

Introduction to Audiology

CSD 402 AUDIOLOGY: The anatomy of the hearing mechanism, the process of hearing, tests for impaired functions of the ear, and rehabilitation of the aurally handicapped. Supervised practice in testing hearing. Prerequisite: CSD 250.

Instructor: Kevin Tripp, Au.D.

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Credit Hours: 3

I. COURSE DESCRIPTION

The purpose of this course is to provide students with information on basic audiological assessments, evaluations, and specific terminology related to the field of audiology. In addition, this course will cover selection and evaluation of assistive devices for individuals with hearing loss.

II. COURSE OBJECTIVES

1. General Knowledge of:

- a. Audiology Terminology
- b. Audiology the Profession
- c. History of Audiology
- d. Anatomy and Physiology of the Ear

2. Knowledge of:

- a. Properties of Sound
- b. Hearing Assessment
- c. Medical Audiology
- d. Electrophysiological Testing of the Auditory System

3. Knowledge of American Disabilities Act as it pertains to hearing loss

4. Knowledge of Selection and Fitting of Assistive Listening Devices and Hearing Aids

III. Course Requirements

This course has been designed to provide a basic understanding of audiology for future speech pathologists and audiologists. Information on various devices, candidacy, habilitative/rehabilitative management and new technologies will be presented. The class requirements include:

- Assigned Readings
- Weekly Assignments
- Quizzes
- Examinations
- Lab Exercises
- Audiology Portfolio

Required Texts:

Introduction to Audiology 10th edition
Martin, F. & Clark, J.
Allyn & Bacon, Needham Heights, MA.

IV. Scoring

Homework: 200 Points Possible

Quizzes: 100 Points Possible

Tests: 300 Points Possible

Labs: 150 Points Possible

Portfolio: 200 Points Possible

Total Points Possible: 950

Grade Scale:

855 – 950 **A**
760 – 854 **B**
665 – 759 **C**
570 – 664 **D**
569 & Below **F**

PLEASE NOTE: No final examination date changes will be allowed unless authorized by the instructor.

ATTENDANCE POLICY: One unexcused absence allowed. (5% reduction in overall grade for each additional unexcused absence.) Quizzes missed due to an unexcused absence or late arrival to class may not be made up. Tests missed due to an EXCUSED absence may be made up. Notification of the excused absence and arrangements for making up the exam need to be discussed with the instructor prior to the time of the test.

CODE OF CONDUCT: Students are to conduct themselves in professional manner. Any cheating/dishonesty by a student will result in the recommendation of an “F” for the course to the Dean of the Department.

****Texting/Use of cell phones is not permitted during class time.**

POLICIES REGARDING ASSIGNMENTS: Assignments are to be turned in to the instructor on time. Late assignments will be penalized 10% for each day that it is late. Unless other arrangements have been made with the instructor, all assignments must be submitted in hard copy – electronic copies thru email will not be accepted. Any assignment consisting of more than 1 page MUST be stapled. Multiple page assignments which are turned in without staples will be penalized 10 points. Homework questions are to be completed in the following format: Type BOTH the question and your answer.

IV: COURSE SCHEDULE

WEEK 1	8-22-11	Chapter 1 (The Profession of Audiology) Course Overview
WEEK 2	8-29-11	Chapter 3 (Sound and Its Measurement) Acoustics Anatomy Introduction
WEEK 3	9-5-11	Chapter 2 (The Human Ear and Simple Tests of Hearing) Anatomy and Physiology of Ear Types and Degree of Hearing Loss Review for Test
WEEK 4	9-12-11	TEST #1
WEEK 5	9-19-11	Chapter 9 (The Middle Ear) Review Anatomy Tympanometry / Tympanometry Lab
WEEK 6	9-26-11	Chapter 4 (Pure Tone Audiometry)

WEEK 7	10-3-11	Chapter 5 (Speech Audiometry) Tympanometry Assignment Due Review for Test
WEEK 8	10-10-11	TEST #2
WEEK 9	10-17-11	Chapter 6 (Beyond Basic Audiometrics) Hearing Screenings Objective Tests of Hearing
WEEK 10	10-24-11	Chapter 8 (The Outer Ear)
WEEK 11	10-31-11	Chapter 10 (The Inner Ear)
WEEK 12	11-7-11	Chapter 11 (Aud. Nerve & Central Auditory Pathways) Audiogram Labs Due Case Study Jamboree
WEEK 13	11-14-11	Chapter 13 (Amplification/Sensory Systems)
WEEK 14	11-21-11	THANKSGIVING BREAK-- NO CLASS
WEEK 15	11-28-11	TBA
WEEK 16	12-5-11	PORTFOLIOS DUE Review for Final
WEEK 17	12-12-11	Final Examination

****NOTICE:** These dates and/or topics may be subject to change according to the instructor's discretion.

This course adheres to university guidelines regarding workload requirements per credit hour

V: Students with Disabilities:

It is the policy of Harding University to accommodate students with disabilities, pursuant to federal and state law. Any student with a disability who needs accommodation, for example, in seating placement or arrangements for examinations, should inform the instructor at the beginning of the course. The dean of the department offering this course is also available to assist with accommodations. Students with disabilities are encouraged to contact Student Support Services for more information about the help that is available.