

SPLH 568:
Introduction to Audiologic Assessment and Rehabilitation
Fall 2017 Syllabus

Class Meetings:

Lecture: Tuesdays & Thursdays, 8:00-9:15pm; 2096 Dole
Labs: Fridays 11:00-11:50pm, 12:00-12:50pm (See Lab Syllabus)

Instructors:

Instructor: Krysta Green, AuD, CCC-A, FAAA, CH-AP; krystagreen@ku.edu
Office Hours: Fridays, 1:00-3:00pm, 2101A Haworth (inside Schiefelbusch Clinic office)
Additional times may be available by appointment.

GTA: Lindsey Van Looy, BA
Office Hours: See Lab Syllabus

Prerequisite:

SPLH 463: Principles of Hearing Science

Course Description

Introduction to methods for assessing and treating hearing disorders in adults and children, as well as conditions that result in hearing loss. Course includes clinical observation and hands-on experience with clinical techniques.

Course Objectives

During this course, students will

1. Become familiar with the healthcare environment, including professional, ethical, and safety considerations.
2. Develop a basic familiarity with diagnostic procedures used to determine the extent and/or etiology of hearing loss across the lifespan.
3. Become familiar with conditions that may cause hearing loss across the lifespan.
4. Understand the communicative, emotional, social, educational, and economic impact of hearing loss across the lifespan.
5. Become familiar with intervention techniques that may be used to reduce the negative impact of hearing loss across the lifespan.
6. Understand the role of speech-language pathologists and audiologists in assessing hearing health and implementing intervention techniques.

Course Materials

Required Readings:

1. Hall, J.W. (2014). *Introduction to Audiology Today*. Upper Saddle River, NJ: Pearson.
2. Tye-Murray, N. (2009). *Foundations of Aural Rehabilitation: Children, Adults, and Their Family Members (3rd Edition)* Clifton Park, NY: Delmar.
3. Additional selected readings and videos will be posted on Blackboard and/or will be available via the internet. See the schedule for more information.

Online Resources:

1. Blackboard course website at <http://courseware.ku.edu>
 - Blackboard will be used extensively in this course. Students should check the course site frequently for announcements. In addition, all email from the instructor to students will be sent through Blackboard. Please be sure to check the email account associated with your

Blackboard account regularly. See the instructor if you have any questions about or problems with Blackboard.

Requirements

1. Lecture Attendance

- Although attendance will not be taken in lecture, due to the large volume of material that will be covered, students are expected to attend each scheduled class period. If absent from lectures, the individual student is responsible for acquiring materials and information provided during the class.

2. Preparation for Class

- Readings and other materials for review will be required each week. It is expected that you complete this preparation *before* lecture on each topic. Some students may find it helpful to also review these materials after lecture or before exams.
- Some materials will not be covered explicitly in lectures. This does not excuse the student from becoming familiar with assigned readings and able to apply concepts from assigned readings during lectures and on assignments, projects, and exams.

3. Online Quizzes

- Eleven quizzes will be administered through Blackboard.
- The first quiz (*Quiz 0: Hearing Science Review Quiz*) will cover concepts from SPLH 463 (a prerequisite for this course) and SPLH 120. Students will be required to retake this quiz until they have scored 90% or better. Students who do not take and score 90% on this quiz will have a letter grade deducted from their final score for the course. This quiz will be due on the last day of classes, but it is recommended that you complete it as soon as possible, as topics will only become more distant.
- Quizzes 1 through 10 will include questions from the assigned readings, lectures, and class discussions. They will not include information covered exclusively in the lab section. These quizzes will provide students with sample questions that may be asked on exams, will help students identify key concepts covered in readings and lecture, and will provide extra practice applying course concepts. Quizzes will include multiple choice, matching, true/false, fill in the blank, and short answer.
- Quizzes must be completed by the due dates noted on the schedule, following the lectures on the topics covered. Some students may find it helpful to postpone taking the quiz until after concepts have been reviewed in the lab section, but information covered exclusively in the lab section will not be represented in the quizzes.
- Students should attempt to answer each question without referring to class notes or the textbook, then verify their answers before submitting the exercise. Once a quiz is started, it must be completed in the same session. One hour will be allotted for completion, unless extended time accommodations are documented.
- Quizzes must represent a student's independent personal work. Working with peers, sharing quiz answers, or any other misrepresentation of work as a student's own will constitute academic misconduct.
- Technology glitches are common in the modern age, but it is your responsibility to minimize the risk of problems occurring. You will be expected to make every attempt to complete quizzes with enough time to solve them if encountered. You will also be expected to use the appropriate web browser and ensure a stable internet connection. Computer labs are readily available on campus if your personal devices are insufficient. If you do have a computer problem that prevents you from completing the quiz, email Dr. Green at the time the problem occurs. If the computer problem is considered valid and verified by the time stamp on the email, you may be permitted to take the quiz after the deadline.
- *Beyond valid computer problems or extreme extenuating circumstances, there will be no opportunities to make-up or postpone weekly quizzes. Late quizzes will not be graded. Please plan accordingly.*

4. Assignments

- Five assignments will be completed over the course of the semester. The details about each individual assignment will be provided in class and on Blackboard well before each assignment is due. Due dates are indicated on the class schedule.
- Assignments are intended to apply information learned in the course to simulated or real life cases. It is expected that significant research outside of provided class materials will be undertaken. Every attempt will be made to provide in class workshop time for applicable assignments.

5. Exams

- Four unit exams are scheduled, the fourth of which will be during finals week. Although each exam will emphasize the material covered in each unit, many concepts covered early in the class will be revisited throughout the course; therefore, exams 2-4 may contain information that is cumulative in nature. The exams will include a mix of multiple-choice, true/false, matching, short-answer, and essay-type questions designed to evaluate both your knowledge of the material and ability to apply it. Questions will include material covered in the class lecture, readings and videos, quizzes, and assignments.
- Reviews are scheduled in class for each exam, but may be shortened or excluded in the interest of covering material. These reviews are not intended to provide answers to test questions, but to apply course materials.

6. Lab Section

- Lab sections will provide students with an opportunity to gain hands-on experience with the materials and techniques discussed in lecture, as well as learn additional information regarding their clinical application. They will also provide students with additional opportunities to discuss and ask questions regarding materials covered in lecture.
- A lab assignment or report will be completed for each session. These assignments may be completed during the session or may require additional work after the session. Refer to lab syllabus for further information.
- A lab final project will be completed to assess overall learning from a clinical perspective. Refer to lab syllabus for further information.
- Absences may be excused if you contact the instructor *before* the missed class and offer a *valid reason* for missing lab. An example of a valid reason is illness that can be documented with a physician's note. An example of an invalid reason is a shift at work or a non-medical appointment.
- Note that lab sections, due to the limited space and time, may not provide you with the depth of experience you desire. If you would like additional hands on time working with equipment or concepts, please contact Dr. Green or Dr. Go.
- Also note ***that labs cannot always match up to lectures precisely***. Occasionally, a technique will be covered in lab after the exam covering the lectures on that technique. The exams will not cover information exclusively provided in the lab section, although some students report better understanding after the hands-on experience. As above, please contact Dr. Green or Dr. Go if hands-on experience is desired.
- The lab section is worth a significant portion of your final grade in this course. It is in your best interest to treat the lab with the same diligence as the course.

Audio or Video Taping Lecture

Course materials prepared by the instructor, together with the content of all lectures and review sessions presented by the instructor are the property of the instructor. Video and audio recording of lectures and review sessions without the consent of the instructor is prohibited. On request, the instructor will usually grant permission for students to audio tape lectures, on the condition that these audio tapes are only used as a study aid by the individual making the recording. Unless explicit permission is obtained from the instructor, recordings of lectures and review sessions may not be modified and must not be transferred or transmitted to any other person, whether or not that individual is enrolled in the course.

Studying

Significant learning may start in the classroom but it should continue to grow outside the classroom when students become actively engaged with the material. In this course, you will be actively engaged with the material outside of class through completion of readings, quizzes, and assignments. It will be exceedingly difficult for students to perform well in this course if they do not prepare as required. As stated in the Faculty Senate Rules and Regulations (5.1.1) "One semester hour means course work normally represented by an hour of class instruction and two hours of study a week for one semester, or an equivalent amount of work. The concept may vary according to the level at which instruction is offered." Do note that this is a junior-senior level course intended to both instruct you in course topics and prepare you for academic work at the graduate level.

Academic Misconduct

Students are expected to observe all University guidelines pertaining to academic misconduct. As stated in the University Senate Rules and Regulations (2.6.1):

"Academic misconduct by a student shall include, but not be limited to, disruption of classes; threatening an instructor or fellow student in an academic setting; giving or receiving of unauthorized aid on examinations or in the preparation of notebooks, themes, reports or other assignments; knowingly misrepresenting the source of any academic work; unauthorized changing of grades; unauthorized use of University approvals or forging of signatures; falsification of research results; plagiarizing of another's work; violation of regulations or ethical codes for treatment of human and animal subjects; or otherwise acting dishonestly in research." Academic misconduct will not be tolerated and will be dealt with in accordance with all University rules and regulations.

Non-Academic Misconduct

The scope and content of the material included in this course are defined by the instructor in consultation with the responsible academic unit. While the orderly exchange of ideas, including questions and discussions prompted by lectures, discussion sessions and laboratories, is viewed as a normal part of the educational environment, the instructor has the right to limit the scope and duration of these interactions. Students who engage in disruptive behavior, including persistent refusal to observe boundaries defined by the instructor regarding inappropriate talking, discussions, and questions in the classroom or laboratory may be subject to discipline for non-academic misconduct for disruption of teaching or academic misconduct, as defined in the Code of Student Rights and Responsibilities (CSRR), Article 22, Section C, and the University Senate Rules and Regulations, Section 2.4.6. Article 22 of CSRR also defines potential sanctions for these types of infractions.

Accommodations

The Academic Achievement and Access Center (AAAC) coordinates academic accommodations and services for all eligible KU students with disabilities. If you have a disability for which you wish to request accommodations and have not contacted the AAAC, please do so as soon as possible. They are located in 22 Strong Hall and can be reached at 785-864-4064 (V/TTY). Information about their services can be found at <http://www.access.ku.edu>. Please also contact me privately in regard to your needs in this course, whether or not those needs are formally documented.

If a scheduled exam, lab exercise, or quiz is in conflict with a mandated religious observance, you must notify the instructor in writing (e-mail is acceptable) within one week of receiving this syllabus so that an alternative arrangement can be made in advance of the scheduled requirement.

Concealed Carry of Firearms

Effective July 1, 2017. Individuals who choose to carry concealed handguns *are solely responsible to do so in a safe and secure manner in strict conformity with [state and federal laws](#) and [KU weapons policy](#)*. Safety measures outlined in the KU weapons policy specify that a concealed handgun:

- Must be under the constant control of the carrier.
- Must be out of view, concealed either on the body of the carrier, or backpack, purse, or bag that remains under the carrier's custody and control.

- Must be in a holster that covers the trigger area and secures any external hammer in an un-cocked position
- Must have the safety on, and have no round in the chamber.

This course takes place in spaces that will require students to leave belongings such as backpacks and purses away and unattended for the duration of class time. Students who choose to carry a concealed handgun in a purse, backpack, or bag must review and plan each day accordingly, and are responsible for making alternate arrangements as necessary. The university does not provide appropriate secured storage for concealed handguns.

This course requires interactive movement, clothing changes, and/or physical contact with others that may reveal the presence of a concealed handgun. Students who choose to carry a concealed handgun must review and plan each day accordingly and transfer their handgun to a secured device in their vehicle or their residence before arriving to class. The university does not provide appropriate secured storage for concealed handguns or any other weapons.

Individuals who violate the KU weapons policy may be asked to leave campus with the weapon and may face disciplinary action under the appropriate university code of conduct.

Grading

The University has prescribed definitions for grades. The University Senate Rules and Regulations define grades in the following way:

- 1..1.2 The grade of A will be reported for achievement of outstanding quality
- 1..1.3 The grade of B will be reported for achievement of high quality
- 1..1.4 The grade of C will be reported for achievement of acceptable quality
- 1..1.5 The grade of D will be reported for achievement that is minimally passing but at less than acceptable quality

In this course, quality of achievement will be evaluated through online quizzes, assignments, lab attendance, and exams. Extra credit may occasionally offered in this course, but students are encouraged to attend to their performance throughout the semester. Grades will be based on the following:

Class (85% of total score):

Weekly Quizzes (10 total) = 100 points (14%)
Assignments (5) = 100 points (14%)
Exams (4) = 400 points (57%)

Lab (15% of total score):

See lab syllabus for information on grading. 105 points in total score.

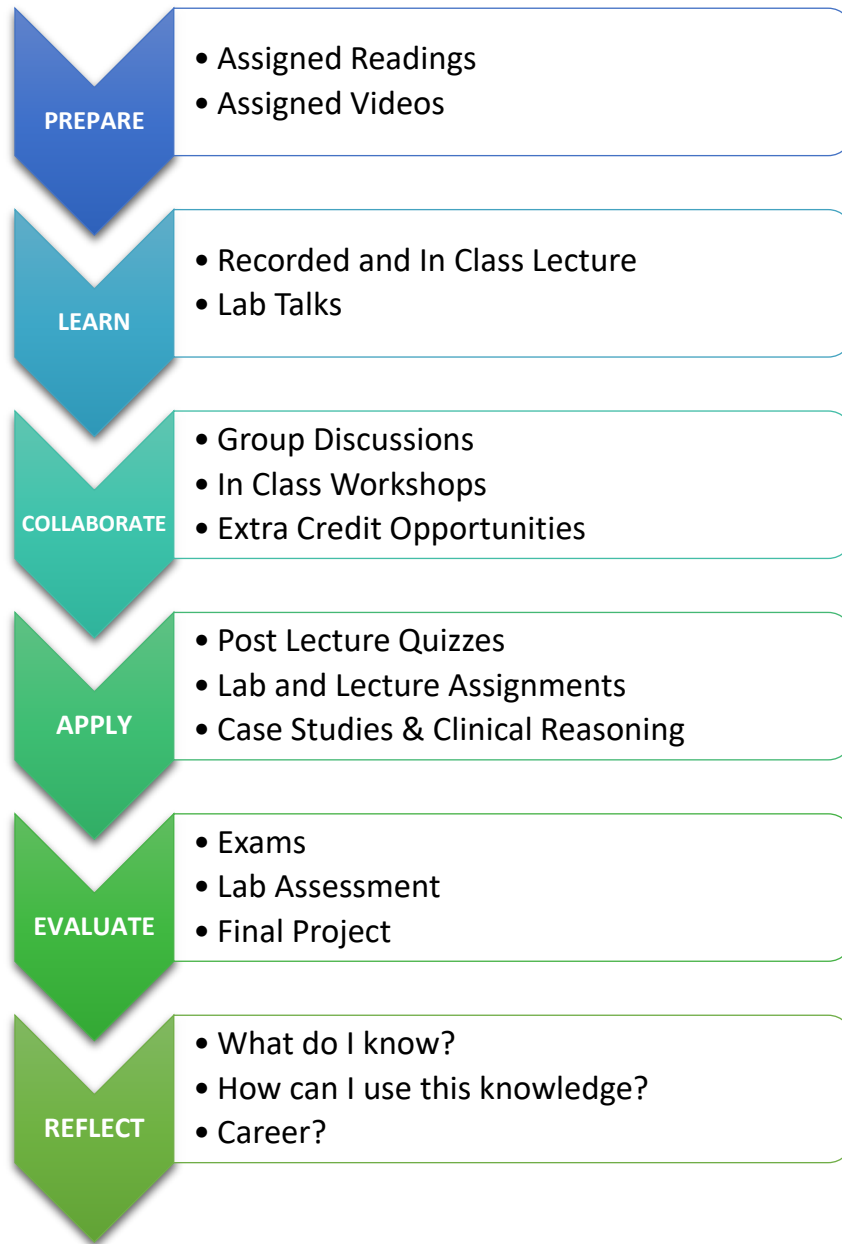
The plus/minus system will be used in this class. Final grades for the course will be based on the following (percents based on points earned out of a total of available points):

93 – 100%	A
90 – 92%	A-
88 – 89%	B+
83 – 87%	B
80 – 82%	B-
78 – 79%	C+
73 – 77%	C

70 – 72%	C-
68 – 69%	D+
63 – 67%	D
60 – 62%	D-
< 60%	F

If your level of achievement during this course is falling short of your goal, you are **strongly encouraged** to consult with the instructor during office hours or by appointment to improve the quality of your learning of course material.

SPLH 568: Introduction to Audiologic Assessment & Rehabilitation Fall 2017 Course Schedule



Module 0: Course Introduction and Reviews

- We will briefly review the syllabus and course structure the first day of class. Please complete “housekeeping” tasks on Blackboard by the end of the first week of class.
 - Review syllabus and sign syllabus review acknowledgement.
 - Sign confidentiality and security agreement.
 - Complete student information survey.
- Please independently review for and take Quiz 0. Note that this quiz must be passed with a score of 90% or better or a letter grade will be deducted from your final course score. We will briefly review hearing science to aid you on this quiz, but you are responsible for ensuring your knowledge of the concepts covered.

Module 1: The Basics

- T 8-22 *Lesson 0: Hearing Science Review*
Lesson 1: What is Audiology?
- R 8-24 *Lesson 2: Care Environment and Screenings*
Syllabus Review Statement, Confidentiality Statement, and Student Information Survey due by Monday at noon.
Quiz 0: Hearing Science Review (first attempt) due Monday at noon.

Module 2: Diagnostics I

- T 8-29 *Lesson 3: Case History and Otoscopy*
Workshop - Assignment 1: Professional and Ethical Issues
- R 8-31 *Lesson 4: Pure Tone Audiometry*
Quiz 1: Lessons 1-4 due Monday at noon.
- T 9-5 *Lesson 5: Masking*
R 9-7 *Lesson 6: Speech Audiometry*
Assignment 1: Professional and Ethical Issues due today at 8am.
Quiz 2: Lessons 5-6 due Monday at noon.
- T 9-12 *Review and Case Studies*
- R 9-14 *Exam 1: Modules 1-2*
Extra Credit is due by beginning of exam.

Module 3: Diagnostics II

- TR 9-19/21 *Lesson 7: Acoustic Immittance*
Quiz 3: Lesson 7 due Monday at noon.
- T 9-26 *Lesson 8: Otoacoustic Emissions and Auditory Brainstem Response*
R 9-28 *Lesson 9: Pediatric Audiology*
Workshop - Assignment 2: Observe a Hearing Evaluation
Quiz 4: Lesson 8-9 due Monday at noon.

Module 4: Disorders of the Auditory System

- T 10-3 *Lesson 10: External and Middle Ear Disorders*
Lesson 11: Inner Ear Disorders
- R 10-5 *Lesson 12: Auditory Nerve Disorders*
Lesson 13: Central Auditory Disorders

- Quiz 5: Lessons 10-13 due Monday at noon.*
T 10-10 *Disorders Catch Up / Case Studies*
R 10-12 *Review and Case Studies*
Assignment 2: Observe a Hearing Evaluation due today at 8am.
T 10-17 **FALL BREAK**
- R 10-19 Exam 2: Modules 3-4**
Extra Credit is due by beginning of exam.

Module 5: Aural Rehabilitation I

- T 10-24 *Lesson 14: Introduction to Aural Rehab and Counseling*
RT 10-26/31 *Lesson 15: Access to Sound: Technology*
Quiz 6: Lesson 14 due Monday at noon.
R 11-2 *Lesson 16: Access to Sound: Accessibility*
Assignment 3: Experience a Hearing Loss due at 8am.
Quiz 7: Lesson 15 due Monday at noon.
T 11-7 *Workshop - Assignment 4: Technology for Access to Sound*
R 11-9 *Lesson 17: Auditory Training*
Quiz 8: Lessons 16-17 due Monday at noon.
T 11-14 **Review: Case Studies and Report Writing**
Assignment 4: Technology for Access to Sound due at 8am.
- R 11-16 Exam 3: Module 5**
Extra Credit is due by beginning of exam.

Module 6: Aural Rehabilitation II

- T 11-21 *Lesson 18: Speechreading*
R 11-23/24 **Thanksgiving**
T 11-28 *Lesson 19: Communication Strategies*
Lesson 20: Aural Rehab in Adults and Elders
Quiz 9: Lessons 18-19 due Monday at noon.

Module 7: Aural Habilitation

- R 11-30 *Lesson 21: Early Hearing Detection and Intervention*
Lesson 22: Aural Habilitation in Infants and Toddlers
Workshop - Assignment 5: Develop an Aural Rehab
T 12-5 *Lesson 23: Aural Habilitation in School-Aged Children and Teenagers*
Lesson 24: Speech, Language, and Social Development in Children with Hearing Loss
R 12-7 **Flex Day/Catch Up**
Assignment 5: Develop an Aural Rehab Plan due at midnight.
Quiz 10: Lessons 20-24 due today at midnight.
- R 12-14 Exam 4: Modules 6-7 from 8 to 10am.**
OR Final Project due at 10am.
Extra credit is due by beginning of exam.
**Optional final exam review will be schedule by poll during finals week.*