I. Course Description:
Study of the anatomy of hearing and diagnostic techniques to determine hearing loss.

Text (Optional)

II. Intended Learning Outcomes/Goals/Objectives:

This course reflects the following core values of the College of Education:
- Academic excellence through critical, reflective, and creative thinking
- Life-long learning
- Collaboration and shared decision-making
- Openness to new ideas, to culturally diverse people, and to innovation and change
- Integrity, responsibility, diligence, and ethical behavior
- Service that enriches the community.

This course also supports the mission of the Pre-Audiology and Speech-Language Pathology Programs.

This course addresses the following standard(s) of the Council for Clinical Certification of the American Speech-Language-Hearing Association:

**Standard III-C.** The applicant must demonstrate knowledge of the nature of speech, language, hearing, and communication disorders and differences and swallowing disorders, including their etiologies, characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates.

**Standard III-D.** The applicant must possess knowledge of the principles and methods of prevention, assessment, and intervention for people with communication and swallowing disorders, including consideration of anatomical/physiological, psychological, developmental, and linguistic and cultural correlates of the disorder.

**Standard IV-G.** The applicant for certification must complete a program of study that includes supervised clinical experiences sufficient in breadth and depth to achieve the following skills outcomes (in addition to clinical experiences, skills may be demonstrated through successful performance on
academic course work and examinations, independent projects, or other appropriate alternative methods): 1. Evaluation (must include all skill outcomes for each of the nine major areas) and 2. Intervention (must include all skill outcomes for each of the nine major areas).

This course is designed to familiarize the student with the field of audiology and KASA standards which are addressed in parentheses and includes the study of:
1. Sound
2. Hearing, anatomy and physiology
3. Hearing Disorders
4. Hearing, measurement of
5. Hearing loss, measurement of
6. Hearing loss, differential diagnosis of
7. Hearing loss, medical treatment of
8. Hearing loss, prevention of
9. Hearing loss, habilitation and rehabilitation

III. Course Assignments, Activities, Instructional Strategies, use of Technology:

<table>
<thead>
<tr>
<th>Synchronous Sessions</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Date</td>
<td>Topic</td>
</tr>
<tr>
<td>October 19</td>
<td>Audiology Profession</td>
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<tr>
<td>October 26</td>
<td>Sound and Measurement</td>
</tr>
<tr>
<td>November 2</td>
<td>The Inner Ear, Auditory Nerve, and Central Auditory Pathway</td>
</tr>
<tr>
<td>November 9</td>
<td>Midterm Exam</td>
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<td>November 16</td>
<td>Hearing Loss, Audiometry, Threshold Seeking, Masking</td>
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<td>November 30</td>
<td>Balance Disorders, Tinnitus, Hyperacusis, Deaf Culture</td>
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<tr>
<td>December 7</td>
<td>Final Exam</td>
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<td>Reflection Due</td>
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<table>
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<th>Asynchronous Sessions</th>
<th>Topic</th>
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<tr>
<td>Date (completed by)</td>
<td>Topic</td>
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<tr>
<td>October 30</td>
<td>The Outer and Middle Ear</td>
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<td>November 6</td>
<td>Midterm Review</td>
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<tr>
<td>November 13</td>
<td>OAEs, Immittance, Electrophysiology</td>
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<td>November 20</td>
<td>Speech Audiometry, Pediatric Hearing Loss and Assessment; Amplification</td>
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<td>December 4</td>
<td>Final Review</td>
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<td>Lab Assignment Due</td>
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IV. Evaluation and Grading

- 30%  Midterm Exam
- 30%  Comprehensive Final Exam
- 20%  Lab Assignment
- 10%  Forum Posts
- 5%   Reflection
- 5%   Attendance

Examinations

Midterm and final exams will consist of multiple choice and fill-in-the-blank questions. Exams will be completed online through Brightspace.

Lab Assignment

Students will use the Counselear audiometer simulator located at [https://www.counselear.com/Controls/Pages/Public/index.aspx?page=Simulator/Audiometer](https://www.counselear.com/Controls/Pages/Public/index.aspx?page=Simulator/Audiometer) to generate an audiogram for each of the following types of losses:
- Sensorineural
- Conductive
- Mixed

Once you have created an audiogram, screenshot the page and place it into a Word document.

On the Word document, include the following:
- One potential cause of each type of loss.
- One potential treatment for each type of loss.

Lab Assignment must be submitted by 6:00 pm on December 4, 2020 to receive full credit.

Forum Posts

Each week, a video, article, or case study will be posted to the forum in Brightspace. Students must respond to the prompt itself, or thoughtfully to a fellow student’s post. Posts must be a minimum of 50 words.

Reflection

Students will select a topic related to hearing to discuss in an informal reflection paper. Areas of reflection include, but are not limited to:

- How this topic is important knowledge for a speech-language pathologist
- Additional information from outside resources (please cite references)
- Personal feelings about this subject (i.e., agree, disagree, etc.)
- Personal experiences with this subject
- Speech Pathologist and Audiologist collaboration on this subject/issue
Reflections must be a **minimum of 500 words** and submitted by **6:00 pm on December 7, 2020** to receive full credit.

**Grading**

- **A**: 89.5-100 (exceptional)
- **B**: 79.5-89.49 (good)
- **C**: 69.5-79.49 (minimally acceptable)
- **D**: 59.5-69.49 (poor, not acceptable as credit toward graduate degree)
- **F**: 00.0-59.49 (no credit)

**V. Course Evaluations:**

Near the conclusion of each semester, students in the College of Education electronically evaluate courses taken within the COE. Evaluation data is used for a variety of important purposes including: 1. Course and program improvement, planning, and accreditation; 2. Instruction evaluation purposes; and 3. Making decisions on faculty tenure, promotion, pay, and retention. As you evaluate this course, please be thoughtful, thorough, and accurate in completing the evaluation. Please know that the COE faculty is committed to excellence in teaching and continued improvement. Therefore, your response is critical!

In the College of Education, the course evaluation process has been simplified and is completed electronically through MySFA. **Although the instructor will be able to view the names of students who complete the survey, all ratings and comments are confidential and anonymous, and will not be available to the instructor until after final grades are posted.**

**VI. Student Ethics and Other Policy Information:**

**Attendance:**
- Students are highly encouraged to attend each lecture, as information from class lectures will appear on the examinations.
- Students will be responsible for obtaining lecture material from a classmate should they miss a lecture.
- Potential conflicts with examination and presentation dates must be discussed with the instructor in the first week of class.

**Students with Disabilities**—To obtain disability related accommodations and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, Room 325, (936) 468-3004/ (936) 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided.

**Academic Honesty**—It is the policy of Stephen F. Austin State University that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. (see Academic Integrity A-9.1)