



DEPARTMENT OF COMMUNICATIVE
DISORDERS AND DEAF EDUCATION

Course Syllabus ComD 3400

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For this online course, please use the messaging system inside Canvas to contact me.

Required Course Text:

Essentials of Anatomy and Physiology for Communication Disorders, 2nd Edition

eText: ISBN-10 1285307143, ISBN-13 9781285307145

Print: ISBN-10 1133018211, ISBN-13 9781133018216

Author(s): Seikel/Drumright/Seikel

Publisher: Cengage Learning

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<http://www.cengagebrain.com/micro/AGG20131025-74111-166>

This Text is also required for ComD 3100 –therefore each student should already have a copy

FYI: You can purchase directly from Plural at a 15% discount with free shipping by using promotion code **ST15** when buying online at www.pluralpublishing.com.

I am also allowing students to use the previous text: Seikel, J. Anthony, King, Douglas W. & Drumright, David G. Anatomy & Physiology for Speech, Language, and Hearing. 4th Ed. DELMAR Cengage Learning.

Course Description: This course offers a basic introduction to the principles of acoustics as they relate to human hearing. It introduces basic concepts and theories of hearing. The anatomy of the ear and the primary hearing and balance functions of the ear are also explained.

Course Objectives and Outcomes:

- **To provide students with a basic and applied understanding of the structure and function of the human ear in preparation for advanced study.**
- **To provide students an understanding of how physics, anatomy and physiology interact to produce auditory perception.**
- **To provide students with a basic introduction to some of the more common disorders related to ears and hearing.**

ASHA Certification Standards: Students enrolled in this course will acquire knowledge and skills associated with the following ASHA standards for certification in Audiology:

B4. Anatomy and physiology, pathophysiology. B8. Normal aspects of auditory physiology and behavior over the life span. B13. Physical characteristics and measurement of acoustic stimuli

Course Format: This is an on-line course offered through Distance Education.

Course Materials: All lectures, chapter notes and handouts are located on USU's Canvas System. You access that information with your username and password by going to online.usu.edu and entering into the class homepage. Lectures, notes, syllabi, discussion areas, mail (conversations), web link archives and technical support are all available via Canvas.

Email: Please contact me with issues and questions relating to this class using the message system located in Canvas (conversations). Check your Canvas messages and announcements often! If there is course information or additional suggestions I will post them there. Please allow me one to two business days to return emails. It is usually faster than that, but I do see patients during the day and often do not have breaks to return emails.

Announcements meant for the entire class will be made through Canvas announcements / notifications, therefore the student should check notifications to ensure he /she is receiving announcements / notifications.

Studying: Significant learning may start with classroom lectures, 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, study materials and just plain STUDYING.

Examinations: There will be three section exams and one final exam. These will include **multiple-choice** questions to assess your knowledge of course content. Questions will include information from the readings, lectures and study material provided. **Each of the exams may be comprehensive. The final IS Comprehensive. No additional extra credit work will be given.** Students will have one week to take the exams. Exceptions will not be made to alter these dates unless PRIOR permission has been received due to an **emergency (family death or accident)**. So be advised to plan and schedule for examinations well in advance. **ALL EXAMINATIONS USE PROCTORIO AS THE ONLINE PROCTOR.** See details regarding proctoring below and on the course website.

You will need a basic / scientific calculator (cannot be a graphing calculator) that can perform log functions during the first examination for basic calculations and logarithms. Do not let this intimidate you; the calculations are quite simple.

Final grade will be determined by compiling the total points accumulated on the exams, assignments and graded quizzes for each student.

Graded Quizzes: There are 4 graded quizzes, one for each section. The graded quizzes do not require a proctor and are, therefore, open-book.

Section Assignments: Any additional section assignments are outlined within Canvas. There is one or two group collaboration assignment(s) for this class. The grade is partially based on participation of the individual to the collaboration.

Practice Quizzes and Study Helps: The practice quizzes and study helps provided in this class are for your use and can be taken as many times as you would like. They will NOT BE GRADED.

Readings: Any additional required readings, outside of the required textbook, will be available on the course website.

Details regarding the schedule of course content and examinations will be provided on the calendar and syllabus tab available in Canvas.

TEST SCORES AND GRADES

- A = 93.0%+
- A- = 90.0-92.9%
- B+ = 88.0-89.9%
- B = 83.0-87.9%
- B- = 80.0-82.9%
- C+ = 78.0-79.9%
- C = 73.0-77.9%
- C- = 70.0-72.9%
- D+ = 68.0-69.9%
- D = 60.0-67.9%

Proctoring Information:

We are excited to announce that you will no longer have to pay for proctored exams, proctoring agencies, or the cost and time associated with traveling to proctoring locations. Utah State University has established an agreement with Proctorio, an online proctoring agency that allows students to take proctored exams on computers and at locations of their choice, free of charge. You will have the one-time cost of purchasing a computer microphone and webcam if you do not already have them. You can use them for your proctored exams in each of your future online classes. Your Canvas course homepage has specific information for setting up Proctorio on your computer.

To get started you will need:

- Chrome Browser <https://www.google.com/chrome/browser/>
- Chrome Proctorio Extension <http://getproctorio.com/>
- Web Camera
- Microphone

Once the Proctorio Extension is installed, select your exam or quiz to begin testing.

If you need help with Proctorio contact support@proctorio.com or select the “shield” icon in the upper right corner of the browser window to chat with a technician.

Discussions: In the Discussions Area (click Discussions in left column) you can dialogue with other students about class assignments, suggestions for studying, or anything else pertaining to class you would like. However, remember that all other students and instructors in this class can read your comments. Please keep them professional and respectful. I will have the TAs monitor these discussions regularly.

UNIVERSITY POLICIES & PROCEDURES

Academic Freedom and Professional Responsibilities

Academic freedom is the right to teach, study, discuss, investigate, discover, create, and publish freely. Academic freedom protects the rights of faculty members in teaching and of students in learning. Freedom in research is fundamental to the advancement of truth. Faculty members are entitled to full freedom in teaching, research, and creative activities, subject to the limitations imposed by professional responsibility. [Faculty Code Policy #403](#) further defines academic freedom and professional responsibilities.

Academic Integrity – "The Honor System"

Each student has the right and duty to pursue his or her academic experience free of dishonesty. The Honor System is designed to establish the higher level of conduct expected and required of all Utah State University students.

[The Honor Pledge](#): To enhance the learning environment at Utah State University and to develop student academic integrity, each student agrees to the following Honor Pledge:

"I pledge, on my honor, to conduct myself with the foremost level of academic integrity."

A student who lives by the Honor Pledge is a student who does more than not cheat, falsify, or plagiarize. A student who lives by the Honor Pledge:

- Espouses academic integrity as an underlying and essential principle of the Utah State University community;
- Understands that each act of academic dishonesty devalues every degree that is awarded by this institution; and
- Is a welcomed and valued member of Utah State University.

Academic Dishonesty

The instructor of this course will take appropriate actions in response to Academic Dishonesty, as defined the University's Student Code. Acts of academic dishonesty include but are not limited to:

- **Cheating:** using, attempting to use, or providing others with any unauthorized assistance in taking quizzes, tests, examinations, or in any other academic exercise or activity. Unauthorized assistance includes:
 - Working in a group when the instructor has designated that the quiz, test, examination, or any other academic exercise or activity be done "individually;"
 - Depending on the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;
 - Substituting for another student, or permitting another student to substitute for oneself, in taking an examination or preparing academic work;
 - Acquiring tests or other academic material belonging to a faculty member, staff member, or another student without express permission;
 - Continuing to write after time has been called on a quiz, test, examination, or any other academic exercise or activity;
 - Submitting substantially the same work for credit in more than one class, except with prior approval of the instructor; or engaging in any form of research fraud.
- **Falsification:** altering or fabricating any information or citation in an academic exercise or activity.
- **Plagiarism:** representing, by paraphrase or direct quotation, the published or unpublished work of another person as one's own in any academic exercise or activity without full and clear

acknowledgment. It also includes using materials prepared by another person or by an agency engaged in the sale of term papers or other academic materials.

Sexual Harassment

Sexual harassment is defined by the Affirmative Action/Equal Employment Opportunity Commission as any "unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature." If you feel you are a victim of sexual harassment, you may talk to or file a complaint with the Affirmative Action/Equal Employment Opportunity Office located in Old Main, Room 161, or call the AA/EEO Office at (435) 797-1266.

Withdrawal Policy and "I" Grade Policy

Students are required to complete all courses for which they are registered by the end of the semester. In some cases, a student may be unable to complete all of the coursework because of extenuating circumstances, but not due to poor performance or to retain financial aid. The term 'extenuating' circumstances includes: (1) incapacitating illness which prevents a student from attending classes for a minimum period of two weeks, (2) a death in the immediate family, (3) financial responsibilities requiring a student to alter a work schedule to secure employment, (4) change in work schedule as required by an employer, or (5) other emergencies deemed appropriate by the instructor.

Students with Disabilities

Students with ADA-documented physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations. Veterans may also be eligible for services. All accommodations are coordinated through the Disability Resource Center (DRC). Please contact the DRC prior to or as early in the semester as possible. Alternate formats for course content are available with advanced notice.

Contacting the Disability Resource Center (DRC):

- On Campus: Room 101 of the University Inn
- Phone: 435-797-2444
- Website: <http://www.usu.edu/drc/>

Disability related resources for current students:

- [DRC Student Handbook](#)
- [Deaf and Hard of Hearing Student Handbook](#)
- [Disability Related Scholarships](#)
- [Campus Resources](#)
- [Documentation Guidelines](#)
- [Online Resources for Students with Disabilities](#)

Diversity Statement

Regardless of intent, careless or ill-informed remarks can be offensive and hurtful to others and detract from the learning climate. If you feel uncomfortable in a classroom due to offensive language or actions by an instructor or student(s) regarding ethnicity, gender, or sexual orientation, contact:

- Student Services: <http://www.usu.edu/student-services/>, 435.797.1712, studentservices@usu.edu, TSC 220
- Student Advocates: <http://www.usu.edu/ususa/legal/>, 435.797.2912, TSC 340,
- Access and Diversity: <http://www.usu.edu/accesscenter/>, 435.797.1728, <mailto:access@usu.edu>; TSC 315
- Multicultural Programs: <http://www.usu.edu/accesscenter/multiculture/>, 435-797-1728, TSC 315
- LGBTQA Programs: <http://www.usu.edu/accesscenter/lgbtqa/>, 435-797-GAYS, TSC 314
- Provost's Office Diversity Resources: <http://www.usu.edu/provost/faculty/diversity/>, (435) 797-8176

You can learn about your student rights by visiting:
The Code of Policies and Procedures for Students at Utah State University: <http://www.usu.edu/student-services/student-code/>

Grievance Process

Students who feel they have been unfairly treated may file a grievance through the channels and procedures described in the Student Code: [Article VII. Grievances.](#)

Full details for USU Academic Policies and Procedures can be found at:

- [Student Conduct](#)
- [Student Code](#)
- [Academic Integrity](#)
- [USU Selected Academic Policies and Procedures](#)
- [USU Academic Policies and Procedures](#)
- [Academic Freedom and Professional Responsibility Policy](#)

Emergency Procedures

In the case of a drill or real emergency, classes will be notified to evacuate the building by the sound of the fire/emergency alarm system or by a building representative. In the event of a disaster that may interfere with either notification, evacuate as the situation dictates (i.e., in an earthquake when shaking ceases or immediately when a fire is discovered). Turn off computers and take any personal items with you. Elevators should not be used; instead, use the closest stairs.

Course Summary:

Introduction to Course / Syllabus

Acoustics :
Physical Characteristics of Sound
Sound Propagation
Sound Intensity / The Decibel

Assignments:
Group Collaboration
Graded Quiz
Exam #1

External Ear / Middle Ear:

Auricle (Pinna)

External Auditory Canal

Tympanic Membrane

Tympanic Cavity

The Middle Ear Ossicles

The Auditory Tube

The Tympanic Muscles

Transformer Action of the Middle Ear

Assignments:

Extra Credit: Model of the Middle Ear

Graded Quiz

Exam #2

The Inner Ear:

Bony Labyrinth of Cochlea & Vestibule / SSC

Membranous Labyrinth of Cochlea & Vestibule / SSC

Central Auditory System :

Auditory pathways – Afferent & Efferent

Assignments:

Graded Quiz

Exam #3

Anomalies / Disorders:

Anomalies of the Outer Ear

Anomalies of the Middle Ear

Disorders of the Inner Ear

Assignments:

Graded Quiz

FINAL EXAM -Comprehensive exam