Instructor: Wende Yellin, Ph.D.
Office: CHHS Room 309
Telephone: 523-7432
E-mail: Wende.Yellin@nau.edu
Time: Tuesdays and Thursdays
9:35 AM - 10:50 AM
Class Room: CHHS Room 316
Office Hours: Tuesday and Thursday: 11:00 AM - 12:00 PM, or by appointment

Course prerequisites
None

Course description
Introduction to normal hearing processes, focusing on the anatomy and physiology of the auditory system, acoustics of sound, and psychoacoustics.

Learner Outcomes
You will be able to:
- describe the basic physical attributes of sound. (Standard III-A)
- describe simple physical systems used in the processing of sound. (Standard III-A)
- describe the anatomy and physiology of the peripheral auditory system. (Standard III-A, Standard III-B)
- describe ways in which simple sounds are processed by the peripheral auditory system. (Standard III-A, Standard III-B)
- describe processes that influence the human perception of sound. (Standard III-B)

Standards
Standard III-A
The applicant must have prerequisite knowledge of the biological sciences, physical sciences, mathematics, and the social/behavioral sciences. Knowledge will be conveyed through written class lecture, readings, and web-site readings and interactions. Acquisition will be demonstrated through class discussion, assignments, and tests.

Standard III-B
The applicant must demonstrate knowledge of basic human communication and swallowing processes, including their biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases. Knowledge will be conveyed through written class lecture, readings, and web-site readings and interactions. Acquisition will be demonstrated through class discussion, assignments, and tests.

Outcome Measures
1. Achieving 60% or better on tests of clinical knowledge.
2. Achieving 60% or better on class assignments of clinical knowledge.
3. Satisfactory completion of clinical labs under the professor’s supervision.
Course Structure/Approach
The course will generally involve lecture presentation in the classroom and/or on Blackboard Learn. Concepts will be emphasized during class discussion and assignments.

Text

Readings
All topics will be covered by lectures in the classroom, by lectures shown on Blackboard Learn, and by readings from the course text. Emphasis will be placed on information discussed in class. You will be responsible for any outside readings assigned in class.

Lectures
Each topic will be presented in a Course Module, and lectures will be presented either in the classroom, on Blackboard Learn, or both. Lectures will be supplemented by Power Point presentations. Power Point slides may be downloaded for your use by entering Blackboard Learn at https://bblearn.nau.edu. Enter SST 376, and click Course Content; click on the appropriate Module, and find “Power Points”. The slides are for your use; you are not required to download them.

Evaluation Method
All evaluations will emphasize information covered through the classroom and internet lectures. Grades will be based on the average of 3 exams (20% each); a Final Examination (20%); and labs, assignments and class participation (20%). Letter grades will be assigned as follows:

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100%</td>
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<tr>
<td>B</td>
<td>80-89%</td>
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<tr>
<td>C</td>
<td>70-79%</td>
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<tr>
<td>D</td>
<td>60-69%</td>
</tr>
<tr>
<td>F</td>
<td>Below 60%</td>
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</tbody>
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Examinations: Exams will cover all material presented up to the time of the exam, but will emphasize material covered within the unit being studied. Material being evaluated for each exam is as follows:

- **Exam 1:** Acoustics: Modules 1-4
- **Exam 2:** Anatomy and Physiology: Modules 5-6
- **Exam 3:** Anatomy and Physiology: Modules 7-8; Introduction to Neural Anatomy and Physiology
- **Exam 4:** Psychoacoustics: Modules 9-12

The format of the tests is multiple choice, matching, fill-in-the-blank, and short answer. Exams will be given through Blackboard Learn. Each exam will be available for three (3) days; you may take the exam any time during the three day period. Once you open the exam, you will have two (2) hours in which to complete the exam. Once the exam is submitted you may not reopen it. You will only be able to take the exam one time, i.e. this course does not allow multiple attempts. Each exam is to be taken by each student individually abiding by the NAU Academic Code of Integrity (see attached). If cheating is suspected or confirmed, evaluation methods will be modified.

Final Examination: The Final Examination will cover all material presented during the semester, with an emphasis on the Psychoacoustics unit. Format will be multiple choice,
matching, fill-in-the-blank, and short answer. The Final Exam must be taken during the specified Finals Exam time - a makeup Final Exam will not be available. If you miss the Final Exam, you will earn a failing grade (F) as your semester grade.

Assignments: Assignments will be made throughout the semester to evaluate your knowledge of the material covered in class. The format of these assignments will be multiple choice, matching, short answer, and/or essay. Assignments are available through Blackboard Learn. You may work on the assignment as long as it is available; there are no time constraints. However, once the assignment is submitted, it cannot be retrieved. Assignments may also be handed out during class. The due date will be indicated for all assignments. Any assignment turned in late will automatically have 15 points deducted from the grade. If an assignment is not turned in by the time it is returned to class, the grade will automatically be zero (0), and the assignment cannot be made up.

Discussion Questions: A list of study questions can be found in each learning module. The file is entitled "Study Questions". These questions should guide your studies for the test. If you are unable to find an answer to a question, or if you don’t understand a question, you are encouraged to bring up the question in class or meet with me during my Office Hours. It is recommended that students create study groups to answer the questions provided.

Course Evaluation/Extra Credit: At the end of the semester, you will be asked through webmail to complete an on-line course evaluation. Please complete the evaluation, and submit the last page which says "thank you for completing the evaluation". Five (5) points will be added to one of your test grades for completing the evaluation. The Course Evaluation and proof of completing the Course Evaluation must be completed and turned in by Wednesday, December 12th to receive extra credit.

Course Policies
Lectures: As indicated above, lectures will be presented in class, through Blackboard Learn, or a combination of class and Blackboard Learn. On certain days, class will not be held and you will be expected to read the assigned lecture on Blackboard Learn. You are expected to review the Discussion Questions listed in Blackboard Learn associated with the lecture, and are encouraged to ask questions in class to verify your understanding of the material.

Attendance: You are expected to attend every scheduled class. Do not schedule any appointments or commit to any outside activities, personal or professional, during class time. Attendance will be taken at unannounced times throughout the semester. If you are in class when attendance is taken, you will earn 100% for class participation on that date. If you are not in class when attendance is taken, you will receive a zero (0) for class participation on that date. If you are late to class, you will not receive a grade for that class.

Personal illness: While class attendance is required per the above stated policy, please be cautious about attending class if you are feeling ill. Please inform me by phone or e-mail if you are ill. If you are experiencing flu-like symptoms, you should not attend class. Please take precautions not to infect others, and seek medical attention if your symptoms worsen.

Tardiness: Tardiness is disruptive to classroom education and will not be tolerated. The classroom door will be closed 5 minutes after class begins. You are not to enter once the door is closed.

Inclement Weather procedures: If you wake up and see snow on the ground, do not assume class is cancelled. Check the radio or the NAU communication page to determine if
classes have been cancelled by the school. If classes have not been cancelled, but you are wondering if SST 376 has been cancelled, log onto the SST 376 Blackboard Learn site. An “Announcement” will be posted to inform you of any class cancellation.

Absences: If you are unable to attend class, you are responsible for getting the material you missed and arranging to make-up any class work, labs, or assignments. Any work turned in late will automatically have 15 points deducted from the grade. If an assignment is not turned in by the time it is returned to class, the grade will automatically be zero (0). If you miss a lab, you will need to discuss a make-up date with me, and a date will be arranged that is convenient for both of us; 15 “late” points will be deducted from your lab grade. If you miss the make-up lab and do not make it up, you will receive a zero (0) for the lab. You will have two weeks in which to make up the lab.

Any test missed will be made up during the last week of class and 15 points will automatically be deducted from the total score. The make-up test will be cumulative, which means it will include all material covered over the entire semester. The make-up exam will be primarily short answer and essay. If you miss more than one test, your grade on the make-up test will be substituted for all tests missed.

Classroom Etiquette:
• All cell phones are to be turned off and placed in your backpack, book bag, etc., during class. You may not put your phone in the “vibrate” mode.
• Laptop computers may be used to take notes. If it is determined a laptop is on but not being used for class participation, laptop privileges will be terminated for the entire class.

Communication
If you ever need to meet with me outside of class, please be aware of my office hours: Tuesday and Thursday from 11 AM – 12 PM. If you are not available at this time, please contact me so we can arrange an appointment at an agreeable time.

Please feel free to contact me by e-mail using <Wende.Yellin@nau.edu>. Keep in mind that I am your professor and expect to be treated with respect in your e-mails. I, in turn, will respond to you with respect. Guidelines to be followed when writing your e-mail include using an appropriate subject line, greeting, and salutation, and proofreading your e-mail before sending it.

You may also contact me by telephone. My office phone number is 928-523-7432.

Student Work Responsibility
You are responsible for completing all work, including assignments, discussions and tests. If you should encounter problems that interfere with or potentially interfere with your ability to fulfill the course requirements, please notify me as soon as possible. While I do not necessarily need to know the details of the problems, you should at least identify a "generic" contributor to the problem (e.g. health, finances, living situation, personal, etc.). In that same email, please provide three possible meeting times to meet with me to discuss the matter further. I will confirm one of the suggested meeting times by return email. If you do not feel comfortable discussing your situation with me, contact Student Support Services at http://home.nau.edu/edsup/sss/ or 523-6980. Please do not wait until the conclusion of the semester to explain any interruptions and/or disruptions to your studies.
NAU Student Handbook
To become familiar with NAU rules and regulations. and NAU policies, it is recommended that you read the **NAU Student Handbook**. It is available at [http://home.nau.edu/studentlife/handbook.asp](http://home.nau.edu/studentlife/handbook.asp).
Code of Academic Integrity

ACADEMIC DISHONESTY is a form of misconduct that is subject to disciplinary action under the Student Code of Conduct and includes the following: cheating, fabrication, fraud, facilitating academic dishonesty and plagiarism.

- Plagiarism: any attempt to pass off other's work as your own
- Cheating: any attempt to gain an unfair, hidden advantage over one's fellow students
- Fabrication: any attempt to present information that is not true
- Fraud: any attempt to deceive an instructor or administrative officer of the university

Students engaging in activity meeting the definition of academic dishonesty are subject to one of the penalties listed below. As the faculty member, I reserve the right to assign the penalty based upon my perception of the severity of the offense.

- Assign the student extra course work.
- Require the assignment or examination to be repeated.
- Reduce the grade on the assignment or examination.
- Award zero grade on the assignment or examination.
- Require the student to drop the course.
- Award a failing grade in the course.

The complete Academic Dishonesty policy may be found at the following URL: http://www4.nau.edu/stulife/StudentHandbook/Appendix_G_AcademicDishonesty.htm

Other University Policies

Other University Policies and their web sites are as follows:
- Safe Working and Learning Environment: http://home.nau.edu/diversity/
- Students with Disabilities: dr@nau.edu