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* 12th 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.

If you have an excused absence, you will need to submit a Quiz Make-Up form to the instructor. An assignment will be provided to you so that you can make-up for the missed quiz credit.

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 | 8-18-14 | Chapter 1 ( The Profession of Audiology ) |
|        |         | Course Overview |
| WEEK 2 | 8-25-14 | Chapter 3 ( Sound and Its Measurement ) |
|        |         | Acoustics |
|        |         | Anatomy Introduction |
| WEEK 3 | 9-1-14  | 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 | 9-8-14  | TEST #1 |
| WEEK 5 | 9-15-14 | Chapter 9 ( The Middle Ear ) |
|        |         | Review Anatomy |
|        |         | Tympanometry / Tympanometry Lab |
| WEEK 6 | 9-22-14 | Chapter 4 ( Pure Tone Audiometry ) |
WEEK 7  9-29-14  Chapter 5 (Speech Audiometry)  
Tympanometry Assignment Due  
Review for Test  

WEEK 8  10-06-14  TEST #2  

WEEK 9  10-13-14  Chapter 6 (Beyond Basic Audiometrics)  
Hearing Screenings  
Objective Tests of Hearing  

WEEK 10  10-20-14  Chapter 8 (The Outer Ear)  

WEEK 11  10-27-14  Chapter 10 (The Inner Ear)  

WEEK 12  11-03-14  Chapter 11 (Aud. Nerve & Central Auditory Pathways)  
Audiogram Labs Due  
Case Study Jamboree  

WEEK 13  11-10-14  Chapter 13 (Amplification/Sensory Systems)  

WEEK 14  11-17-14  TBA  

WEEK 15  11-24-14  THANKSGIVING BREAK-- NO CLASS  

WEEK 16  12-1-14  PORTFOLIOS DUE  
Review for Final  

WEEK 17  12-8-24  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.
NAME:

DATE OF EXCUSED ABSENCE:

REASON FOR ABSENCE:

EMAIL ADDRESS:

Submit this form to the instructor. A make-up assignment will be emailed to you.