

SPLH– Hearing Science Spring 2019 Syllabus

Class Instructor Aryn Kamerer, PhD
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“Office hours” Thursdays 6-8pm on Blackboard

Course pre-requisites, co-requisites and other restrictions

Pre-requisites: SPLH 120, SPLH 261

Purpose of the Course

In this course, we will discuss concepts and principles relevant to normal hearing processes: gross anatomy, psychophysical methods, and basic subjective correlates of the auditory system.

Intended Learning Outcomes

1. Identify anatomical structures of the auditory system and describe their function
2. Familiarize with common pathologies of the auditory system
3. Relate basic knowledge to the practice of Audiology
4. Develop problem-solving skills necessary for the fields of clinical practice and science

Course Management

Required Readings:

Yost, W.A. (2007). Fundamentals of Hearing: An Introduction (5th Edition***) New York: Academic Press.

My personal advice is that any edition of this text is fine (i.e. buy a cheap one). Just note that chapters may be in a different order

Required Materials:

This course utilizes online media that requires high-speed internet access (cable or DSL). Videos for the class are best viewed on laptop computers or tablets; cell phone screens will not provide the clarity or resolution for appreciating the content of the videos.

Although there are no set meetings or chat requirements for this class, you must be willing to access the class at least once from Monday-Friday to view videos and modules, participate in surveys and/or take the weekly quiz.

All content of the course will be organized and available on the Blackboard® learning management website (<https://courseware.ku.edu/>). Descriptions of the features and use of this platform can be obtained at the following sites:

Blackboard Learn

<https://www.youtube.com/playlist?list=PLontYaReEU1seUE3ACG3sEc3zR7Br7URU>

Should you encounter problems with logging on to Blackboard, please contact the Educational Technology Support Center in Budig 4: itedtech@ku.edu

Organization of the course

There is a total of 500 points available in the class.

1. *Modules*

The course is comprised of weekly modules posted as folders on Blackboard. These modules may contain textbook excerpts, journal articles, powerpoint lectures, YouTube videos, website links, PDFs, practice problem worksheets, or other documents, all of which need to be explored before attempting the quiz for that week. You can choose to complete all activities in one session or break it up over the course of the week.

2. *Surveys (5 pts)*

There are 3 surveys throughout the course which are meant to help me, as the instructor, make your learning experience better. I understand that online courses can be difficult for some students. These surveys let me know how you learn best, and what is going right and wrong with the course as we move along. Immediately prior to the final exam, I'd like to know how you think you did in the course and what I can change for the next students. Completion of these surveys are mandatory and must be done *before* you can gain access to the quiz/discussion/exam due that week. You must answer every question of each survey *in a thorough and thoughtful manner* in order to keep the 5 points at the end of the semester.

3. *Quizzes (15 pts x 13 quizzes = 195 pts)*

Quizzes are a formative assessment of your learning as the course moves along. While quizzes do contribute to your grade, their purpose is really to let you know what you should have learned from the module and what you will need to know/be able to do for the exam. **Quizzes are due each week by 11:59pm Friday.** If you miss questions on the quiz, you can make them up! There is a form in each module called the '*Quiz Correction Form*' which you can fill out and submit to make up the points you missed. This is a self-correction form, meaning you will have to explain why you chose the wrong answer and why the correct answer is really correct.

4. Exams (75 pts[Exam 1] + 125 pts[Exam 2] + 100 pts[Exam 3] = 300 pts)

Exams will evaluate the key terms and concepts taught in the lecture. While the exams are technically not cumulative, some concepts learned in this course build on each other so material learned even in the first few weeks may be necessary to understand the more complex material taught later in the course. Three exams are scheduled for the dates of February 21-22, April 11-12, and May 16-17. The exams become **available Thursday morning at 12am and close Friday at 11:59pm**. You may take the exam anytime during this window but the exam **MUST BE COMPLETED IN ONE SESSION** (i.e. once you start the exam you *cannot* exit and come back to it). Exams are open-note, **however**, there is a time limit so you will not be able to rely entirely on your ability to google or look back through the modules for every question. **Exams must be completed independently**, i.e. don't cheat off of your friend, there are ways for me to know you collaborated or copied someone's exam. If you cheat you will receive a 0% on the exam. If you do not finish within the time limit you forfeit all points from unanswered questions.

****Words of Wisdom: sometimes technology doesn't work when we need it to. This is a bummer of a fact-of-life but we can do our best to avoid it ruining our grades. Picture this hypothetical situation: it's a beautiful Friday night and you're getting ready to go to your friend's party when you realize an exam is due in 2 hours and all the sudden you can't log in to Blackboard and then your laptop crashes! What do you do? At 10pm, none of the KU tech support centers are open and Dr. Kamerer is asleep. You cry and cry all weekend wondering if you'll be able to make up the exam or if you just failed the class. This is not a situation you ever want to be in. You have been given two whole days to do the exam for two reasons: 1) so you can work around your busy schedule, and 2) so you can fix any technological issues you may have BEFORE the exam is due so you can actually enjoy your weekend. Please be smart and take the exam with enough time to resolve any issues with Dr. Kamerer or the KU support people that may come up before Friday at 11:59pm. ****

Course Calendar

Dates	Week	Topic	What's due
1/22-1/25	1	Overview of course and the profession of audiology and hearing science	Pre-course survey & Quiz #1
1/28-2/1	2	Review of acoustics I	Quiz #2

2/4-2/8	3	Review of acoustics II	Quiz #3
2/11-2/15	4	External & middle ear anatomy & physiology	Quiz #4
2/18-2/22	5	Exam (must be taken Thursday or Friday)	Exam #1 75 pts.
2/25-3/1	6	Cochlear anatomy & physiology I	Quiz #5
3/4-3/8	7	Cochlear anatomy & physiology II	Quiz #6
3/11-3/15	8	<i>Spring break</i>	Mid-semester survey
3/18-3/22	9	Vestibular anatomy & physiology	Quiz #7
3/25-3/29	10	Central auditory system anatomy & physiology I	Quiz #8
4/1-4/5	11	Central auditory system anatomy & physiology II	Quiz #9
4/8-4/12	12	Exam (must be taken Thursday or Friday)	Exam #2 125 pts.
4/15-4/19	13	Threshold measures of hearing	Quiz #10
4/22-4/26	14	Suprathreshold measures of hearing	Quiz #11
4/29-5/3	15	Psychoacoustics	Quiz #12
5/6-5/10	16	Abnormal auditory system	End-of-semester survey & Quiz #13
5/13-5/17	17	Exam (must be taken Thursday or Friday)	Exam #3 100 pts.

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.

Course Evaluations

Course evaluations are part of our continuing process to improve course delivery. Student feedback is very helpful in this process; therefore, your participation is very important. Course evaluations will be distributed the week prior to finals week via email, and should be completed by the last day of class. Participation is tracked; however, your responses are anonymous and will only be presented as aggregate data.

Accommodations

The staff of Services for Students with Disabilities (SSD), 135 Strong, 785-864-2620 (v/tty), coordinates accommodations and services for KU courses. If you have a disability for which you

may request accommodation in KU classes and have not contacted them, please do so as soon as possible. Please also notify the instructor in writing (e-mail is acceptable) within one week of receiving this syllabus so that appropriate accommodations for this course can be discussed. If a scheduled exam or lab exercise 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.

Grading

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

- 1.2.1.1 The grade of A will be reported for achievement of outstanding quality
- 1.2.1.2 The grade of B will be reported for achievement of high quality
- 1.2.1.3 The grade of C will be reported for achievement of acceptable quality
- 1.2.1.4 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 points earned on pre- and post-class assignments, lab work, and exams. Points assigned for each requirement will be in-line with the above described scale. The relationship between number of points and quality of achievement as indicated by letter grade is as follows:

A: 470-500	B-: 400-419	D+: 335-349
A- : 450-469	C+: 385-399	D: 320-334
B+: 435-449	C: 370-384	D- : 300-319
B: 420-434	C- : 350-369	F: < 300

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