COURSE SYLLABUS
DIAGNOSTIC AUDIOLOGY I
AUD 705 (Fall 2012)

Instructor: Steven J. Kramer, PhD  Phone: 594-6140
Office: SLHS 234  Email: skramer@mail.sdsu.edu
Office Hrs: Mon 2:00-4:00, Wed 9:00-11:00
Other times available by appointment

TEXT AND MATERIALS:
(Required): Use of the Blackboard site for course related materials and assignments. To access
Blackboard go to http://blackboard.sdsu.edu.
(Optional): Audiology Workbook by Steven Kramer and Lesli Guthrie (2008) and/or other
textbooks and materials that you want to seek out to help you learn the material

GOALS (See also Behaviorally-Defined Objectives/Outcomes at end of syllabus):
This course is designed to provide you with academic foundation and orientation to audiologic tests
that will prepare you for your clinical experiences, especially during your first year. This class will
cover basic audiometric tests and their underlying principles and evidence-based practice. You will
begin to become skilled at interpreting test results and integrating evidence so that you can form a
diagnostic impression. You will also be introduced to some common hearing disorders.

CLASS FORMAT:
Class format will consist of lectures, demonstrations, and structured-discussions. Most weeks there
will be a short quiz (10-15 minutes) on material that was previously covered (see schedule). The
textbook readings will supplement the lectures and provide a reference to facilitate your understanding
of the lecture material. Some class time will be devoted to demonstrations and hands-on experiences.
This class is coordinated with the Clinical Methods Lab (696) course, in which you will spend some
time practicing some of these basic audiometric tests.

REQUIREMENTS: SEE SCHEDULE FOR WHEN ASSIGNMENTS ARE DUE!
Note: Any assignment turned in late will lose 30% of its possible points. Missed assignments will
only be allowed with signed physician’s excuse and must be made-up for any credit.

- **Quizzes:** There will be 5 quizzes (10-15 minutes) that will sample your knowledge of
  information covered during previous weeks (could be cumulative!). A list of study questions
  will be posted on Blackboard each week (usually by Wednesday morning) to help you prepare.
  All quizzes will be given at the beginning of class and will end on time (even if you are late to
class!).

- **Simulator Cases:** There will be 5 simulator audiograms to complete (using AuDClin software
  on the computers in the Instructional Lab--SLHS Rm 147) to give you some practice with
  audiometric procedures, including some cases with masking. You should work independently
  on these cases for maximum learning. Please hand-plot the simulator threshold data on the
  audiograms that are provided in the Instructional Lab, i.e., do not use the print feature of the
  simulator.

- **Homework Assignments:** There will be 4 homework assignments to complete. You may
  work in small groups; however, each must turn in their own assignment.
• **Oral Report**: You will each give an oral presentation on as assigned auditory disorder to the class (25-30 minute presentation). Assignments and details will be discussed and posted later in the semester.

• **Exams**: Exam I: 2.5 hour written exam.
  Exam II: 2.5 hour written cumulative exam (plus simulator).
  Final Exam: 2 hour written cumulative exam

**GRADES**:  
Grades will be based on 460 points from 5 quizzes (10 points each), 5 simulator cases (2 points each), 5 homework assignments (10 points each), oral presentation (50 points), Exam I (100 pts), Exam II (100 pts), Final Exam (100 points). Grades will be assigned on a percentage scale, including +/-, e.g.,  
>93%=A; 90-92%=A-; 88-89%=B+;...

**REMEDIATION OPTIONS (should be consistent for all your classes)**:  
In order to meet the criteria for demonstrating competencies for this class, especially for the specific ASHA standards (for CCC-A), the student must earn a course grade of C+ (78%) or better AND > 78% for each type of assignment (as determined by instructor for each course). If a student earns an overall course grade less than 73%, they will receive the grade earned and are not eligible for remediation. If the student earns 73-77% as an overall course grade or in any of the below areas, he/she must remediate by doing one or more of the following as determined by instructor, before the end of the second week of the subsequent semester.

• Repeat homework assignment (s)  
• Presentation of topic to instructor  
• Repeat one or more of the exams

Successful remediation can improve the student’s grade to a maximum of 78% (C+). For a student who is to remediate, the course instructor will submit a grade of Incomplete (I). Upon successful remediation, the instructor will submit a grade change (removal of Incomplete) for the course (up to C+).

**OTHER INFORMATION**  
**Use of cell phones, recorders, and computers in class**: I try to have a flexible and open policy on use of electronic devices; however, please put your cell phones on silent mode and only use the phone for emergencies. **Do not text or email each other during class** (this is very annoying). Searching the internet, chatting, twittering, face-booking, etc are also not to be done during class. During exams, only hand-held stand-alone calculators are to be used (e.g., no computer or cell phone use during exams).

**Special Adaptations**: The University has a variety of services to enable you to succeed in your program. If you need additional time for examinations, or other assistance with this class, please see the instructor or directly contact the Office of Student Disability Services (SDS), which is the campus office responsible for determining and providing required academic accommodations for student with special needs.

**Escort Program**: The Department of Public Safety provides escorts, free of charge, seven days per week, 24 hours/day. Escorts are generally conducted by vehicle both to and from locations associated with campus. Calling 4-6659 from an on-campus phone or 594-6659 from any pay phone may access the program. Any emergency should be reported to Public Safety at 911 on an on-campus phone.
**Policy on Absences for Religious Observances**

The University Policy File and General Catalog include the following statement on Absence for Religious Observances: *By the end of the second week of classes, students should notify the instructors of affected courses of planned absences for religious observances. Instructors shall reasonably accommodate students who notify them in advance of planned absences for religious observances.*

**SCHEDULE: (Subject to change):**

Note: The assigned readings are related to the topic of that week’s lecture; however, you will not be responsible for the material (e.g., on quiz) until the following week. You are welcome to read the material before the lecture; however, it will be easier to understand after the lecture (read it before and after?!).

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Assignments/Activities</th>
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<tbody>
<tr>
<td>8/28</td>
<td>Part 1 Overview of course/syllabus</td>
<td>Homework #1 assigned</td>
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<tr>
<td>(9:30-11:30)</td>
<td>Transducers &amp; orientation to audiometers</td>
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<tr>
<td>8/28</td>
<td>Part 2 Orientation to the auditory structures</td>
<td>Quiz 1 (on last week’s material)</td>
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<td>(4:00-6:40)</td>
<td>Definitions &amp; procedures for thresholds</td>
<td>Homework #1 due</td>
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<td>Otoscopy</td>
<td>Text pp. 3-15, 109-130, 137-142 (left)</td>
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<tr>
<td>9/10</td>
<td>Understanding the audiogram</td>
<td>Quiz 2</td>
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<td>dB SPL vs dB HL vs dB SL</td>
<td>Text pp. 151-162, 177-210</td>
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<td>Homework #2 assigned</td>
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<td>Simulator 5 &amp; 12 assigned</td>
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<td>9/17</td>
<td>Describing audiograms</td>
<td>Quiz 3</td>
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<td>Speech Testing</td>
<td>Homework #2 due</td>
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<td>Simulator 5 &amp; 12 (unmasked) due</td>
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<td>9/24</td>
<td>Fundamentals of immittance</td>
<td>Quiz 4</td>
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<td>Tympanometry</td>
<td>Homework #3 due</td>
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<td>Homework #4 assigned (due next wk)</td>
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<td>10/8</td>
<td>EXAM I</td>
<td>Quiz 5</td>
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<td>(2.5 hr written; covers material 8/28 through 9/24)</td>
<td>Homework #4 due</td>
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<td>Read Text pp. 142-150; 163-175, 206-210</td>
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<td>10/15</td>
<td>Acoustic reflexes</td>
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<td>10/22</td>
<td>Masking Concepts and Stimuli</td>
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<td>10/29</td>
<td>Masking Procedures</td>
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<td>Review case studies</td>
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11/5  EXAM II (2.5 hr written
(focuses on material 10/15
through 10/29 plus case studies)

11/12  VETERAN’S DAY (no class)

11/19  No class—(replaced by extra
class the first week). Work on
presentations
Homework #5 assigned
Simulator 3, 22, 42 assigned (due next wk)

11/26  PATHOLOGY PRESENTATIONS
Homework #5 due
Everyone’s presentation due
on Blackboard
Simulator (mskd) 3, 22, 42 due

12/3  PATHOLOGY PRESENTATIONS (continued)
Read Text pp. 255-285, 333-344

12/10  FINAL EXAM (2 hr written)
Cumulative, including pathologies/presentations
Behaviorally Defined Objectives/Outcomes

Course Title: AUD 705 Diagnostic Audiology I
Instructor: S. Kramer
Term/Year: Fall semester, 2012

The student outcomes for this course satisfy the specified competencies related to objectives/outcomes established by each of the following bodies:

A) CCC (from 2011 CFCC Standard IV, Knowledge and Skills Outcomes for ASHA Certificate of Clinical Competence)
   A9, A11, A13, A22, A24, C2, C3, C4, C5, C10, F2

B) CAA (from 2009 Standards from ASHA’s Council on Academic Accreditation)
   A3, A6, A10, A11, A12, C1, C2, C3, C7, C11, C12, C13, C14, C16, C17, C18, C19

C) JAUD (from 2010 SDSU/UCSD Joint AuD Program Learning Objectives and Goals Item 2: Learning Outcomes for Each Objective)
   2.1.A, 2.2.A, 2.2.B, 2.2.C, 2.3.C, 2.4.A, 2.4.C, 2.5.A, 2.5.D,

NOTE: These course-specific outcomes are also part of each student’s CCC KASA and CAA KASA tracking forms.

Knowledge Level: K1=introductory; K2=basic; K3=intermediate; K4=advanced
Skill Level: S1=taught; S2=emerging/reinforced; S3=practiced; S4=mastered

With successful completion (> 78%) of all assignments, the student will be able to:
1. Describe audiograms for a wide range of hearing abilities: (K3, S2)
2. Describe different decibel scales (dB HL, SL, SPL) and relate them to specific audiometric data: (K3)
3. Perform appropriate instrument set-up, perform listening checks, calibrate speech channel, and manipulate controls in a safe manner for audiologic assessments: (K2, S2)
4. Identify key components in a case history for assessment of individuals with hearing, balance, communication disorders: (K1)
5. Demonstrate the appropriate techniques for otoscopy (handheld) and describe expected findings associated with different pathological conditions: (K2, S2)
6. Describe and perform procedures used for the basic audiologic assessment battery (pure-tone AC, BC, SRT, WRS, basic tympanometry, and acoustic reflex thresholds), appropriately consider evidence-based practice, and document the procedures and results: (K3, S2)
7. Evaluate the need for masking for pure-tone and speech measures and appropriately perform masking (K3)
8. Perform (in the lab) and describe/interpret (on audiograms) appropriate steps for obtaining masked responses: (K3, S3)
9. Explain the rationale and limitations associated with procedures used for the basic audiologic assessment battery. (K3)
10. Integrate data across the basic audiologic assessment battery for the purpose of interpreting the type and severity of disorder, and formulate written reports: (K3, S3)
11. Recognize patterns of basic audiologic assessment data for purposes of making recommendations and referrals: \(K_3, S_2\)

12. Describe typical history, complaints, pathophysiology, expected data from basic audiologic assessment battery, and medical/surgical treatment options for common auditory disorders: \(K_1\)

13. Identify populations at risk for various pathologies: \(K_2\)

14. Organize, prepare, and deliver an oral presentation on an assigned topic: \(S_1\)