

Hearing and Speech Department
AUD 817 Pediatric Audiology
Spring 2012
(3 credit hours)

Time: Lecture: Wednesdays, 1:00-3:50PM

Place: Lecture: H. C. Miller Building, 4th Floor Conference Room

Instructor: Tiffany A. Johnson, Ph.D., CCC-A
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Office Hours: *after* class or by appointment

Course Description (KU Graduate School catalog)

Normal and pathologic development of the auditory system; pediatric audiometric testing; auditory and communication aspects in the habilitation of hearing-impaired children.

Course Objectives/Learner Outcomes

In this course, information from previous (or concurrent) courses, particularly Diagnostic Audiology, Psychoacoustics, and Auditory Evoked Potentials, will be applied to children. One purpose is to equip audiology students for evaluation of hearing in children of all ages. Another purpose is to prepare students to make appropriate referrals for evaluations by other disciplines, treatment and/or educational management.

ASHA Certification Standards

Students enrolled in this course will acquire knowledge and skills associated with the following ASHA standards for certification in Audiology: B2, B4, B5, B7, B8, B10, B16, B17, B20; C1, C2, C3, C4, C5; D1, D2, D3, D4, D5, D6, D7, D8, D11, D12, D13, D15, D16; E3, E14

Course Format

The format of the class will include traditional lecture format and participatory discussion. The course is web enhanced by use of Angel, an on-line course management tool. Angel URL:
<https://elearning.kumc.edu/angel>

Course Materials

1. Seewald, R. and Tharpe, A.M. (2011). Comprehensive Handbook of Pediatric Audiology. San Diego: Plural Publishing, Inc.
2. Additional required readings will be assigned during the semester. These will be available electronically through Angel. You will need Adobe Acrobat Reader to access these files.

Assignments

1. *Summary of Classic & Supplemental Articles*
2. *Practice Assignments*
3. *Putting it All Together Written Report*
4. *Putting it All Together Case Presentation*

Disability Statement

Learning assistance, academic performance enhancement, and psychological services at KUMC are free, confidential, and available at Student Counseling & Educational Support Services by calling 913-588-6580 or visit G116 Student Center.

Any student in this course who needs an accommodation because of a disability in order to complete this course should contact the instructor and the Equal Opportunity/Disability Specialist (913-588-7813, TDD 913-588-7963) as soon as possible.

Any student who does not understand and/or accept the contents and terms of this syllabus must notify the instructor in writing within one week after receiving this syllabus.

Grading

Grades will be based on points earned on the following:

Summary of Classic & Supplemental Articles	10%
Practice Assignments	15%
Putting it All Together Written Report	10%
Putting it All Together Case Presentation	5%
Midterm Exam	25%
Final Exam	<u>35%</u>
Total	100%

The final grade for the course will be based on the following:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
<60%	F

These grade boundaries may be adjusted slightly depending on the distribution of final scores.

AUD 817 Spring 2012 Tentative Topic Outline and Schedule

Date	Topic	Readings
1/18	Introduction to Course & Pediatric Audiology	
1/25	Embryology & Development of the Auditory System	Text, chapters 1 & 2
2/1	Development of Auditory Behavior Epidemiology of Childhood Hearing Loss & Hearing Disorders in Children	Text, chapters 3 & 4 Bess & Gravel Section I Intro. Classic & Supplemental Articles Text, chapter 5
2/8	Importance of Early Identification Early Identification of Hearing Loss	Yoshinaga-Itano et al. (1998) & Moeller (2000). White, KR (Ch. 4 in Madell & Flexer text) Note: use Ch. 16 in text as supplement Bess & Gravel Section IV Intro.
2/15	Early Identification of Hearing Loss (cont.)	Norton et al. (2000) Text, chapter 17 Classic & Supplemental Articles
2/22	Audiologic Assessment: Behavioral Audiometry	Text, chapter 22 & 23 Bess & Gravel Section II Intro Classic & Supplemental Articles (Behav)
2/29	Audiologic Assessment: Behavioral Audiometry (cont.) Speech Audiometry	Text, chapter 36 Madell, J (Ch. 10 in Madell & Flexer text) Classic & Supplemental Articles (Speech)
3/7	Midterm Exam	

3/14	Audiologic Assessment: Immittance Audiometry & Otoacoustic Emissions	Text, chapter 18 & 19 Bess & Gravel Section III Intro Classic & Supplemental Articles (Acoustic Immittance & OAEs)
3./21	Spring Break	
3/28	Audiologic Assessment: Auditory Evoked Potentials	Text, chapter 20 Gorga, MP et al. (1989) Classic & Supplemental Articles
4/4	Audiologic Assessment: Auditory Evoked Potentials (cont.) Putting it All Together (Ped Case Assignment) Working with Families	Text, chapter 24 Young & Tattersall (2005)
4/11	Audiologic Management: Introduction to Pediatric Amplification	Text, chapter 25
4/18	Mild and Unilateral Hearing Loss	Text, chapter 11 Bess & Gravel Section V Intro. Classic & Supplemental Articles
4/25	Educational Audiology & Screening and Assessment in Educational Audiology	Text, chapter 41 & 17
5/2	Putting it All Together Presentations Summary and Wrap-up	
5/9	Final Exam	