

Course Fee: No course fee

Expectations Emphasizes immittance test battery and the basic behavioral audiological test battery. Tests for assessment of functional hearing loss are also included. Sensitivity and specificity of auditory tests are treated. Test results related to auditory disease process. Special auditory testing for site of lesion in the conductive, sensory, neural, and central auditory systems will be covered. Grading based on exams and class participation.

Competencies: American Speech-Language-Hearing Association Knowledge and Skills Assessment (KASA)

In this course each student will be provided with an opportunity to demonstrate required knowledge and/or skill development. These knowledge and skills will be assessed as delineated in the syllabus (by examination, paper, presentation, project, etc.). ASHA has specified that in order to be competent, you must achieve a level of 80% or better on each KASA item. These KASA competencies apply specifically to students in the doctor of audiology program. If the student does not attain this level in this course, he/she will be provided with ONE additional opportunity (in the current class) to demonstrate this knowledge or skill. If the student does not pass the competency a second time, no action will be taken if another opportunity (course or clinic) remains available in which the skill can be acquired. However, if no such opportunity is available, the student will be asked to complete an exam/demonstration of the knowledge and/or skill as defined by the department. For students failing to attain the set criteria on a required competency assessment, the department head is not able to sign the KASA form required for ASHA certification, even though the student may receive an acceptable course/clinic grade or exceed the minimum GPA. Learner Objectives: Following successful completion of this course, students will have demonstrated content knowledge and skill competency in the following areas:

Evaluation/Grading/

Course Outcomes The student will:	Related Assessment	KASA Professional Standards (ASHA)	IDEA objective #
Develop higher level thinking skills, involving the ability to analyze, synthesize, and evaluate information	Two exams, presentations on readings, final exam,	A1, A11-13, F2	1, 2

Describe the physical properties involved in the measurement of acoustic immittance	Performance in classroom discussions and activities; first exam; Final exam	A1, A24, C7	1, 2
Perform an otoscopic evaluation of the ear and also perform cerumen management successfully	Performance in classroom activities, first exam, final exam	C4	2
Perform a comprehensive behavioral audiometric evaluation	Performance in classroom discussions and activities; 2-4 practical assignments, second exam, final exam	A11-13, A24, B1-2, C2-5, C7, C9,	2

Competencies:

- A1. Embryology and development of the auditory and vestibular systems, anatomy and physiology, neuroanatomy and neurophysiology, and pathophysiology.
A11-13. Principles, methods, and applications of psychometrics, psychoacoustics, instrumentation and bioelectric hazards.
A24. The use of instrumentation according to manufacturer’s specifications and recommendations.
B1. Implement activities that prevent and identify dysfunction in hearing and communication, balance, and other auditory-related systems.
B2. Promote hearing wellness, as well as the prevention of hearing loss and protection of hearing function by designing, implementing, and coordinating universal newborn hearing screening, school screening, community hearing, and occupational conservation and identification programs.
C2. Assessing individuals with suspected disorders of hearing, communication, balance, and related systems.
C3. Evaluating information from appropriate sources and obtaining a case history to facilitate assessment planning.
C4. Performing otoscopy for appropriate audiological assessment/management decisions, determining the need for cerumen removal, and providing a basis for medical referral.
C5. Conducting and interpreting behavioral and/or electrophysiologic methods to assess hearing thresholds and auditory neural function
C7. Conducting and interpreting otoacoustic emissions and acoustic immittance (reflexes).
C9. Evaluating functional use of hearing.
F2. Applying research findings in the provision of patient care (evidence-based practice).

Points for course: Each exam will be worth 100 points (200 possible). Each classroom activity will be worth 50 points (5 for 250 points possible). 450 points possible in the course.

Grading Scale

A = 93-100	B+ = 87-89	C+ = 77-79	D = 60-69	F = <60%
A- = 90-92	B = 83-86	C = 73-76		
	B- = 80-82	C- = 70-72		