



MAUD 202: Basic Audiological Procedures

Medical Audiology Sciences Program
FHS-FM Division of Health Professions
American University of Beirut

Course Syllabus – Fall 2019

INSTRUCTOR INFORMATION:

Name:	Fadi Najem, AuD, PhD, CCC-A
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Office Hours:	By appointment

COURSE INFORMATION:

Day / Time:	Monday: 11:00 a.m. – 11:50 p.m. / Thursday: 10:00 – 11:40 a.m.
Place:	MAS Laboratory, AUBMC, Phase I, SB (Sub-basement)
Level/Credits:	Undergraduate / 3 semester hours
Prerequisites:	MAUD 200, MAUD 204
Moodle Site:	MAUD 202 Moodle Site

COURSE DESCRIPTION:

This course provides a detailed consideration of the rationale, development, and psychoacoustic theory behind pure tone audiometry, speech audiometry, and clinical masking. Acoustic immittance will also be covered. Students will learn to perform and interpret basic audiological procedures and master clinical masking theory.

COURSE FORMAT:

MAUD 202 is taught in a traditional format via classroom lectures and case studies. Students will meet in the classroom for didactic lectures. Written exercises will be used to enhance the learning experiences. Hands-on demonstrations will be provided jointly through the clinical course ORLG 220.

STUDENT LEARNING OBJECTIVES/OUTCOMES:

By the end of the course, students should demonstrate knowledge regarding the following topics:

1. The profession of audiology.
2. Otoscopy and audiometry (puretone and speech) assessment and interpretation.
3. Clinical masking principles.
4. Acoustic immittance assessment and interpretation.
5. Otoacoustic emission assessment and interpretation.
6. Communicating audiometric results.
7. Audiological findings for common etiologies related to hearing loss.
8. Basic acoustics as it relates to clinical audiology.

REQUIRED TEXTBOOK AND READINGS:

Required Readings:

Articles or book chapters corresponding to session topics will be assigned throughout the course. Assigned readings will be accessible online (via the **MAUD 202 Moodle Site**).

GUIDELINES FOR SUCCESS IN THE COURSE:

MAUD 202 is a demanding course that has readings or homework assigned each week. Thus, the key to being successful in the course is to invest time in studying daily. To prepare for class, follow the suggested outline found in the **COURSE SCHEDULE At-A-Glance** at the end of this document. Additionally, active participation in lecture sessions and application of concepts learned in the classroom to your clinical experiences (practicum) will help to solidify the concepts introduced in this course presented through the ORLG 220 course.

ASSESSMENT METHODS AND GRADING CRITERIA:

The following table summarizes the ways in which your learning will be assessed throughout this course.

METHOD	% OF GRADE	LINKED TO OBJECTIVE
Classwork - Exercises & drop quizzes	10	1-5
Midterm Exam	35	1, 2, 4, 8
Final Exam	40	3, 5-8
Presentation	15	6-7
TOTAL	100	

N.B: Passing grade for this course is 60

Classwork – Exercises & Drop Quizzes:

Periodically throughout the semester, you will be given written exercises to complete and submit online. These exercises aim to enhance concepts introduced in class. The instructor reserves the right to administer drop quizzes during the semester.

Exams:

Two exams will be given during the course, including a **Midterm** and **Final Exam**. Students will be given one hour to complete the Midterm Exam, and two hours for the Final Exam. The format will be a mixture of multiple-choice, true/false, short answer questions.

Presentation:

You are required to choose an interesting case that you assessed in the ORLG 220 course. You will prepare a 10-minute PowerPoint (PPT) presentation. The presentation should include: patient information, case history, audiologic findings, recommendations, medical diagnosis (if known), and a written clinical report. Patient confidentiality **MUST** be maintained throughout this assignment. There must be **NO** identifying information included. General statements such as “AB, a 59-year-old female who is employed as a high school teacher...” are acceptable. Statements such as “Said Eid, a 59-year-old male who teaches 10th grade math at Anywhere High School in Beirut...” are considered a breach of patient confidentiality. Any materials included with the paper, such as patient laboratory reports, must have all patient identifying information physically removed from the document, not simply marked through with a marker. The presentation is worth 20 points.

OTHER IMPORTANT INFORMATION:

Attendance:

Attendance will be taken in this course. You are expected to attend and participate in classroom activities. If you miss a class, it is your responsibility to make up for the material missed and inquire about any announcements made. As per [AUB General Regulations](#), students who miss more than one-fifth of the sessions of any course in the first ten weeks of the semester are dropped from the course.

Missed Quizzes/Exams:

All quizzes and exams must be completed on the date specified. *(The only delays that will be considered by the instructor are for documented illness, death in the family, and personal/family emergency).*

Moodle Support:

Moodle will be used in this course. Students should check the Moodle course site at least once per week for announcements, guidelines, resources, and assessment instructions/due dates. Should you have any difficulty with Moodle, you can consult [Moodle for Students](#).

Cell Phones:

The use of cell phones is **prohibited in the classroom**, even when set to vibrate. Cell phones are extremely disruptive to your classmates and to the instructor. Please make a point to turn off your cell phone before entering class. **All cell phones must be placed on your desk face down during class.**

Students with Disabilities:

AUB strives to make learning experiences accessible for all. If you anticipate or experience academic barriers due to a disability (such as ADHD, learning difficulties, mental health conditions, chronic or temporary medical conditions), please do not hesitate to inform the Accessible Education Office. In order to ensure that you receive the support you need and to facilitate a smooth accommodations process, you must register with the Accessible Education Office (AEO) as soon as possible: accessibility@aub.edu.lb; +961-1-350000, x3246; West Hall, 314.

Student Code of Conduct:

Any dishonesty related to academic work or records constitutes academic misconduct. Academic misconduct is a serious ethical violation and will not be tolerated. If you're in doubt about what constitutes plagiarism, ask your instructor because it is your responsibility to know. The American University of Beirut has a strict anti-cheating and anti-plagiarism policy. Penalties include failing marks on the assignment in question, suspension or expulsion from University and a permanent mention of the disciplinary action in the student's records. Penalties may range from loss of credit for a particular assignment to dismissal from the University. Kindly, review AUB's [Student Code of Conduct](#) about plagiarism.

Non-Discrimination – Title IX - AUB:

AUB is committed to facilitating a campus free of all forms of discrimination including sex/gender-based harassment prohibited by Title IX. The University's non-discrimination policy applies to, and protects, all students, faculty, and staff. If you think you have experienced discrimination or harassment, including sexual misconduct, we encourage you to tell someone promptly. If you speak to a faculty or staff member about an issue such as harassment, sexual violence, or discrimination, the information will be kept as private as possible, however, faculty and designated staff are required to bring it to the attention of the University's Title IX Coordinator. Faculty can refer you to fully confidential resources, and you can find information and contacts at www.aub.edu.lb/titleix. To report an incident, contact the University's Title IX Coordinator Ms. Mitra Tauk at 01-350000 ext. 2514, or titleix@aub.edu.lb. An anonymous report may be submitted online via EthicsPoint at www.aub.ethicspoint.com.

MAUD 202
SCHEDULE AT-A-GLANCE

Day	Date	Topic(s)	Reading(s) / Homework (HW)	Course Objectives
Thurs	Aug 29	Overview of Course	Syllabus	N/A
Mon	Sept 2	<i>The Profession of Audiology*</i>	Kramer, S (2014). Audiology as a career. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 12: pp.359-366). San Diego, CA: Plural Publishing.	1
Thurs	Sept 5	Otoscopy	British Society of Audiology. Recommended Procedure: Ear Exam (November 2016).	2
Mon	Sept 9	<i>Immittance – Instrumentation*</i>	Kramer, S (2014). Physiological Measures. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 8: pp. 223-243). San Diego, CA: Plural Publishing.	4, 8
Thurs	Sept 12	Immittance – Tympanometry	HW-Ch 8 Exercises: 8.1 (1, 2, 4, 8-10, 12, 14, 18, 21, 23-26); 8.2 – 8.5	4, 8
Mon	Sept 16	<i>Audiometry – Air Conduction (AC)*</i>	Kramer, S (2014). Pure-Tone Audiometry. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 4: pp. 111-133). San Diego, CA: Plural Publishing.	2, 8
Thurs	Sept 19	Audiometry – Bone Conduction (BC)	HW-Ch 4 Exercises: 4.1 – 4.20	2, 8
Mon	Sept 23	<i>Audiogram Interpretation*</i>	Kramer, S (2014). Audiogram Interpretation. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 5: pp. 135-158). San Diego, CA: Plural Publishing.	2
Thurs	Sept 26	Audiometry – Speech	Kramer, S (2014). Speech Audiometry. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 7: pp. 187-215). San Diego, CA: Plural Publishing.	2, 8
Mon	Sept 30	Online – Assignment	HW-Ch 7 Exercises: 7.1-7.7, 7.9-7.18; 7-20-7.23 (Table 7-1 and 7-2)	2
Thurs	Oct 3	NO CLASS		
Mon	Oct 7	MIDTERM EXAM		
Thurs	Oct 10	Audiometry – Masking (AC/BC)	Yacullo WS (2009). In J Katz, L Medwetsky, R Burkard and L Hood (Eds.) (2009). Clinical Masking. <i>Handbook of Clinical Audiology (6th Edition)</i> (Ch 6: pp. 77-112). San Diego: Plural Publishing.	3, 8
Mon	Oct 14	Online – Assignment	Kramer, S (2014). Clinical Masking for Pure-Tone Thresholds. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 6: pp. 159-184). San Diego, CA: Plural Publishing. HW-Ch 6 Exercises: 6.1 – 6.5	3

Day	Date	Topic(s)	Reading(s) / Homework (HW)	Course Objectives
Thurs	Oct 17	Audiometry – Masking (Speech)	Kramer, S (2014). Speech Audiometry. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 7: pp. 216-220). San Diego, CA: Plural Publishing.	3, 8
Mon	Oct 21	Online – Assignment	HW-Ch 7 Exercises: 7.24 – 7.29	3
Thurs	Oct 24	NO CLASS		
Mon	Oct 28	Immittance – ART & ARD	Kramer, S (2014). Physiological Measures. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 8: pp. 244-255). San Diego, CA: Plural Publishing.	4, 8
Thurs	Oct 31	Immittance – ART & ARD	HW-Ch 8 Exercises: 8.6 – 8.12	4, 8
Mon	Nov 4	Otoacoustic Emissions*	Prieve B, Fitzgerald T (2009). In J Katz, L Medwetsky, R Burkard and L Hood (Eds.). Otoacoustic Emissions. <i>Handbook of Clinical Audiology (6th Edition)</i> (Ch 19: pp. 357-380). San Diego: Plural Publishing.	5, 8
Thurs	Nov 7	Otoacoustic Emissions		
Mon	Nov 11	Cases 1 – 5 (Audiology Workbook)*	Kramer, S (2014). Selected Disorders of the Auditory System. In <i>Audiology: Science to practice (2nd Edition)</i> (Ch 9: pp. 271-301). San Diego, CA: Plural Publishing.	7
Thurs	Nov 14	Cases 6 – 10 (Audiology Workbook)		
Mon	Nov 18	Communicating Audiometric Results*	Stach B (2010). Communicating Audiometric Results. <i>Clinical Audiology: An Introduction (2nd Edition)</i> (Ch 11: pp. 482-528). Clifton Park, NY: Delmar, Cengage Learning.	6
Thurs	Nov 21	NO CLASS		
Mon	Nov 25	Online - Assignment	HW: Submission of Presentation	1 – 7
Thurs	Nov 28	STUDENT PRESENTATIONS	Review Presentation RUBRIC	1 – 7
Mon	Dec 2	FINAL EXAM		

* Delivery of material will be via recording or guest lecturer.

N.B: Instructor reserves the right to make changes to schedule.