



SPPA482-001

Clinical Applications in Audiology

Fall 2017

BULLETIN COURSE DESCRIPTION

Students will apply practical clinical skills of previously studied theories in the assessment, intervention, and documentation of audiology. Students will conduct direct and simulated patient evaluation and intervention. Direct patient contact hours will be obtained in this course and can be applied toward ASHA certification.

Darah Regal, AuD CCC-AUD
Assistant Professor of Audiology

COURSE: SPPA 482 CLINICAL APPLICATIONS IN AUDIOLOGY
Fall 2017

INSTRUCTOR: Darah Regal, AuD., CCC-A
Assistant Professor of Audiology
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COURSE DESCRIPTION:

Supervised audiology practicum, report writing and clinical management of hearing impaired clients.

COURSE OBJECTIVES:

During the course of the semester you will develop an undergraduate proficiency in the following areas of audiology:

1. Ability to explain audiological findings including:
 - A. Type and degree of hearing loss and its possible effects on communication to a patient and also to a fellow professional.
 - B. Immitance results including tympanograms, ipsilateral and contralateral reflexes.
2. Ability to administer audiometric procedures in a timely manner with good reliability.
3. Demonstrate proficiency in test selection to achieve a good diagnostic evaluation.
4. Clinical maturity in the management of clients.
5. Clear, concise reports of audiological findings.
6. Read, acknowledge and follow all HIPPA guidelines for patient confidentiality.

PREREQUISITES:

Courses: SPPA 331 Basic Audiology or equivalent
SPPA 332 Audiological Procedures

REQUIRED ACTIVITIES:

Important: Please arrive at the clinic ten minutes before the patient's appointment. It is important that you meet all your clinical appointments. If you are ill and cannot meet your

appointment, please notify the supervisor prior to the scheduled appointment. **Failure to meet a clinical appointment without an excuse will result in a failing grade. Dress should be appropriately professional.** Jeans, shorts or tank tops are not part of professional attire. Please be very cautious not to wear clothes that reveal too much skin such as your stomach, or back when leaning over to put on earphones or bending over to do tympanometry. Modest professional clothing will be part of your lifelong wardrobe. Please practice wearing appropriate clothing now. If you are not dressed appropriately you may be asked to change before seeing your clients.

1. Clinical Activities – You will be assigned a clinical practicum time 2 hours per week. Please see the proposed schedule for the activity you will be participating in each week. A minimum of 10 hours with patients will be expected during the semester. This is not the same as ASHA hours. ASHA hours will only include time that you directly worked with the client. There will not be a minimum number of hours for the semester but you will be expected to meet ALL clinical appointments regardless of how many hours you individually work with a client. ASHA Clinical contact hours include direct clinical contact such as interviews, performing tests, recording results and explaining results. Report writing and waiting for the patient to come are not included. You are expected to be at practicum for the full 2 hour block of time each week but you will not be able to count all the time as client contact hours. After each session, fill out the patient data and CAP test results on the bottom of the audiogram then turn the yellow copy in to me. If you have a clinical partner you will be expected to be at practicum each week for the full time either testing or writing the report.

2. Prepare a **written report** for each client that is tested.
 - A. The written report is due within **48 hours** after seeing the client. Some clients may require reports within 24 hours so information can be sent to medical professionals. In these cases you will be required to provide a report within the necessary time frame. Wait to complete the audiogram until the report is finished. For patients seen on Thursday or Friday, the report is due on Monday morning. Reports with the patient file will be submitted to my box in the front desk area.

 - B. If you need to make corrections to your report, you will need to re-submit the report within 24 hours. Please **turn in all reports that have corrections on them with the most recent draft.** Turn in the revised report (hard copy) with the patient file to my box.

 - C. If no corrections are necessary on the report, you will need to complete two audiograms (in red and blue where appropriate) and submit the report via e-mail to dregal@andrews.edu within 24 hours.

 - D. All patient data is to be entered into the computers in the student work/observation room. There will be a specific file for these reports to be generated. You will add the patient information into the report and replace all file numbers with the patient's name.

- E. When the audiograms and report are completed, with no errors, you will need to prepare the letter (enter all the personal information) and audiogram to be mailed using the computers in the student observation room. After all signatures are finished, Give the completed report and audiogram with the patient file to the administrative assistant to mail An original report and an original audiogram (in red and blue) will be sent to the patient. Place the second audiogram, case history report and any other test forms in the patient file at the front desk. Paperclip all edited copies of the report and place it in the patient file as well. You are responsible for adding the personal information into the letter after it has been approved.
 - F. This process should not take longer than 3 weeks per patient. For patients seen on Thursdays or Fridays the report is due on Monday morning.
 - G. FYI – If a patient, doctor’s office or school, calls about a late report and you have not turned in the reports on time your final grade will be reduced. For example, assuming you have a final grade of an “A”, one phone call would reduce your grade to an “A-“, two phone calls would reduce your grade to a “B+“, three phone calls would reduce your grade to a “B” and the pattern would continue.
- 3. Be prepared to perform complete battery of audiology tests or assist the audiologist if you feel the testing is beyond your competence.
- 4. **Maintain a daily log** of clients seen, with record of your responsibilities for the management of the client and the time (hours to nearest quarter) of clinical practice. The audiology practicum log can be obtained in the department.
- 5. Each patient will be given a patient file for all information to be kept. During the week of **October 1, 2017** there will be a file assessment to make sure all files are accurate and up to date. If there are missing items you must provide a written list of what still needs to be completed for that patient and by whom. This written list will be due by **October 26, 2017 at noon**. Each patient file should include the following for each patient (50 points)
 - 1. Case history Form
 - 2. Completed audiogram (signed)
 - 3. Completed report(signed)
 - 4. All test forms
 - 5. Recommendation form
- 6. By **3:30 p.m. on Wednesday, November 29, 2017** submit **an original and one copy** of the clinical clocks hours in audiology form and the audiology practicum log to the Audiology Clinical Supervisor. After they have been signed by the supervisor the original will be filed and the copy will be returned to the student. You will not receive a passing grade if these forms are not submitted.

7. **By 3:30 p.m. on Monday, December 4, 2017 all patient files should be complete. A written statement regarding the status of file not completed must be submitted with your final file assessment with a projected completion date.**

These reports must be just like the originals - signatures in ink and the audiogram in red and blue ink.

8. 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.
9. 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.

COMPETENCIES:

1. Perform basic diagnostic audiology battery within the one hour time slot including:
 - a. Puretone a/c threshold audiogram
 - b. Puretone b/c threshold
 - c. SRT with spondee words
 - d. Word Discrimination Ability using PB words
 - e. Use masking when necessary with appropriate levels and symbols
 - f. Immittance testing including tympanograms, reflexes, and reflex decay
2. Provide clear and appropriate instructions for each of the above procedures.
3. Interpret results according to type and degrees of loss.
4. Communicate with the client appropriately for all testing procedures.
5. Write a professional one page report of findings and recommendations.
6. Use Standard American English.
7. Maintain client confidentiality.
8. Attend all scheduled diagnostic appointments and practicum meetings on time.
9. Central Auditory Processing evaluations within 2 hours.

Practical Assignment 1 (100 points) For Students taking the course for 3 credits.

Audiology and/or Auditory Processing Test Research paper

You will be assigned an audiology diagnostic test to research. Please include a comprehensive bibliography with all sources used for the research in APA format. Using sources within the body of the paper is expected. The content of the paper should include the following:

1. Author (s) of the test and date of first clinical use.
2. Purpose of the test
3. Age range the test is appropriate for
4. Specific directions on how to administer the test
5. Specific information regarding scoring the test
6. How to interpret the test
7. Information regarding the effectiveness, reliability and specificity of the test.
8. Based on patient signs and symptoms, who should this test be administered to and why.
9. Based on the results of the test, list 3 recommendations for improving communication ability. Explain the recommendation (s) thoroughly. For example – preferential seating may be a recommendation – explain more specifically what is entailed in the recommendation and why it would be beneficial.
10. Overall summary of the test
11. Your personal impression about the test.

EVALUATION:

Practical Assignment 1	100 points
Chart Review - midterm	50 points
Chart Review – Final	50 points
Paperwork completion	50 points
Evaluation of clinical Performance	125 points

The Clinical performance grade is dependent on your ability to perform audiology tests appropriately, have an appropriate professional attitude and appearance, ability to communicate with patients, written report and your ability to use your time wisely (including arriving on time etc.). (See Rubric)

Total Points 375 points

A letter grade will be assigned as follows:

94.0 - 100%	A	77.5 - 79.99%	C+
90.0 - 93.99%	A-	73.5 - 77.49%	C
87.5 - 89.99%	B+	70.0 - 73.49%	C-
83.5 - 87.49%	B	65.0 - 69.99%	D
80.0 - 83.49%	B-	Below 65%	F

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 participant's 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). You should receive a response within 48 hours. If you have not received a response, please re-send the e-mail.

Attendance

Regular attendance is required at all classes, laboratories, and other academic appointments. When the number of absences exceeds 20% of the total course appointments for undergraduate classes or 10% for graduate classes, the teacher may assign a failing grade.

Tentative schedule – This schedule is subject to change.

August 29 or 30 – Students will test their practicum partner – pure tone air, bone, SRT and Speech Discrimination and we will go over the syllabus.

Sept 5 or 6 – Students will test their practicum partner by doing a masking lab. Be prepared to mask for air, bone, SRT and Discrimination testing.

Sept 12 or 13 – Patients

Sept 19 or 20 – Patients

Sept 26 or 27 – Report writing meeting – NO PATIENTS

Oct 3 or 4 – Patients

Oct 10 NO Practicum – Fall Break

Oct 11 Patients

October 17 or 18 Patients

October 24 or 25- Reports writing meeting – NO PATIENTS

Oct 31 or Nov 1 – Patients

Nov 7 or 8 Patients

Nov 14 or 15 – WAIT – Make up day – Do not schedule patients yet

Nov 21 and 22 - Thanksgiving break – NO Patients.

Nov 28 or 29 – Report writing meeting – NO PATIENTS

EVALUATION OF CLINICAL PERFORMANCE

SPPA482

CLINICAL APPLICATIONS IN AUDIOLOGY
ANDREWS UNIVERSITY

Student Clinician: _____ Semester _____ Year _____

Practicum Site: _____ Supervisor _____

Number of Clinical Hours: _____

Mean Score = $\frac{\text{Sum of Scored Items}}{\text{Number of Items Scored (x5)}} =$ _____

Interpretation of Assigned Point Scores:

NA = **Not Applicable.**

1. **Unacceptable** - Needs excessive direction and/or demonstration from the supervisor. Does not alter unsatisfactory performance and is unable to make changes.
2. **Below Average** - Needs specific direction and/or demonstration from the supervisor. Has difficulty altering unsatisfactory performance and making changes.
3. **Average** - Needs general direction from the supervisor to perform effectively. Performance is adequate.
4. **Above Average** - Needs occasional direction from the supervisor to perform effectively. Generally capable in the clinical process.
5. **Excellent** - Demonstrates independence by taking the initiative. Makes changes when appropriate and is knowledgeable in various aspects of the clinical process.

1. Assessment Skills

- _____ a. Makes pertinent observations of client
- _____ b. Choose appropriate diagnostic tests
- _____ c. Administers tests accurately
- _____ d. Records and scores responses accurately
- _____ e. Interprets results accurately
- _____ f. Makes appropriate recommendations

2. Reporting Skills

- _____ a. Explains results to client or significant others, and/or to supervisor
- _____ b. Involves significant others when discussing results
- _____ c. Answers questions from client and significant others as accurately as possible

- _____ d. Writes a complete, concise diagnostic report
- _____ e. Completes written reports on time

3. Intervention Skills

- _____ a. Gives clear instructions to the client at each phase of the evaluation
- _____ b. Modifies rate and loudness of speech for the hearing impaired individual
- _____ c. Uses effective verbal and non-verbal reinforcers
- _____ d. Deals consistently and appropriately with off-task behaviors

4. Interpersonal /Professional Skills

- _____ a. Develops rapport with client and significant others
- _____ b. Exhibits a professional manner, (attitude, tact, interest, dress)
- _____ c. Uses Standard American English
- _____ d. Maintains client confidentiality
- _____ e. Utilizes additional resources
- _____ f. Seeks guidance from supervisor
- _____ g. Accepts direction from supervisor
- _____ h. Attends all scheduled evaluations, meetings and conferences
- _____ i. Is punctual to appointment times

Comments: _____

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.