INTRODUCTION TO AUDIOLOGY

Spring Semester, 2007
T, TH: 9:30 – 10:45

Instructor: Dr. James McCallum
Office: SPH, Rm 10
Email: jamesm@shawu.edu
Phone: 546-8311

Office Hours
Mon & Wed 11:00 – 12:00, 1:00 – 2:00
Tues & Thurs 10:45 – 11:45, 1:30 – 2:30,
Fri By Appointment Only

Audiology The Fundamentals. Baltimore, Maryland: Williams & Wilkins.

The purpose of this course is to introduce the student to the science of Audiology to include the diagnosis and habilitation of hearing disorders.

Student Classroom Decorum Expectations

ALL CELL PHONES MUST BE TURNED OFF BEFORE ENTERING CLASS! If a cell phone is seen in the class it will result in an unannounced quiz for the class.

STUDENTS ARE EXPECTED TO BE IN ATTENDANCE AND ON TIME.

To enhance the learning atmosphere of the classroom, students are expected to dress and behave in a fashion conducive to learning in the classroom. More specifically, students will refrain from disruptive classroom behavior (i.e., talking to classmates, disrespectful responses to teacher instructions; swearing; wearing clothes that impede academic learning such as but not limited to, wearing body-revealing clothing and excessively baggy pants; hats/caps, and/or headdress. Students who exhibit the behaviors described above, or similar behaviors will be immediately dismissed from class at the third documented offense. The student will be readmitted to class only following a decision by the department chair. The student may appeal the decision of the department chair to the Dean of the College offering the course, and, subsequently, to the Office of the Vice President for Academic Affairs, and then to the President of Shaw University. The decision of the President will be final. Failure to follow the procedures herein outlined will result in termination of the appeal, and revert to the decision of the department chair.

Each behavior construed by the teacher/professor as noncontributive to learning will be recorded, properly documented, and appropriately reported to the student and to the chair of the academic department offering the course. The report will be in written form with a copy provided to both the student and the department chair. The faculty member should retain a copy for his/her own records.
Additional student behavior codes may be found in Student Affairs.

Any student caught cheating on an exam or plagiarizing in a paper will receive an automatic grade of F for that exam or paper.
**Course Objectives:**

1. Describe the anatomy and physiology of the auditory system.
2. Describe the pathway of sound and pathology inherent.
3. Understand the various tests used to diagnose pathology.
4. Conduct a hearing evaluation.
5. Understand an audiogram.
6. Check a hearing aid.
7. Utilize the library for researching hearing disorders.
8. In keeping with the philosophy of Shaw University, ethical considerations will be infused throughout the course, to include professional ethics regarding clinical testing.

**Course Outline:**

Week One: Review of Anatomy and Physiology of the hearing mechanism and the role of the audiologist
Week Two: Hearing Screening, procedures and purpose
Week Three: Audiometry-the identification and measurement of hearing loss, Pure Tone Thresholds
Week Four: Impedance Audiometry vs Bone Conduction Audiometry
Week Five: Speech Audiometry
Week Six: Hearing loss and implications of hearing impairment
Week Seven: Speech acoustics and the audiogram
Week Eight: Review and Mid Term Exam
Week Nine: Site of Lesion testing- malingering and cochlea lesion
Week Ten: Site of Lesion testing- Retro-cochlear lesions
Week Eleven: Hearing Loss-Causes and Types
Week Twelve: Hearing Aids
Week Thirteen: Professional ethics

**Evaluation:**

1. 2 Examinations: each count 20% of final grade
2. Quizzes equal 20% of final grade
3. Audiometry lab equals 15% of final grade
4. Research Paper: 20% of final grade
5. Attendance and class participation equal 5% of final grade

**Grading Scale**

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