



MAUD 201: Anatomy & Physiology of the Auditory-Vestibular System

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

Course Syllabus – Fall 2019

INSTRUCTOR INFORMATION:

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Office Hours:	Tuesday, 9:15 – 11:00 a.m., Thursday, 9:15 – 10:00 a.m., or by appointment

COURSE INFORMATION:

Day / Time:	Tuesdays and Thursdays, 8:00 – 9:15 a.m.
Place:	MAS Laboratory
Level/Credits:	Undergraduate / 3 semester hours
Prerequisites:	PHYL 246
Moodle Site:	MAUD 201 Moodle Site

READINGS:

Required: Assigned readings for each module will be posted on the MAUD 201 *Moodle Site*.

COURSE DESCRIPTION:

The course will provide an in depth coverage of the anatomy and physiology of the auditory and vestibular systems.

COURSE FORMAT:

MAUD 201 will be taught in a traditional format, with classroom lectures given on a weekly basis. Lectures will be enhanced through models, demonstrations, activities, and the use of audiovisual supporting materials.

STUDENT LEARNING OBJECTIVES/OUTCOMES:

1. Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and physiology.
2. Recognize anatomical structures of the peripheral auditory system and central auditory nervous system (CANS).
3. Explain the physiological functions of the peripheral auditory system and CANS.
4. Demonstrate a working knowledge of the anatomy and physiology of the peripheral and central vestibular system.
5. Able to correlate auditory-vestibular anatomy and physiology with clinical concepts and test procedures.

GUIDELINES FOR SUCCESS IN THE COURSE:

Develop good study habits: Don't just cram for the tests! Always be prepared for class sessions by reading the chapter assigned for the day's lecture and accompanying slides. Reserve some time each day to review the material from the last lecture, and to read the material for the next.

Break assigned readings into manageable chunks: Once you have gone through the assigned reading, break up the text into 3-4 sections. Read and underline one section at a time before moving on to the next section.

Utilize the module study guides: Once you read and underlined the chapter, go directly to the review questions provided in the module study guides. This is an important way to test your knowledge. Don't be discouraged if you don't get everything right at the first time. Read again the sections where you missed the review questions and go over the review questions again. If you have any lingering questions, make a note of them so you can ask your teacher or fellow students about them.

Don't hesitate to ask your instructor or fellow students: It is important to find answers to any problems that keep you from understanding the material. There is heavy use of terms that have origins in Latin or Greek, and the sheer number of these terms requires the development of a new vocabulary. Call a fellow student or your teacher; email works just as well. Don't be shy, because there are no stupid questions!

Prepare flash cards or other memory-enhancing tools: This is important when studying material where memorization is important. Find another student to form a study pair, or start or join a student group where you can test each other's memorization.

ASSESSMENT METHODS AND GRADING CRITERIA:

The table below summarizes the ways in which your learning will be assessed throughout this course. Specifically, the table lists the assessment methods, along with the number of times each method will be used, the number of points per assessment, the total number of points, and the percentage contribute to the final grade. A description of each assessment method is provided in the paragraphs that follow the table.

METHOD	TOTAL POINTS	% OF GRADE	LINKED TO OBJECTIVE
Exam 1 – Peripheral Auditory System	100	30%	1 – 3, 5
Exam 2 – Cochlear Physiology and CANS	100	30%	1 – 3, 5
Exam 3 – Peripheral & Central Vestibular System	100	30%	1, 4, 5
Participation/Professionalism	30	10%	N/A
TOTAL	330	100%	

N.B: Passing grade for this course is 60

Exams:

Three exams will be given during the semester. All exams will be taken at a university computer laboratory. Each exam is worth 100 points. Exams 1 and 2 and will consist of 44 multiple-choice or true/false questions (2 points each) and three essay questions (4-points each). Exam 3 will consist of 50 multiple-choice or true/false questions (2 points each). Exams will be given in the computer lab and will be proctored.

Participation & Professionalism:

Active engagement in classroom activities and general professionalism are valued in this course. A total of 30 points can be earned. Examples of active participation and professionalism include:

- Regular attendance and arrival to class on time
- Demonstrated interest in learning the course material
- Taking responsibility for your own learning
- Oral participation in class (well-developed comments/questions)
- Class preparation (e.g., review of materials prior to class lecture)
- Checking the course website in *Moodle* at least once per week
- Communicating important information to your instructor (in person, via e-mail or telephone)
- Asking questions when you have them
- Treating your classmates/instructor with respect and tolerance, understanding that everyone learns differently, and understanding that nobody (including your instructor) is perfect and that everyone sometimes makes mistakes.

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 201
SCHEDULE AT-A-GLANCE

Day	Date	Objective	Topics	Readings
Thursday	August 29, 2019	1, 2	Course Overview; External Ear - Anatomy	Syllabus Module 1
Tuesday	September 3, 2019	3, 5	External Ear – Physiology	Module 1
Thursday	September 5, 2019	1, 2	Middle Ear - Anatomy	Module 2
Tuesday	September 10, 2019	N/A	HOLIDAY (Ashoura)	
Thursday	September 12, 2019	1-3, 5	Middle Ear – Physiology	Module 3
Tuesday	September 17, 2019	1, 2	Inner Ear – Anatomy	
Thursday	September 19, 2019	1, 2	Inner Ear – Anatomy	
Tuesday	September 24, 2019	1, 2	Inner Ear – Anatomy	Module 4
Thursday	September 26, 2019	3, 5	Cochlear Physiology I – Mechanics	
Tuesday	October 1, 2019	1-3, 5	EXAM 1 (Computer Lab)	
Thursday	October 3, 2019	3, 5	Cochlear Physiology I – Mechanics Cochlear Physiology II – Electrophysiology	Module 4/5
Tuesday	October 8, 2019	3, 5	Cochlear Physiology II – Electrophysiology	Module 5
Thursday	October 10, 2019	1-3, 5	Auditory Nerve	Module 6
Tuesday	October 15, 2019	1-3, 5	Cochlear Nucleus	Module 7
Thursday	October 17, 2019	1, 2	Superior Olivary Complex - Anatomy	Module 8
Tuesday	October 22, 2019	3, 5	Superior Olivary Complex - Physiology	Module 8
Thursday	October 24, 2019	1-3, 5	Lateral Lemniscus & Inferior Colliculus Medial Geniculate Body & Auditory Thalamus	Module 9/10
Tuesday	October 29, 2019	1-3, 5	Medial Geniculate Body & Auditory Thalamus Auditory Cortex & Subcortex - Anatomy	Module 10/11
Thursday	October 31, 2019	3, 5	Auditory Cortex & Subcortex - Physiology	Module 11
Tuesday	November 5, 2019	1-3, 5	EXAM 2 (Computer Lab)	
Thursday	November 7, 2019	1-3, 5	Auditory Efferent System	Module 12
Tuesday	November 12, 2019	1, 4, 5	Peripheral Vestibular System	Module 13
Thursday	November 14, 2019	1, 4, 5	Peripheral Vestibular System	Module 13
Tuesday	November 19, 2019	1, 4, 5	Central Vestibular System	Module 14
Thursday	November 21, 2019	1, 4, 5	Central Vestibular System	Module 14
Tuesday	November 26, 2019	5	Common Vestibular Disorders	Module 15
Thursday	November 28, 2019	5	Common Vestibular Disorders	Module 15
Tuesday	December 3, 2019	5	VNG Demonstration	
TBD	TBD	1-5	Exam 3 (Computer Lab)	

Further details or any changes to the schedule will be provided to you during class and on the “[News & Housekeeping Forum](#)”.