



<b>Form: Course Syllabus</b>	Form Number	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963 05/12/2022
	Number and Date of Revision or Modification	
	Deans Council Approval Decision Number	2/3/24/2023
	The Date of the Deans Council Approval Decision	23/01/2023
	Number of Pages	06

1.	Course Title	Introduction to Audiology
2.	Course Number	1804231
3.	Credit Hours (Theory, Practical)	3 Credit hours (theory)
	Contact Hours (Theory, Practical)	3 Contact hours (theory) per week
4.	Prerequisites/Corequisites	None
5.	Program Title	Bachelor of Hearing and Speech Sciences
6.	Program Code	1804
7.	School/Center	Rehabilitation Sciences
8.	Academic Department	Hearing & Speech Sciences
9.	Course Level	Undergraduate/Second Year
10.	Year of Study/Semester	2024/2025-First semester
11.	Program Degree	Undergraduate
12.	Other Departments involved in Teaching the course	None
13.	Main Teaching Instruction	English
14.	Learning Types	<input type="checkbox"/> Face to Face <input checked="" type="checkbox"/> Blended <input type="checkbox"/> Fully Online
15.	Online Platform(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams
16.	Issuing Date	10/12/2020
17.	Revision Date	29/9/2024

**18. Course Coordinator**

Name: Anaam Alkharabsheh	Contact hours: Tuesday 11:30-12:30
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### 19. Other Instructors

None

### 20. Course Description

This course is intended to provide an introduction to Audiology. It introduces the physics and psychophysics of sound and provides an overview of the basic anatomy and physiology of the auditory system. The course also introduces the profession of audiology: Behavioural and objective audiometric evaluation and screening procedure, types, degrees, and configurations of hearing loss, causes of auditory disorders and their audiometric correlates, and an overview of audiological intervention tools.

### 21. Program Learning Outcomes

#### Program Learning Outcomes Descriptors (PLOD)

PLO	National Qualification Framework Descriptors*		
	Knowledge (A)	Skills (B)	Competency (C)
Develop and integrate knowledge from foundational courses; including basic sciences, medical sciences, and research methods to reflect on rehabilitation sciences practice.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrate knowledge of the role of audiologists and speech therapists in working with patients with communication and hearing disorders.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrate knowledge of the basic principles and methods of prevention, assessment, and intervention for individuals with communication and hearing disorders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Apply and integrate evidence-based clinical skills (diagnosis, assessment, and intervention) in working with individuals with communication and hearing disorders.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Compose effective oral and written communication for clinical and professional purposes including the use of information technology resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Operate within interprofessional teams of healthcare providers, clients, communities, and organizations in traditional and emerging practices and illustrate the qualities of lifelong learner.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



Apply leadership and management skills to advance Jordan and the global community scientifically, socially, and technologically in rehabilitation sciences.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Generate scientific research that advances rehabilitation practices locally and globally.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Analyze the needs of clients and develop comprehensive individualized rehabilitation plans and apply ethical principles to promote inclusion, participation, safety, and wellbeing for all clients.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

\*Choose only on descriptor for each PLO; either knowledge, or skills, or competencies.

**22. Course Learning Outcomes: By the end of this course, the student is expected to achieve the following Learning outcomes:**

**Knowledge**

**CLO 1:** Understand the history and direction of audiology as a profession..

**Aligns with PLO 1.**

**CLO 2:** Describe the basic physical and psychological attributes of sound.

**Aligns with PLO 2.**

**Skills**

**CLO 3:** Identify the anatomy and function of the peripheral and central auditory pathways

**Aligns with PLO 3.**

1. **CLO 4:** Identify different types of hearing loss, including their impact on speech and language.

**Aligns with PLO 4.**

**Competencies**

2. **CLO 5:** Discuss principles related to different audiometric test procedures..

**Aligns with PLO 5.**

3. **CLO 6:** Discuss principles related to different audiometric test procedures.

**Aligns with PLO 6.**

**Matrix of Course Learning Outcomes according to National Qualification Framework Descriptors**

Course ILOs	The learning levels to be achieved					
	Remembering	Understanding	Applying	Analysing	evaluating	Creating
1	X	X	X	X	X	X
2						X
3	X		X		X	
4	X	X				



5		X		X		
6				X	X	X

### 23. Matrix linking Course Learning Outcomes (CLOs) with Program Learning Outcomes (PLOs)

Program ILOs / Course ILOs	ILO (1)	ILO (2)	ILO (3)	ILO (4)	ILO (5)	ILO (6)	ILO (7)
1	X						
2		X					
3			X				
4				X			
5					X		
6						X	
7						X	

\*Map each Course Learning Outcome to ONLY one Program Learning Outcome based on Courses Matrix

\*\* Descriptors are assigned based on (PLO) that was chosen and specified in the program learning outcomes matrix in item (21)

### 23. Topic Outline and Schedule:

Week	Lecture	Topic	Intended Learning Outcome	Learning Methods* /platform	Evaluation Methods**	Resources
1	1.1	Course overview	NA	Teams	NA	NA
	1.2	Introduction to the profession of audiology	1, 4, 8, 15	Teams	Discussion, pop up quizzes, exams	Lecture, assigned readings
	1.3	Anatomy and Otoscopic Examination	1, 4, 8, 15	Teams	Discussion	Lecture, assigned readings
2	2.1	Anatomy and Otoscopic Examination	1, 2, 3, 7, 15	Teams	Discussion	Lecture, assigned readings
	2.2	Auditory pathways and tuning fork tests	1, 2, 3, 7, 15	Teams	Discussion	Lecture, assigned readings
	2.3	Eustachian tube function	1, 2, 3, 7, 15	Teams	Discussion	Lecture, assigned readings
3	3.1	Tympanometry and acoustic reflexes	2, 3, 4, 15	Teams	Discussion	Lecture, assigned readings



	3.2	Tympanometry and acoustic reflexes	2, 3, 4, 15	Teams	Discussion	Lecture, assigned readings
	3.3	Tympanometry and acoustic reflexes	2	Teams	Discussion	Lecture, assigned readings
4	4.1	Puretone audiometry Masking	2	Teams	Discussion	Lecture, assigned readings
	4.2	Puretone audiometry Masking <b>BL: PTA video, exercise and handouts</b>	2, 6	Teams	Discussion	Lecture, assigned readings
	4.3	Puretone audiometry Masking <b>BL: Masking exercises and videos</b>	2, 6	Teams	Discussion	Lecture, assigned readings
5	5.1	Speech audiometry	9, 18	Teams	Discussion	Lecture, assigned readings
	5.2	Speech audiometry	9, 18	Teams	Discussion	Lecture, assigned readings
	5.3	Speech audiometry <b>BL: Speech Aud. video and handouts</b>	1,9	Teams	Discussion	Lecture, assigned readings
6	6.1	Auditory Brainstem Response (ABR)	1,9	Teams	Discussion	Lecture, assigned readings
	6.2	Auditory Brainstem Response (ABR)	1,9	Teams	Discussion	Lecture, assigned readings
	6.3	Auditory Brainstem Response (ABR) <b>BL: Objective tests video and handouts</b>	2, 9,15	Teams	Discussion	Lecture, assigned readings
7	7.1	Auditory Steady State Response	2, 9,15	Teams	Discussion	Lecture, assigned readings
	7.2	Auditory Steady State Response	2, 9,15	Teams	Discussion	Lecture, assigned readings
	7.3	Auditory Steady State Response <b>BL: Objective tests video and handouts</b>	2, 9,15	Teams	Discussion	Lecture, assigned readings
8	8.1	Midterm exam		Teams		
	8.2	Otoacoustic emissions	1,8, 12, 15, 17	Teams	Discussion	Lecture, assigned readings
	8.3	Otoacoustic emissions	1,8, 12, 15, 17	Teams	Discussion	Lecture, assigned readings
9	9.1	Otoacoustic emissions	2, 13, 12, 15	Teams	Discussion	Lecture, assigned readings
	9.2	Pediatric audiology	2, 13, 12, 15	Teams	Discussion	Lecture, assigned readings
	9.3	Pediatric audiology	2, 13, 12, 15	Teams	Discussion	Lecture, assigned readings
10	10.1	Pediatric audiology <b>BL: Pediatric tests videos and handouts</b>	8, 18, 15,18	Teams	Discussion	Lecture, assigned readings
	10.2	Hearing aids and cochlear implants	8, 18, 15,18	Teams	Discussion	Lecture, assigned readings
	10.3	Hearing aids and cochlear implants <b>BL: Amplification Videos</b>	8, 18, 15,18	Teams	Discussion	Lecture, assigned readings



11	11.1	Hearing aids and cochlear implants BL: Amplification Videos	10, 5, 7,11, 15	Teams	Discussion	Lecture, assigned readings
	11.2	Hearing aids and cochlear implants BL: Amplification Videos	10, 5, 7,11, 15	Teams	Discussion	Lecture, assigned readings
	11.3	Auditory pathologies	13,14, 15, 18	Teams	Discussion	Lecture, assigned readings
12	12.1	Auditory pathologies	13,14, 15, 18	Teams	Discussion	Lecture, assigned readings
	12.2	Auditory pathologies BL: Pathologies handouts	7, 15, 17, 18	Teams	Discussion	Lecture, assigned readings
	12.3	Auditory pathologies <b>BL: Pathologies handouts</b>	7, 15, 17, 18	Teams	Discussion	Lecture, assigned readings
13	13.1	Auditory pathologies <b>BL: Pathologies handouts</b>	5,10	Teams	Discussion	Lecture, assigned readings
	13.2	Auditory pathologies <b>BL: Pathologies handouts</b>	5,10	Teams	Discussion	Lecture, assigned readings
	13.3	Balance Disorders	5,7,10,11, 18	Teams	Discussion	Lecture, assigned readings
14	14.1	Balance Disorders	5,7,10,11, 18	Teams	Discussion	Lecture, assigned readings
	14.2	Balance Disorders	5,7,10,11, 18	Teams	Discussion	Lecture, assigned readings
	14.3	Case Studies	5, 10, 11, 15, 16	Teams	Discussion	Lecture, assigned readings
15	15.1	Case Studies	5, 10, 11, 15, 16	Teams	Discussion	Lecture, assigned readings
	15.2	Case Studies	5, 10, 11, 15, 16	Teams	Discussion	Lecture, assigned readings
	15.3	Case Studies	4, 5,15	Teams	Discussion	Lecture, assigned readings
16	16.1	Case Studies	4, 5,15	Teams	Discussion	Lecture, assigned readings
	16.2	Case Studies	4, 5,15	Teams	Discussion	Lecture, assigned readings
	16.3	Review	NA	Teams	Discussion	

## 25. Evaluation Methods:

Course Evaluation Plan											
Evaluation Activity		Mark*	Course Learning Outcomes								
			1	2	3	4	5	6	7	8	9
First Exam (mid exam)		30	X	X	X	X	X	X	X		
Second Exam		----									
Final Exam		40	X	X	X	X	X	X	X	X	X
Classwork		---									
Evaluation of Semester work	Projects\Reports	---									
	Research\Worksheets	---									
	Fieldwork visits	---									
	Clinical and practical performance	---									
	Portfolio	---									
	Presentations	---									
	Simulation/Modeling	---									
	Discussion	---									



Quizzes	30	X	X	X	X	X	X	X	X	X	X
Exercises	---										
Interviews	---										
Conferences	---										
Any other evaluation activities approved by the faculty committee	---										
<b>Total Marks (100%)</b>	100										

\* According to the instructions for granting a bachelor's degree

[ju.edu.jo](http://ju.edu.jo) القوانين والأنظمة والتعليمات :: الجامعة الأردنية

\*\*According to the instructions of organizing semester work, tests, examinations, and grades for the bachelor's degree.

### Mid-term exam descriptions table\*

CLO no.	CLO Weight	Total no. of questions	Total exam mark	No. of questions per CLO	No. of questions/ cognitive level					
					Remember 30%	Understanding 20%	Applying 20%	Analyze 10%	Evaluate 10%	Create 10%

\* A table of descriptions is added in the case of courses that require a second exam.

### Final exam descriptions table

CLO no.	CLO Weight	Total no. of questions	Total exam mark	No. of questions per CLO	No. of questions/ cognitive level					
					Remember 30%	Understanding 20%	Applying 20%	Analyze 10%	Evaluate 10%	Create 10%

## 26. Course Requirements

Equipments that will be used:

Audiometer

Tympanometer

Tuning forks

Otosopes



Websites that will be used for readings:

E-Learning website.

ASHA website

BSA website

Note: Please make sure to check the E- Learning website a day before the lecture, download and print the worksheets or the reading material uploaded for the lab. Please make sure to check the E- Learning website a day before the lecture, download and print the worksheets or the reading material uploaded for the session.

## 27. Course Policy

### A- Attendance policies:

- Attendance will be taken periodically throughout the semester.
- Students are expected to attend and actively participate in all classes.
- Students are expected to be on time.
- When the student is unable to attend class, it is a courtesy to notify the instructor in advance using either e-mail or phone.
- Repeated tardiness or leaving early will not be accepted.
- Students who miss class (or any portion of class) are responsible for the content. Any student who misses a class has the responsibility for obtaining copies of notes, handouts, assignments, etc. from class members who were present. If additional assistance is still necessary, an appointment should be scheduled with the instructor. Class time is not to be used to go over material with students who missed class (es).
- An absence of more than 15% of all the number of classes, which is equivalent of ( 7 ) classes, requires that the student provides an official excuse to the instructor and the dean.
- If the excuse was accepted the student is required to withdraw from the module.
- If the excuse was rejected the student will fail the module and mark of zero will be assigned as suggested by the laws and regulations of the University of Jordan. Please refer to pages 133, 134 of the student handbook.

### B- Absences from exams and submitting assignments on time:

- The instructor will not do any make-up exams.
- Exceptions for make-up exams and late submission of class assignments will be made on a case-by-case basis for true personal emergencies that are described as accepted by the regulations of UJ (e.g., documented medical, personal, or family emergency).
- Make-up exams will be arranged if justifications for missing the exam satisfy the above. It is the student's responsibility to contact the instructor within 24 hours of the original exam to schedule a make-up session. A make-up exam should be taken within a week from the original exam date, unless the student can provide documentation that makes meeting that deadline impossible; otherwise, the recorded score for that exam for the student will be a zero.
- Late assignments will not be accepted and submission of assignments (due to unjustified absence from class) by other students will not be accepted regardless of how much work the student put into its preparation.

### C- Health and safety procedures:

- Students will not be in direct contact with patients during this course.





- Students are not expected to use any heavy tools or equipment that might impose health and safety issues during this course.

- Students should work safely, including being able to select appropriate hazard control and risk management, reduction or elimination techniques in a safe manner in accordance with health and safety legislation.
- Students should understand the importance of and be able to maintain confidentiality.
- Students should understand the importance of and be able to obtain informed consent.
- Students should know the limits of their practice and when to seek advice or refer to another professional

#### D- Honesty policy regarding cheating, plagiarism, misbehavior:

- Students are expected to observe all University guidelines pertaining to academic misconduct.
- Any work submitted by a student for academic credit must be the student's own work. Submission of work taken directly from another source (e.g., book, journal, internet, clinic forms, or another student work) will be considered plagiarism and the student/group will get a zero grade for that work if part of an assignment. In addition, if copying occurred, both the student who copied the work and the student who gave material to be copied (if applicable) will receive a zero for the assignment.
- Students are expected to do work required for assignments on their own. Asking other instructors at the JU clinic or the staff, or other students to assist in or do any part of the assignment for them will negatively affect their grade on that assignment. The course instructor is the person the student needs to talk to if s/he has any difficulties pertaining to an assignment or project and is strongly encouraged to schedule an appointment with the instructor if such difficulties arise during the semester.
- Course materials prepared by the instructor, together with the content of all lectures and review sessions presented by the instructor are the property of the instructor. Video and audio recording of lectures and review sessions without the consent of the instructor is prohibited.
- Any forms of academic misconduct will be handled according to the University of Jordan guidelines.

#### E- Grading policy:

Grading for this course will be determined based upon the accumulation of points for variety of assignments and exams. All work will be evaluated on completeness, organization, clarity of information, and the integration and application of the material.

#### F- Available university services that support achievement in the course:

The University of Jordan provides many services to support social, health, and mental well-being of students in general and students with disabilities in specific. Students are advised to visit the Faculty of Students Affairs to learn more about those services. If you are a student with a disability for which you may request accommodations, please notify the staff of Services for Student with Disabilities (Faculty of Students Affairs) as soon as possible. Please also contact the instructor as soon as possible (email is acceptable) so the appropriate accommodations for this course can be made.

## 28. References

### A. A Required book (s), assigned reading and audio-visuals:

- Introduction to Audiology  
Frederick N. Martin; John Greer Clark
- Essential Of Audiology  
Gelfand. S.
- BSA Recommended Procedures (2020).

### B. Recommended books, materials, and media:



Handbook of Clinical Audiology

Jack Katz

*All chapters will be available on the course website.*

Additional references available online or on the course Canvas website. Recommended Procedures and Publications from [www.The bsa.org](http://www.thebsa.org).

Recommended books, materials, and media:

Articles, chapters from another books and websites will be provided during the semester.

## 29. Additional Information

- Concerns or complaints should be expressed in the first instance to the module lecturer ; if no resolution is forthcoming , then the issue should be brought to the attention of the module coordination (for multiple sections) who will take the concerns to the module representative meeting . Thereafter, problems are dealt with by the Department Chair and if still unresolved the Dean and the ultimately the Vice President. For final complaints, there will be a committee to review grading the final exam.
- For more details on University regulations please visit :

<http://www.ju.edu.jo/rules/index.htm>

Name of the Instructor or the Course Coordinator: Dr. Enaam Karabsheh	Signature: E.K.	Date: 29\9\2024
Name of the Head of Department Sara Alhanbali .....	Signature: SH.....	Date: 29\9\2024
Name of the Head of Department Sara Alhanbali .....	Signature: SH.....	Date: 29\9\2024
Name of the Head of Quality Assurance Committee/ School or Center Prof. Kamal Al Hadidi	Signature: Prof. KAH	Date: 29\9\2024
Name of the Dean or the Director Prof. Kamal Al Hadidi	Signature: KAH.....	Date: 29\9\2024