

# AUD - Audiology

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## Audiology: AUD

### Lower-Division Courses

### Upper-Division Courses

### Graduate Courses

### Professional Courses

#### **AUD 381P. Auditory Processing Disorders.**

Examine the assessment and treatment of disorders of the central auditory nervous system in children and adults. Three lecture hours a week for one semester. Only one of the following may be counted: Audiology 381P, Communication Sciences and Disorders 381P, 396D, and Speech, Language, and Hearing Sciences 381P, 396D. Prerequisite: Graduate standing.

#### **AUD 383P. Surgically Implanted Auditory Prostheses.**

Explore the theory behind implantable auditory technology and application. Learn to determine implant candidacy and outcomes of implantable devices. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 383P, 396G, Speech, Language, and Hearing Sciences 383P, Audiology 383P. Prerequisite: Graduate standing.

#### **AUD 383S. Applications of Surgically Implanted Auditory Prostheses.**

Learn clinically applied skills in implantable auditory devices such as programming and assessing patient outcomes. Three lecture hours a week for one semester. Prerequisite: Graduate standing.

#### **AUD 388P. Basic Clinical Practicum in Audiology.**

Restricted to students in the Doctor of Audiology program. Examine the basic foundations of practice in clinical audiology. One lecture hour and nine practicum hours a week for one semester. May be repeated for credit. Prerequisite: Graduate standing.

#### **AUD 389P. Intermediate Clinical Practicum in Audiology.**

Restricted to students in the Doctor of Audiology program. Examine the intermediate methods and experiential learning in an immersive clinical audiology setting. One lecture hour and nine practicum hours a week for one semester. May be repeated for credit. Prerequisite: Graduate standing.

#### **AUD 390Q. Business Applications.**

Examine issues associated with the development, operation, and management of businesses devoted to service delivery in audiology and speech-language pathology. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 190J, 390J, 190Q, 390Q, Speech, Language, and Hearing Sciences 190Q, 390Q, Audiology 390Q. Prerequisite: Graduate standing.

#### **AUD 391P. Anatomy and Physiology of the Auditory System.**

Explore the structure and function of the auditory system, including hearing and balance mechanisms. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 391P, 391Q, and Speech, Language, and Hearing Sciences 391P, 391Q, Audiology 391P. Prerequisite: Graduate standing.

#### **AUD 392C. Counseling.**

Examine both speech-language pathology and audiology counseling roles when implementing patient-centered and family-centered care

in a variety of settings. Two lecture hours and one-and-one-half laboratory hours a week for one semester. Only one of the following may be counted: Communication Science and Disorders 392C, 392Q, Speech, Language, and Hearing Sciences 392C, 392Q, Audiology 392C. Prerequisite: Graduate standing.

#### **AUD 394E. Auditory Electrophysiology.**

Review the auditory nervous system and evaluate electrodermal, electroencephalographic, and electrocardiographic audiometry in depth. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 394E, 394G, and Speech, Language, and Hearing Sciences 394E, 394G, Audiology 394E. Prerequisite: Graduate standing.

#### **AUD 394J. Auditory Perception.**

Examine an overview of theories and research findings related to human auditory perception and recognition including acoustic characteristics of speech categorical perception, sound localization, and pitch and loudness perception. Three lecture hours a week for one semester. Prerequisite: Graduate standing.

#### **AUD 394K. Aural Habilitation.**

Examine both the pediatric and educational audiologist's roles when working with hard of hearing or deaf children and their families. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 394K (Topic 1), Speech, Language, and Hearing Sciences 394K, Audiology 394K. Prerequisite: Graduate standing.

#### **AUD 394P. Amplifying Systems in Aural Rehabilitation.**

Examine principles of hearing aid circuitry and looped systems; ear molds and acoustic properties thereof; electroacoustic properties of hearing aids and selection procedures. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 394C, 394P, Speech, Language, and Hearing Sciences 394C, 394P, Audiology 394P. Prerequisite: Graduate standing.

#### **AUD 394S. Medical Audiology.**

Explore audiologic implications of pathology and medical and/or surgical treatment of the ear; otologic diagnoses. Three lecture hours a week for one semester. Only one of the following may be counted: Audiology 394S, Communication Sciences and Disorders 394F, 394S, Speech, Language, and Hearing Sciences 394S. Prerequisite: Graduate standing.

#### **AUD 394T. Topics in Audiology.**

Apply advanced clinical skills in Audiology for challenging disorders such as tinnitus, decreased sound tolerance, and auditory dysfunction in normal hearing. Three lecture hours a week for one semester. May be repeated for credit when the topics vary. Prerequisite: Graduate standing.

#### **AUD 395Q. Pediatric Audiology.**

Explore current methods of testing the hearing of young children, including identification, electrophysiological and operant audiometry, and medical aspects of hearing loss in children. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 395, 395Q, Speech, Language, and Hearing Sciences 395Q, Audiology 395Q. Prerequisite: Graduate standing.

#### **AUD 396H. Vestibular Sciences I.**

Explore vestibular anatomy and physiology, including vestibular dysfunction in congenital and adult disorders. Three lecture hours a week for one semester. Prerequisite: Graduate standing.

**AUD 396J. Vestibular Sciences II.**

Learn and apply vestibular diagnostic techniques designed to assess peripheral through central vestibular function. Three lecture hours a week for one semester Prerequisite: Graduate standing and Audiology 396H (Speech, Language, and Hearing Sciences 396H).

**AUD 396P. Signals and Systems in Hearing and Speech.**

Explore electrophysiological and electroacoustic procedures in the study of communication behaviors. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 396M, 396P, and Speech, Language, and Hearing Sciences 396M, 396P, Audiology 396P. Prerequisite: Graduate standing.

**AUD 396Q. Advanced Amplifying Systems.**

Explore the fitting of amplification systems in various clinical populations, with a main focus on pediatric amplification followed by complex amplification cases across the lifespan. Three lecture hours a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 396C, 396Q, and Speech, Language, and Hearing Sciences 396C, 396Q, Audiology 396Q. Prerequisite: Graduate standing.

**AUD 397, 697, 997. Clinical Externship in Audiology.**

Restricted to students in the Doctor of Audiology program. Engage in an intensive clinical experience in a professional setting. For each semester hour of credit earned, one lecture hour a week for one semester; some practicums require up to thirty-nine hours of fieldwork a week for one semester. May be repeated for credit. Offered on the credit/no credit basis only. Prerequisite: Graduate standing and consent of instructor.

**AUD 198. Audiology Research Practicum.**

Conduct research under the mentorship of an Audiology Faculty member. Present a prospectus at the end of the second year to faculty and peers. Present findings to faculty/peers and present at conference and/or submission for publication at the end of the third year. One lecture hour a week for one semester. May be repeated for credit. Prerequisite: Graduate Standing.

**AUD 398Q. Research Project in Audiology.**

Learn about conducting a research study and how to design a study. Read and integrate relevant literature and develop hypotheses and research plan. Identify a mentor for the Audiology Research Practicum. For each semester hour of credit earned, the equivalent of one lecture hour a week for one semester. Only one of the following may be counted: Communication Sciences and Disorders 398P, 398Q, Speech, Language, and Hearing Science 398Q, Audiology 398Q. Prerequisite: Graduate standing.