



SPPA458-001

Aural Rehabilitation

Fall 2017

BULLETIN COURSE DISCRPTION

A conceptual approach to the rehabilitation of the hearing-impaired. Methods of management which optimize the use of residual hearing with amplification or other assistive devices are considered for patients from birth to geriatric.

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Assistant Professor of Audiology



Department of Speech-Language Pathology & Audiology

COURSE: SPPA 458 Aural Rehabilitation
3 Semester Credits
Fall 2017 M,W,F 8:30-9:20 a.m. BH 183

INSTRUCTOR: Darah J. Regal, AuD., CCC-A
Assistant Professor of Audiology
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REQUIRED TEXTBOOK: Tye-Murray, Nancy, (2015) Foundations of Aural Rehabilitation. 4th Edition, Delmar Cengage Learning, Clifton Park, NY.

For ISBN and price information, please see the listing at the Andrews University Bookstore www.andrews.edu/bookstore

COURSE DESCRIPTION: A conceptual approach to the rehabilitation of the hearing impaired. A study of rehabilitative procedures including total communication, auditory training, hearing aid considerations and communication strategies for the hearing impaired from birth to geriatric.

COURSE HOUR DESCRIPTION: This course is offered for three credits; therefore, it is expected that you will spend three hours per credit (nine hours) per week on this class, every week, during the 15 week semester. There will typically be two one hour and fifteen minute classes per week. The remaining time will be completed outside the classroom. The remaining six and one-half hours should be used for reading the textbook, completing projects, studying/reviewing notes for quizzes and exams. Consistent efficient and effective studying every day, except Sabbath, will be very beneficial.

COURSE OBJECTIVES: At the conclusion of this course students will show proficiency in their ability to:

1. Explain given audiological findings:
 - a. The type and degree of hearing loss and its' effects on communicative function.
 - b. The psycho-social implication of the hearing impairment and
 - c. Measures that may be taken to achieve optimum communication.
2. Explain the basic operation, care and maintenance of a hearing aid and cochlear implant.
3. Plan and implement a basic aural rehabilitation therapy session for a hearing impaired individual based on audiological findings and case history information.

This course meets the following Audiology KASA standards:

Standard IV-A: Foundations of Practice – A3, A4, A5, A6, A7, A9, A10, A15, A16, A17, A19, A20, A21, A22, A23-c & d, A26, A27



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Standard IV-C: Assessment – C10

Standard IV-D: Intervention (Treatment) – D2-a, d, D5

Standard IV-E: Advocacy/Consultation – E1

COURSE REQUIREMENTS:

1. **Class Attendance:** Record will be taken during the first five minutes of class. Promptness is vitally important to the continuity of class discussion. Three tardies will be considered as one absence. If you find you will be unable to attend class, it is important that you notify the teacher **PRIOR TO THE CLASS** to make arrangements for making up the work and obtaining handout material. Three absences will be allowed (excused or unexcused). Absences beyond that will jeopardize your final grade 2% per day missed after the third day. Prolonged illness with physician explanation will be dealt with individually.

Quizzes missed due to an excused absence will be prorated. Tests missed due to an excused absence may be made up within three days after the absence with a physician's note verifying the illness and recommended time frame for recovery.

2. **Quizzes:** There will be a quiz or quizzes every week except when there is an exam that week. The quiz will be given in the first few minutes of class and may or may not be announced prior to class.
3. **Examination:** There will be a total of four examinations; three during the semester and the final. Each will be worth 75-150 points.
4. **Practical Assignments:**

A. You will wear ear plugs for a **consecutive** 18 hour period, the remaining 6 hours must be at night when sleeping. They must be worn during **all** waking hours during the 24 hour period. Turn in a written, one- to two page type-written summary of impressions, feelings, and reactions from others. You must wear the earplugs for at least one meal with friends, to one class lecture (not an exam), and for at least one phone **conversation** (not text) to anyone you choose without increasing the volume of the phone. In addition you must call a store and ask for information about a product you would like to purchase. This must be at least a 10 minute phone conversation where you are asking questions and gaining information. **DO NOT** drive a vehicle during this time, make arrangements to carpool or have someone bring you to campus. Make arrangements for alarm clocks so you are present to appointments on time. Be prepared to share your experience with the class. (15 points)

B. You will create an aural rehabilitation plan for a patient:

1. You will be given an audiogram and short case history for a patient who needs aural rehabilitation.
2. Develop an aural rehabilitation plan for your patient including short and long term goals. Develop 1 complete therapy session including age appropriate materials, sequence of ideas to complete during the session



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and how the session will be modified to accommodate the hearing loss of the patient.

C. Compare and Contrast the following hearing aid companies: Oticon, Starkey, Resound and a company of your choice. (1) Create a chart and display/rate the strengths and weaknesses of each website using a Likert scale (1 being the best to 4 the lowest) for **each** of the following content areas: consumer friendliness/usefulness, professional usefulness and overall appeal. (2) **Defend/explain/discuss** your rating system based on your experience while using/reading/searching each website. Make sure the writing section is complete, concise and accurate. (3) If you had to wear a hearing aid, choose a specific style, model and company and explain why you made the choice. (40)

D. Compare and contrast the three cochlear implant companies (Med El, Cochlear and Advanced Bionics) and their products. If you had to pick an implant for yourself, which specific one would you want. Explain the advantages/disadvantages to the implant you chose. Include a bibliography and at least one peer reviewed article researched in making your decision. If you had to pick an implant for your child, which specific one would you choose and why? Defend your answer. Read and include information in your paper from at least one peer-reviewed article on cochlear implants. Include all references in a bibliography. (30 points)

E. Observe the hearing impaired program at Berrien County Schools (for at least one hour). You need to observe children with hearing aids and children with cochlear implants. A sign-up sheet will be provided by the school for possible observation dates. Turn in a 1-2 page typed paper on your observations at the hearing impaired program. (20 points)

F. Periodically, chapter summaries, aural rehabilitation plans and suggestions will be assigned to be used during class discussions. These assignments will be worth 10-25 points each.

G. Changes to the course outline, assignments, quizzes and exams may be changed as deemed necessary by the professor to foster optimal instruction. This can include additional assignments, review quizzes and/or assignments.

6. **Miscellaneous:** All tests and written assignments will remain in the possession of the instructor. They will be distributed during the class period and collected before you leave the class to be recorded.

7. **GRADING:** Grades will be calculated on a percentage basis as follows:

94.0 - 100%	A	77.5-79.99	C+
90.0 - 93.99	A-	73.5-77.49	C
87.5 - 89.9	B+	70.0-73.49	C-
83.5 - 87.49	B	65.0-69.99	D
80.0 - 83.49	B-	Below 65%	F



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LATE POLICY

Assignments may only be turned in during class time. Assignments will no longer be accepted in my in-box, handed to me outside of class or placed in my office. There will be a folder and a turn-in sheet to sign when the assignment is placed in the folder during class. If you do not have your assignment during class it may be turned in during a subsequent class period for the following discounts: 1. One class period late during the same week 10%, 2. One class period late over a weekend 15%, 3. Two class periods late 25%, 4. Three class periods late 50%, NO assignment accepted four class periods after the due date. FOR EXAMPLE: If an assignment is due on a Monday and it is worth 50 points then if the assignment is submitted during class on Monday, placed in the folder, and signed – full credit is possible. If the assignment is submitted during class on Wednesday, placed in the folder and signed – a 10% discount on the score earned will be deducted (45 points is the highest grade that can be earned). If the assignment is submitted on Friday – (maximum points possible would be 37.5 points), Submission on the following Monday (maximum points possible 25). No assignments accepted after the fourth class period. If you are not going to be in class, it is your responsibility to have someone in the class submit your assignment and sign their name. No assignments will be returned to the class until after the fourth class period or all assignments for the class have been received.

Disability Information

If you qualify for accommodation under the American Disabilities Act, please see contact Student Success in Nethery Hall 100 (disabilities@andrews.edu or 269-471-6096) as soon as possible so that accommodations can be arranged.

Academic Integrity

University learning thrives on the rigor of individual investigation, the authentic exchange of ideas, and a corporate commitment to integrity and mutual respect. University learning requires all members of the academic community to behave honestly. Andrews University anchors its practices in the teachings of the Bible as well as in widely established and honorable academic traditions. As the apostle Paul calls us to authenticity in our Christian walk, so the educational institution demands of its participants true and accurate self-representation. In Ephesians, Paul invites believers “to be renewed in the spirit of your minds, and to clothe yourselves with the new self, created according to the likeness of God in true righteousness and holiness” (Eph. 4:23-24, NRSV). As scholars and as Christ servants, we build His living body through our honesty in all things, both small and great. To that end, Andrews University’s faculty and students pledge to learn and grow together, committing to the following Standards and affirming honesty as a core component of an Andrews University education.

Academic dishonesty including plagiarism, copying other students work, stealing quizzes or accepting stolen quizzes or exams is a serious offense. Possible consequences are a warning, reduced or failing grade, suspension or dismissal from the class, expulsion from the university, and/or degree cancellation



Emergency Protocol

Andrews University takes the safety of its student seriously. Signs identifying emergency protocol are posted throughout buildings. Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting that specific location. It is important that you follow these instructions and stay with your instructor during any evacuation or sheltering emergency.

Professionalism

To prepare students for the professional world, certain behaviors/activities are not allowed in the classroom.

⑩ Cell Phones, Personal Laptops, and Recording devices: Cell phones should be turned off before entering the classroom. Picture-taking during class is not allowed. Recording devices are allowed only if pre-approved by instructor, and if approved, under no circumstance are recordings—visual or verbal—to be posted on a public website. If there is a family emergency and cell phone contact is necessary, please talk with me prior to class.

Laptops should not be used for surfing the web or watching movies during class. It is disrespectful and unprofessional to use these devices inappropriately during class.

⑩ Late Assignments are unacceptable unless prearranged with instructor. (Refer to late policy specifics)

⑩ Tardiness is strongly discouraged and may reflect on your level of professionalism

⑩ Eating in class: Please do not bring food or beverages to class. Water is permitted.

Presentation is important. Your attention to detail, demeanor, and attire factor into how you are perceived as a professional. Active participation in class discussions and critiques is an essential part of learning. Without participating and expressing opinions and thoughts, it is impossible to clarify your goals and develop a personal style.

Student Responsibility

E-mail is the official form of communication at Andrews University. Students are responsible for checking their Andrews University e-mail, Moodle, and iVue alerts regularly. Please inform fellow classmates of important e-mail information, especially for cancellation of classes, changes in assignments and/or exam information. If you choose to send an e-mail to me please send them to dregal@andrews.edu. Please understand that I will be responding to e-mail during normal business hours (8-5 M-Th and 8-12 on Friday). Plan accordingly when sending e-mail that you expect an answer quickly. You should receive a response within 48 hours. If you have not received a response within 48 hours, please re-send the e-mail

Attendance



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Regular attendance is expected at all classes, laboratories, and other academic appointments. When the number of absences exceeds 20% of the total course appointments for undergraduate classes, the teacher may assign a failing grade. If you miss class, please contact classmates for notes, updates or missed information. It is your responsibility to learn missed information, get copies of handouts etc.



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Tentative Class Schedule

Month	Date	Topic	Assignment	Tye Murray Reading
Aug	28	Intro, audiogram Review		1
	30	Audiogram Review/ Anatomy Review	Take home project	1,3
Sept	1	Adults with hearing loss Tests		2
Monday	4	NO CLASS		
	6	Adults with hearing loss		2
	8	Assessing hearing acuity	Practical Assignment C - Due	3
Monday	11	Assessing hearing acuity		3
	13	Listening Devices		4
	15	Listening Devices	Practical Assignment D - Due	4
Monday	18	Listening Devices	WSE – class meets at 8:10	4
	20	Listening Devices /Cochlear Implants	WSE	4
	22	Cochlear Implants	WSE	4
Monday	25	Cochlear Implants/Auditory Training		4,5
	27	EXAM 1		
	29	Auditory Training		5, 16
OCT - Monday	2	Auditory Training/ Speech Reading Training	Practical Assignment A - Due	5, 6
	4	Speech Reading Training		6,11
	6	NO CLASS – Fall Break		
Monday	9	Communication Strategies	Homework	7
	11	Communication Strategies		7
	13	Assessment of communication		8
Monday	16	Assessment of Communication		8
	18	Communication Strategies Training	Goals	9
	20	Counseling		9,10
Monday	23	Adult AR		11
	25	Adult AR plan/Older Adults		11,12
	27	EXAM 2		
Monday	30	Children with Hearing Loss		13
NOV	1	Children with Hearing loss		13



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	3	Infants and Toddlers		14
Monday	6	Infants and Toddlers		14
	8	School Age	Practical Assignment B - Due	15
	10	School Age		15
Monday	13	School Age/ MOCK IEP		15
	15	MOCK IEP		
	17	EXAM 3		
Monday	20	Oral/Aural		
	22	NO CLASS Thanksgiving		
	24	NO CLASS Thanksgiving		
	27	AR children		16
	29	AR children/ Speech, Lang and Literacy	Practical Assignment E – Due??	16,17
DEC	1	Speech, Lang and Literacy		17
	4	Speech, Lang and Literacy		17
	6	Discussion		
	8	Exam Prep day – No required class. Review session		
Dec	13 (8:00AM- 10:00)	FINAL EXAM	COMPREHENSIVE	EVERYTHING

Trust God

And they that know thy name will put their trust in thee: for thou, Lord, hast not forsaken them that seek thee. Psalms 9:10

Wait on the Lord: be of good courage and he shall strengthen thine heart: wait, I say, on the Lord. Psalms 27:14

Trust in the Lord with all thine heart and lean not unto thine own understanding. In all they ways acknowledge Him, and he shall direct thy paths. Proverbs 3:5,6

And I say unto you, Ask, and it shall be given unto you; seek, and ye shall find; knock and it shall be opened unto you. For every one that asketh receiveth; and he that seeketh findeth; and to him that knocketh it shall be opened. Luke 11:9,10

Psalm 91

I will say of the Lord, "He is my refuge and my fortress: my God, In Him I will trust."

Thanksgiving

Let us come before His presence with thanksgiving; Let us shout joyfully to Him with psalms. For the Lord is the great God and the great King above all gods. Psalm 95:2,3

Therefore by Him, let us continually offer the sacrifice of praise to God, that is, the fruit of our lips, giving thanks to His name.

For God so loved the world that He gave His only begotten son that whosoever believeth in Him, should not perish but have everlasting life. John 3:16

For I know the plans I have for you," declares the LORD, "plans to prosper you and not to harm you, plans to give you hope and a future. ¹² Then you will call on me and come and pray to me, and I will listen to you. ¹³ You will seek me and find me when you seek me with all your heart. Jeremiah 29:11-13

Creator – God wins!!!!

Gen 1:1 In the beginning God created the heavens and the earth.

Gen 1:31 Then God saw everything that He had made, and indeed it was very good. So the evening and the morning were the sixth day.

Gen 2:2,3 And on the seventh day God ended His work which He had done, and He rested on the seventh day from all His work which He had done. Then God blessed the seventh day and sanctified it, because in it He rested from all His work which God had created and made.



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Exodus 20

Exodus 20:3 You shall have no other gods before me.

Exodus 20: 8-11 Remember the Sabbath day , to keep it holy. Six days you shall labor and do all your work, but the seventh day is the Sabbath of the Lord you God. In it you shall do not work; you, nor your son, nor your daughter, nor your male servant, nor our female servant, nor your cattle, nor your stranger who is within your gates. For in six days the lord made the heavens and the earth, the sea, and all that is in them and rested the seventh day. Therefor the Lord blessed the Sabbath day and hallowed it.

Psalms 139:13,14 For you formed my inward parts; You covered me in my mother's womb. I will praise you, for I am fearfully and wonderfully made; Marvelous are Your works, and that my soul knows very well.

Here is the patience of the saints; here are those who keep the commandments of God and the faith of Jesus.

Rev. 14: 12

Now I saw a new heaven and a new earth, for the first heaven and the first earth had passed away. Also there was no more sea. Rev 21:1

Verse 3 - And I heard a loud voice from heaven, saying, "Behold the tabernacle of God is with men and He will dwell with them, and they shall be His people. God himself will be with them and be their God And God will wipe away every tear from their eyes; there shall be no more death, nor sorrow, nor crying. There shall be no more pain, for the former things have passed away.

Rev 22:14 Blessed are those who do His commandments, and that they may have the right to the tree of life, and may enter through the gates into the city.

INSTRUCTOR PROFILE



Darah Regal, AuD., CCC-A
Assistant Professor Audiology

Education

Doctor of Audiology, Au.D, Arizona School of Health Sciences
Master of Arts degree in Audiology, MA, Ball State University
Bachelor of Science degree in Communicative Disorders, BS, Andrews University
Certificate of Clinical Competence in Audiology (CCC-A)
Fellow of the American Academy of Audiology (F-AAA)

Biography

Darah Regal, Au.D., CCC-A is an assistant professor of audiology at Andrews University. Dr. Regal has worked in a private ENT office, giving her a solid medical and clinical background. As a school audiologist in Elkins, West Virginia, she developed a program for testing Central Auditory Processing Disorders (CAPDs) and significantly increased the number of children receiving services for hearing related challenges. Dr. Regal worked with teachers and administrators to create strong support and proactive help for hearing impaired and children with CAPD in order to facilitate optimal learning. She began teaching at Andrews University in 1996 as a contract teacher with full-time employment since 2000. At Andrews, she has developed an audiology clinic for people on campus in the community including testing for Central Auditory Processing.

Dr. Regal is married to Dr. Jeff Regal who is also an audiologist. They have two sons and two lovely daughters-in-law.