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| **1** | Course title | Medical Aspects of Hearing Loss  |
| **2** | Course number | 1804436 |
| **3** | Credit hours (theory, practical) | 3 hours theory. |
| **Contact hours (theory, practical)** | 3 hours per week theory |
| **4** | Prerequisites/corequisites | 1804231 |
| **5** | Program title | BSc. In Hearing and Speech Sciences |
| **6** | Program code | 1804 |
| **7** | Awarding institution  | The University of Jordan |
| **8** | School | School of Rehabilitation Sciences |
| **9** | Department | Hearing and Speech Sciences |
| **10** | Level of course  | Undergraduate, 4th year |
| **11** | Year of study and semester (s) | 2022/2023, Second Semester |
| **12** | Other department (s) involved in teaching the course | Not applicable |
| **13** | Language of Instruction | English |
| **14** |

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| **Teaching methodology** | ☐Blended ☐Online |

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|  | **X** **Others**  **Face to Face** |

 |
| **15** | **Electronic platform(s)** | ☐Moodle Microsoft Teams ☐Skype ☐Zoom ……… |
| **16** | **Date of production/revision** | January 31, 2023  |

17. Course Coordinator:

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| --- | --- |
| Name | Khader J. Abdul-Baqi, MD, PhD |
| Rank |  Professor |
| Office number | 435 |
| Office hours | Sundays and Tuesdays 8-10 |
| Phone number | 5355000 Ext: 23260, +962 777484566 |
| Email addresses | kabaqi@ju.edu.jo |

 |

**18. Other instructors:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Name | None |
| Rank |  |
| Office number |  |
| Office hours |  |
| Phone number |  |
| Email addresses |  |

|  |  |
| --- | --- |
| Name | None |
| Rank |  |
| Office number |  |
| Office hours |  |
| Phone number |  |
| Email addresses |  |

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**19. Course Description:**

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| *As stated in the approved study plan.*This course focuses on clinical examination of the ear, disorders and pathologies of the external, middle, and inner ear that effect hearing and balance, symptoms, diagnosis, complications and treatment of the different ear disorders, facial nerve, balance, and hearing disorders. | As stated in the approved study plan. |

 **20. Course aims and outcomes:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| A- Aims:

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| --- |
| A- Aims:The major objective of this course is to provide the students with a basic knowledge of:1. Know the Clinical evaluation of auditory system: history, examination, investigation (laboratory & radiology), and treatment.
2. Know the Frequent diseases of the auditory system.
3. Know the Evaluation of vestibular system: disorders & treatment of dizziness
4. Know the Tinnitus: classification and treatment

B- Student Learning Outcomes (SLOs): Upon completing the program, the students are expected to acheive the Students Learning Outcoms (SLOs)**:** |
| 1. **Program ILO: Demonstrate deep knowledge of the basic human communication processes, as well as the nature of speech, language, and hearing.**
 |
|  **Specific Course (SLOs):** | * 1. know the clinical evaluation of auditory system
	2. know the frequent diseases of auditory system
 |
| 1. Program ILO: Identify and apply the basic principles and methods of prevention, assessment and intervention for individuals with communication and hearing disorders.
 |
|  **Specific Course (SLOs):** | 2.1. know the evaluation of vestibular system2.2. know the evaluation of tinnitus patients2.3. To identify the differences between auditory diseases |
| 1. Program ILO: Apply the basic clinical skills in working with individuals with communication and hearing disorders.
 |
|  **Specific Course (SLOs):** | 3.1. Identify and apply knowledge of the basic clinical skills in working with individuals with hearing disorders. |
| 1. Program ILO: Formulate specific and appropriate intervention plans.
 |
|  **Specific Course (SLOs):** | NA |
| 1. **Program ILO: Conduct appropriate diagnostic monitoring procedures, therapy or other actions safely and skilfully.**
 |
|  **Specific Course (SLOs):** | NA |
| 1. Program ILO: Write professional reports for patient with communication and hearing disorders.
 |
|  **Specific Course (SLOs):** | NA |
| 1. **Program ILO: Apply principles of evidence-based practice in the assessment and intervention processes.**
 |
|  **Specific Course (SLOs):** | 7.1. Apply principles of evidence-based practice in the assessment and intervention processes to different pathologies on auditory system. |
| 1. Program ILO: Identify ongoing effectiveness of planned activity and modify it accordingly.
 |
|  **Specific Course (SLOs):** | NA |
| 1. Program ILO: Analyze the criteria of each assessment and intervention approach and accordingly choose the best technique for each individual case.
 |
|  **Specific Course (SLOs):** | 9.1. Analyze the criteria of each assessment and intervention approach and accordingly choose the best technique for each individual case in discussion lectures |
| 1. Program ILO: Employ time management skills in dealing with case loads and in delivering intervention for individual cases.
 |
| **Specific Course ILO(s):** | NA |
| 1. Program ILO: Demonstrate commitment to lifelong learning, teamwork, scientific research, analysis, interpretation, has the ability to think critically and solve problems, and uses technology to monitor, manage, analyze, and transfer information to generate knowledge and employ it for future uses.
 |
| **Specific Course ILO(s):** | NA |
| 1. Program ILO: Demonstrate the ability to take responsibilities and exercises their rights and duties within the value system of society and their public morals.
 |
| **Specific Course ILO(s):** | NA |

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 **21. Topic Outline and Schedule:**

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| **Week** | **Lecture** |  **Topic chapters** | **Teaching Methods: Face toface, blended, fully online** | **Evaluation Methods\*\*** | **References** |
| 1 | 1.1 | Otologic evaluation 3  |   |   |   |
| 1.2 | Laboratory & Diagnostic testing  7  |  **Face to Face** | Quizzes,Exams |  1 |
| 1.3 | Laboratory & Diagnostic testing  7  |   |   |   |
| 2 | 2.1 | Medical imaging Radiological)  |   |   |   |
| 2.2 |  8  | **Face to Face** |  Quizzes,Exams |  1 |
| 2.3 | Medical imaging Radiological)  |  |   |   |
| 3 | 3.1 |  8  |  |   |   |
| 3.2 | Medical imaging Radiological)  | **Face to Face** |  Quizzes,Exams |  1 |
| 3.3 |  8  |  |   |   |
| 4 | 4.1 | Otitis media 9  |  |   |   |
| 4.2 | Otitis media 9  | **Face to Face** | Quizzes,Exams |  1 |
| 4.3 | Otitis media 9  |  |   |   |
| 5 | 5.1 | Otosclerosis 10  |  |   |   |
| 5.2 | Otosclerosis 10  | **Face to Face** |  Quizzes,Exams |  1 |
| 5.3 | Otosclerosis 10  |  |   |   |
| 6 | 6.1 | Ototoxicity 11  |  |   |   |
| 6.2 | Ototoxicity | **Face to Face** | Quizzes,Exams |  1 |
| 6.3 | Ototoxicity 11  |  |   |   |
| 7 | 7.1 |  **midterm exam** |  |   |   |
| 7.2 | Ototoxicity 11  | **Face to Face** |  Quizzes,Exams |  1 |
| 7.3 | Meniere’s disease  |  |   |   |
| 8 | 8.1 | Meniere’s disease 12  |  |   |   |
| 8.2 | Meniere’s disease 12  | **Face to Face** | Quizzes,Exams  |  1 |
| 8.3 | Meniere’s disease 12  |  |   |   |
| 9 | 9.1 | Noise-induced hearing loss 13  |  |   |   |
| 9.2 | Noise-induced hearing loss 13  | **Face to Face** |  Quizzes,Exams | 1 |
| 9.3 | Noise-induced hearing loss 13  |  |   |   |
| 10 | 10.1 | Congenital hearing loss 14  |  |   |   |
| 10.2 | Congenital hearing loss 14  | **Face to Face** |  Quizzes,Exams |  1 |
| 10.3 | Congenital hearing loss 14  |  |   |   |
| 11 | 11.1 | Presbycusis 15  |  |   |   |
| 11.2 | Presbycusis 15  | **Face to Face** | Quizzes,Exams  |  1 |
| 11.3 | Presbycusis 15  |  |   |   |
| 12 | 12.1 | The acoustic nerve tumor 16  |  |   |   |
| 12.2 | The acoustic nerve tumor 16  | **Face to Face** |  Quizzes,Exams |  1 |
| 12.3 | The acoustic nerve tumor 16  |  |   |   |
| 13 | 13.1 | Dizziness: diagnosis , medical treatment  20  |  |   |   |
| 13.2 | Dizziness: diagnosis , medical treatment  20  | **Face to Face** |  Quizzes,Exams |  1 |
| 13.3 | Dizziness: diagnosis , medical treatment  20  |  |   |   |
| 14 | 14.1 | Surgical management of dizziness and hearing loss 21  |  |   |   |
| 14.2 | Surgical management of dizziness and hearing loss 21  | **Face to Face** | Quizzes,Exams  |  1 |
| 14.3 | Surgical management of dizziness and hearing loss 21  |  |   |   |
| 15 | 15.1 | Tinnitus 23 |  |   |   |
| 15.2 | Tinnitus 23 | **Face to Face** |  Quizzes,Exams | 1  |
| 15.3 | Tinnitus 23 |   |  |   |   |

 |

* Teaching methods include: Synchronous lecturing/meeting; Asynchronous lecturing/meeting
* Evaluation methods include: Homework, Quiz, Exam, pre-lab quiz…etc

**22. Evaluation Methods:**

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| Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

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|  Exams |
| **Exam** | **Period (week) SLOs** | **Mark Platforms** |
| Midterm | 7th week Mentioned early | 30 Face to face |
| Quizzes, participation | To be arranged Same | 20 Course activities  &quizzes |
| **Final** | 16th week Same | 50 Face to face |

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**23. Course Requirements (e.g: students should have a computer, internet connection, webcam, account on a specific software/platform…etc):**

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| **students should have a computer, internet connection, webcam, account on a specific software/platform…etc)** |

**24. Course Policies:**

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| **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 handing in 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. |

**25. References:**

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| 1. A **Required book (s**), assigned reading and audio-visuals:

 1-Hearing Disorders by Jerry L. Northern , 3rd Ed. Allyn and Bacon1. **Recommended books, materials, and media:**
2. Handbook of clinical audiology by Jack Katz. Lippincott Williams &Wilkins.
3. Cummings otolaryngology-Head & Neck Surgery 5th Ed. Mosby Inc.Philadelphia,PA
 |

**26. Additional information:**

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| --- |
| None |

Name of Course Coordinator: Prof. Khader .J Abdulbaqi. Signature: K.J A Date: 31/1/2023

 Head of curriculum committee/Department: Dr. Anaam Alkharabsheh Signature: Anaam Alkharabsheh

Head of Department: Dr. Anaam Alkharabsheh Signature: Anaam Alkharabsheh

Head of Curriculum Committee/Faculty: **Prof. Kamal Hadidi** Signature: KAH

Dean: **Prof. Kamal Hadidi** Signature: KAH

Copy to:

 Head of Department

 Assistant Dean for Quality Assurance

 Course File