1. Catalog Description
   a) CDS 4350
   b) Introduction to Audiology.
   c) (3-0-3).
   d) F
   e) Intro to Aud
   f) The purpose of this course is to provide an overview of audiologic assessment and associated hearing disorders and to review the necessary hearing science principles.
   g) Admission to the major, CDS 2500 and 2800; or permission of the department chair.
   h) Fall 2003

2. Objectives and Evaluation of the Course
   a) Student Learning Objectives
      • The student can describe characteristics and etiologies of normal and disordered hearing
      • The student demonstrates knowledge and skills necessary for assessment of hearing difficulties and their effect on communication
      • The student demonstrates knowledge and skills related to the prevention and intervention of hearing disorders and their effect on communication
      • The student can describe characteristics and etiologies of normal and disordered social aspects of communication
      • The student will demonstrate a protocol to obtain pure tone audiometry results
      • The student will demonstrate understanding of basic hearing science principles upon which audiological assessment is based.
   b) Instructor will evaluate each student on the course objectives using a nine point rating scale ranging from “No knowledge/skill; requires constant instructor modeling/intervention” to “Mastered knowledge/skill; performed independently; seeks instructor consultation as appropriate”. Students will be evaluated on the basis of quizzes on the readings, written assignments, and course examinations
   c) NA
   d) NA
   e) NA

3. Outline of the Course
   a) The class will meet for thirty 75 minute lectures for 15 weeks or the equivalent.
      Week  Topic
      1     Introduction
            Taking a case history
      2     Review of anatomy
            Sound conduction pathways
      3     Physiology of the middle ear
      4     Pathologies of the middle ear
      5     Physiology of the inner ear
            The active cochlea
      6     Pathologies of the cochlea
      7     Physiology of the neural auditory pathways
      8     Neural pathologies
      9     Pure tone audiometry
            Air conduction testing
4. **Rationale**
   a) The purpose of this course is to develop a knowledge base in the areas of hearing science, audiologic assessment and associated hearing disorders. Students will understand the relationship between pathologies in the auditory system and the type and degree of resultant hearing impairment. Students will also understand and interpret the basic hearing test battery. This course is the first course in hearing required for all communication disorders and sciences majors. The course is needed to fulfill the requirements for certification by the American Speech-Language-Hearing Association, for licensure by the Illinois Department of Professional Regulation, and for teacher certification by the Illinois State Board of Education.

   b) This course is taught at the senior level to prepare students to conduct hearing assessment and interpret audiologic reports as they initiate practicum at the senior and graduate levels. Prerequisites include CDS 2500 Anatomy and Physiology of the Speech, Language, Swallowing, and Hearing Mechanism and CDS 2800 Speech Science.

   c) This course replaces CDS 3300 and will not have an effect on other programs. Course will be taught at the senior level due to the level of content and to allow adequate background knowledge in communication disorders.

   d) This course is a requirement for the undergraduate CDS major.

5. **Implementation**
   a) The course will be assigned to a CDS faculty member with credentials in audiology. Initially the course will be taught by Jeff Larsen.

   b) No additional charges.


6. **Community College Transfer:** NA

7. **Date approved by the department:** 1-28-03

8. **Date approved by the college curriculum committee** 2-21-03

9. **Date approved by CAA** 3-20-03