Laboratory in Advanced Audiologic Evaluation
589L (1 credit) Fall, 2014

Day/Time: Monday 8-10 am    Location: Room 107
Instructor: Stephanie Adamovich Ph.D.,
Office: 405E; phone: 621-0380; Email: sladamovich@email.arizona.edu;
Office Hours: Email for appointment, but if my door is open, you can come in

Course Objectives: The purpose of this laboratory is to develop skills coincident with the knowledge areas presented in SLHS 589R, Advanced Audiologic Evaluation. Each skill will be evaluated by performance on laboratory assignments. The final practicum examination will probe selected skill areas. Mastery of the specific skills listed in this syllabus is expected at the 90% level. Remedial activities will be provided until skill level is at this level of performance as evaluated by completion of laboratory activities and the final practicum examination. See "Learner Outcomes" below.

Learning Outcomes: Upon completion of this lab experience, students will be able to:
1. Perform a listening check to determine correct operation and set up of audiometer and components.
2. Describe the procedure for calibrating insert earphones and supra-aural earphones using sound level meter.
3. Know how to access audiometric software and understand the functions of all buttons and controls on the audiometers used in the clinic (i.e., if asked, “What does THAT do?”, you should be able to answer the question)
4. Demonstrate ability to safely perform otoscopy and video-otoscopy
5. Demonstrate correct procedure for inserting/placing various transducers (inserts, headphones, bone)
6. Demonstrate ability to instruct the patient for pure-tone air conduction, bone conduction and speech audiometry, masked and unmasked.
7. Arrange settings for performing pure-tone air-conduction and bone-conduction testing.
9. Arrange settings for speech audiometry using both monitored live voice and recorded materials.
10. Arrange settings to send signals through the loudspeaker.
11. Use the modified Hughson-Westlake procedure to obtain valid pure-tone air-conduction and bone-conduction thresholds.
12. Obtain a valid speech recognition threshold using recorded and monitored-live voice material.
13. Perform a test of word-recognition ability and justify choice of presentation levels and materials
14. Demonstrate ability to record test results correctly (i.e., know all of the symbols) on an audiological test record.
15. Demonstrate ability to obtain case history and to counsel patient regarding test results

These learner outcomes are in accordance with ASHA Knowledge and Skill areas: A9, A10, A13, A14, A21, A22, A24, A25, C2, C3, C4, C5, C7, C9, C10, see http://www.asha.org/Certification/2012-Audiology-Certification-Standards/#Standard IV for description of specific standards.

Grading: Grades will be based upon performance on laboratory assignments and on the final practicum examination. Outcomes will be assessed through grading of laboratory assignments and direct assessment of skills. Grades will be based upon a percentage of the total points, (i.e., 90-100% = A; 80-89% = B; 70-79% = C, etc.) There will be 1 quiz, 1 homework assignment, up to 12 labs that require a written lab report and one practical proficiency exam

Syllabus Quiz (x1) = 10 points
Homework (x1) = 10 points
Lab Assignments (40 points each) x 12 = 480 points
Laboratory Practicum = 100 points

Total: 600 points

Re-grading of lab assignments may be allowed on an individual basis for first 2 labs only. Pre-approval must be obtained first and assignments for re-grading must be resubmitted to D2L within 5 days after lab initially graded.

Final Exam: There is no final exam for this Lab during the official final exam period. There will be an individual and pre-scheduled final practical skills evaluation during the last one to two weeks of class.
No textbook is required for this course. Notes specific to each laboratory exercise will be posted on the class D2L website.

D2L: This lab will be using D2L on a regular basis. All lab instructions, worksheets, rubrics, and other assignments are posted on D2L. In addition, announcements pertaining to the class will be posted on D2L. If you have difficulty accessing the D2L site, please contact IT Services for students.

Policies:
1. **Attendance**: This is a graduate career preparation course, and class attendance and participation are expected. As a professional responsibility, you must notify Dr. Adamovich if you are unable to attend class.
   
   If you miss class material, then it is your responsibility to obtain the information from your classmates.
   
   - All holidays or special events observed by organized religions will be honored for those students who show affiliation with that particular religion.
   
   - Absences pre-approved by the UA Dean of Students (or Dean’s designee) will be honored.

2. **Academic Integrity**: Students are expected to adhere to the UA Code of Academic Integrity as described in the UA General Catalog. See: [http://deanofstudents.arizona.edu/codeofacademicintegrity/](http://deanofstudents.arizona.edu/codeofacademicintegrity/).

3. **Accessibility and Accommodations**: It is the University’s goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, please let me know immediately so that we can discuss options. You are also welcome to contact Disability Resources (520-621-3268) to establish reasonable accommodations.

4. **Behavior**: The University seeks to promote a safe environment where students and employees may participate in the educational process without compromising their health, safety or welfare. The Arizona Board of Regents’ Student Code of Conduct, ABOR Policy 5-308, prohibits threats of physical harm to any member of the University community, including to one’s self. Threatening behavior can harm and disrupt the University, its community and its families. See: [http://policy.web.arizona.edu/threatening-behavior-students](http://policy.web.arizona.edu/threatening-behavior-students)

5. **Student Records are Confidential.** See: [http://www.registrar.arizona.edu/ferpa/default.htm](http://www.registrar.arizona.edu/ferpa/default.htm)

**Laboratory Schedule:** Labs are due within 1 week after lab session. All assignments must be turned in by the due dates listed. For each day past the due date, 10% of the points (4 points) will be deducted from your score.

<table>
<thead>
<tr>
<th>Date</th>
<th>Lab #</th>
<th>Topic</th>
<th>Submit on D2L by due date</th>
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<tbody>
<tr>
<td>25-Aug</td>
<td>Lab 1</td>
<td>Orientation to lab</td>
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<tr>
<td>1-Sep</td>
<td>Lab 2</td>
<td>Labor Day No Class Wires, Cords, Cables and Connectors homework</td>
<td>8-Sep</td>
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<td>8-Sep</td>
<td>Lab 3</td>
<td>Case History</td>
<td>15-Sep</td>
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<td>15-Sep</td>
<td>Lab 4</td>
<td>Otoscopy and video-otoscopy</td>
<td>22-Sep</td>
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<td>22-Sep</td>
<td>Lab 5</td>
<td>Immittance-Tympanometry</td>
<td>29-Sep</td>
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<td>29-Sep</td>
<td>Lab 6</td>
<td>Audiometer Calibration/Listening Check/sound level meters</td>
<td>6-Oct</td>
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<td>6-Oct</td>
<td>Lab 7</td>
<td>Air conduction-adult</td>
<td>13-Oct</td>
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<td>13-Oct</td>
<td>Lab 8</td>
<td>Bone conduction</td>
<td>20-Oct</td>
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<td>20-Oct</td>
<td>Lab 9</td>
<td>Masking</td>
<td>27-Oct</td>
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<td>27-Oct</td>
<td>Lab 10</td>
<td>Speech audiometry</td>
<td>3-Nov</td>
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<td>Lab 11</td>
<td>Advanced Speech audiometry</td>
<td>10-Nov</td>
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<td>10-Nov</td>
<td>Lab 12</td>
<td>Advanced Immittance Measures-Reflexes, Decay</td>
<td>17-Nov</td>
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<td>17-Nov</td>
<td>Lab 13</td>
<td>Advanced Immittance Measures 2-Reflectometry</td>
<td>24-Nov</td>
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<td>24-Nov</td>
<td>Lab 14</td>
<td>Special Tests: OAEs</td>
<td>1-Dec</td>
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<td>1-Dec</td>
<td>Lab 15</td>
<td>Lab Practical Proficiency Exam Practice</td>
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<td>8-Dec</td>
<td>Lab 16</td>
<td>Lab Practical Proficiency Exam</td>
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The information contained in the course syllabus, other than the grade and absence policies, may be subject to change with reasonable advance notice, as deemed appropriate by the instructor.