



1.	Course title	Special surgery - Otolaryngology
2.	Course number	0506504
3.	Credit hours	2 hours out of 12 special surgery
	Contact hours (theory, practical)	Theory: 13 Lectures Practical: 14 days of clinical training and interactive activities
4.	Prerequisites/Corequisites	--
5.	Program title	Doctor of Medicine
6.	Program code	N/A
7.	Awarding institution	The University of Jordan
8.	School	School of Medicine
9.	Department	Special Surgery Department
10.	Course level	Bachelor
11.	Year of study and semester (s)	Fifth year
12.	Other department (s) involved in teaching the course	Otolaryngology Department at al Basheer Hospital/ The Ministry of Health
13.	Main Learning language	English
14.	Learning Types	<input type="checkbox"/> Face to face learning   x <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
15.	Online platforms(s)	<input type="checkbox"/> Moodle   x <input type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype   x <input type="checkbox"/> Zoom <input type="checkbox"/> Others
16.	Issuing/Revision Date	11/1/2024

**17. Course Coordinator:****Name:** Dr Margaret Zuriekat**Contact hours:** Sunday 12 – 2 pm and Tuesday 11 am- 1pm**Office number:** ENT clinic**Phone number:** 0096265353444/ 2848/2789**Email:** [m.zuriekat@ju.edu.jo](mailto:m.zuriekat@ju.edu.jo) [margaretzuriekat@gmail.com](mailto:margaretzuriekat@gmail.com)

**18. Other instructors:**

Name: Dr. Baeth Al Rawashdeh	Contact hours: Tuesdays and Thursdays (11-12)
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Name: Dr. Mohammad Al Tawalbeh	Contact hours: Sundays and Thursdays (10-11)
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Name: Prof. Tareq Mahafza	Contact hours: Sundays and Tuesdays (11:00-12:00)
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Name: Prof. Khader Abdul Baqi	Contact hours: Mondays (12-1) / Wednesdays (8-11)
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Name: Dr. Lubna Khreesha	Contact hours: Mondays and Wednesdays (10-11)
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Name: Dr. Omar Al Sarayrah	Contact hours: Sundays (9-10)
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Name: Dr. Pauline Garabedian	Contact hours: Sundays (9-12)
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Name: Dr. Sana Batarseh	Contact hours: Sundays and Wednesdays (9-12)
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Name: Dr. Ehab Abuirsheid	Contact hours: Tuesdays and Wednesdays (9-12)
Office number: ENT clinic/Albasheer	Phone number: 00962799889798
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**19. Course Description and Aims:****A- Course Description:**

During this two-week rotation within the special surgery course, students will engage in comprehensive learning experiences in Otolaryngology. The curriculum includes both theoretical and clinical learning in Ear, Nose, and Throat (ENT), head and neck and audiovestibular medicine. Students will actively participate in clinics, gaining practical insights into otorhinolaryngeology, head and neck and audiovestibular practices. Additionally, they will have the opportunity to observe surgical procedures



in both day case and major theatre settings. The rotation will also feature daily seminars and interactive activities to enhance the overall learning experience.

**B- Aims:**

This course is designed to equip students with an understanding of prevalent Ear, Nose, and Throat (ENT) as well as audiology issues commonly encountered in general medical practice. The emphasis is on equipping students with the skills needed for effective diagnosis and management of these pathologies.

**20. Program Intended Learning Outcomes (PLOs) (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program):**

1. Demonstrate basic knowledge of normal human structure and function at molecular, genetic, cellular, tissue, organ, system and whole-body levels in terms of growth, development, and health maintenance. Analyze the basic molecular and cellular mechanisms involved in the causation and treatment of human disease and their influence on clinical presentation and therapy.
2. Collect, interpret, document, and communicate accurately a comprehensive medical history, including the psychological and behavioral factors, and a thorough organ-system-specific physical examination inclusive of the mental status of the patient.
3. Integrate and communicate collected clinical information in the construction of appropriate diagnostic and therapeutic management strategies to identify life-threatening conditions ensuring prompt therapy, referral, and consultation with relevant disciplines and skillfully perform basic medical procedures for general practice on patients with common illness, acute and chronic, taking into account environmental, social, cultural and psychological factors.
4. Demonstrate in-depth knowledge of the epidemiology and biostatistics of common diseases, and analyze the impact of ethnicity, culture, socioeconomic factors and other social factors on health, disease and individual patient's health care.
5. Communicate effectively and professionally, both orally and in writing, with patients, their families, and with other healthcare providers utilizing information technology resources in his/her scholarly activities and professional development with the ability to teach others, and to understand and respect other healthcare professionals' roles, and apply the principles of multidisciplinary teamwork dynamics and collaboration.
6. Apply scientific methods including evidence –based approach to the medical practice including problem identification, data collection, hypothesis formulation, etc., and apply inductive reasoning to problem solving and ensure that clinical reasoning and decision making are guided by sound ethical principles.
7. Demonstrate knowledge of scientific research methods and ethical principles of clinical research and be able to write research proposals or research papers.



8. Demonstrate professionally the skills needed for Quality improvement, lifelong learning, and continuous medical education including the ability to identify and address personal strength and weakness, self-assess knowledge and performance, and develop a self-improvement plan.

**21. Intended Learning outcomes of the course (CLOs): Upon completion of the course, the student will be able to achieve the following intended learning outcomes:**

1. Possess the knowledge and understanding of the basic ENT anatomy and physiology as well as the theoretical principles and clinical aspects of otorhinolaryngology.
2. Conduct a thorough assessments of the ear, nose, throat, head, neck, and vestibular system through history-taking, clinical examination, and the ability to identify abnormalities.
3. Interpret basic ENT and audiological tests and use it with the clinical case history and examination to formulate effective diagnostic and therapeutic strategies considering evidence-based ENT healthcare and considering the environmental, social, cultural, and psychological factors.
4. Analyze the epidemiology of common diseases affecting the ear, nose, throat, head, neck, and audiovestibular system, and evaluate the impact of ethnicity, culture, socioeconomic factors, and other social factors on health, disease, and individual patient health plan and care within the field of ENT/ Audiology.
5. Communicate professionally with patients and possess an understanding and respect for varied healthcare roles, and apply principles of multidisciplinary teamwork and collaboration in addressing ENT cases.
6. Demonstrate expertise in research methods and ethics in the ENT field. Also, exhibit professional skills for quality improvement, lifelong learning, and continuous medical education, including self-assessment and self-improvement plans.



**22. The matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program):**

Program ILOs ILOs of the course	CLO (1)	CLO (2)	CLO (3)	CLO (4)	CLO (5)	CLO (6)
PLO (1)	✓					
PLO (2)		✓				
PLO (3)			✓			
PLO (4)				✓		
PLO (5)					✓	
PLO (6)			✓			
PLO (7)						✓
PLO (8)						✓



## 23. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome (SLO)	Descriptors ***	Learning Types (Face to Face/Blended/ Fully Online)	Platform Used	Synchronous / Asynchronous Lecturing	Evaluation Methods	Learning Resources
1	1.1	Head and neck oncologic disorders	<p>Learn about nasopharyngeal, laryngeal, hypopharyngeal as well as lip, and oral cavity cancers including the epidemiology.</p> <p>List the risk factors contribution to head and neck cancers.</p> <p>Learn how to clinically and radiologically evaluate the staging of these cancers including learning about the endoscopic examination.</p> <p>Understand the various treatment modalities available for nasopharyngeal, laryngeal, lip, and oral cavity cancers, including surgery, radiation therapy and chemotherapy.</p> <p>Additionally, they should appreciate the importance of multidisciplinary collaboration in providing comprehensive patient care</p>	K S C	Face to face		Synchronous Lecturing	<p>Written exam</p> <p>OSCE exam</p> <p>Attendance</p> <p>Evaluation</p>	*
	1.2	Hearing assessment in children	<p>Recall and get in depth understanding of the basic anatomy and physiology of hearing.</p> <p>Realize the importance of childhood hearing screening and its impact.</p> <p>List, understand and interpret the basic tests used in childhood hearing screening including OAE, tympanometry and pure tone audiometry.</p> <p>List the rehabilitation options for children with hearing loss.</p>	K S C	Blended	Zoom	Synchronous Lecturing	<p>Written exam</p> <p>OSCE exam</p> <p>Attendance</p> <p>Evaluation</p>	*
	1.3	Common adeno-tonsillar diseases	<p>Understand the anatomy and physiology of the adenoids and tonsils, including their location, structure, and normal functions.</p> <p>Differentiate between common adeno-tonsillar diseases such as tonsillitis, adenoiditis, and hypertrophy, understanding their respective etiologies and contributing factors.</p> <p>Understand the various diagnostic and treatment modalities for common adeno-</p>	K S C	Face to face		Synchronous Lecturing	<p>Written exam</p> <p>OSCE exam</p> <p>Attendance</p> <p>Evaluation</p>	*



			tonsillar disease including medical and surgical options.						
1.4	Acute and chronic rhinosinusitis	<p>Understand nasal and sinus anatomy relevant to rhinosinusitis.</p> <p>Differentiate between acute and chronic rhinosinusitis and identify symptoms and signs of rhinosinusitis.</p> <p>Develop skills for history-taking, endoscopic examination, and interpreting imaging.</p> <p>Learn medical and surgical treatment, including antibiotics and sinus surgery.</p> <p>Recognize potential complications, such as orbital or intracranial issues.</p>	K S C	Face to face		Synchronous Lecturing	Written exam OSCE exam Attendance Evaluation	*	
1.5	Acute otitis media and otitis media with effusion	<p>Understand the microbial and the pathophysiology of both acute otitis media (AOM) and otitis media with effusion (OME).</p> <p>Recognize clinical features of both and develop skills for accurate otoscopic examination and diagnosis of AOM and OME.</p> <p>Understand microbial and the pathophysiology of both.</p> <p>Learn evidence-based treatment options for AOM, including appropriate use of antibiotics, and recognize the role of watchful waiting in certain cases.</p> <p>Recognize potential complications of AOM.</p>	K S C	Blended	Zoom/ Teams	Synchronous Lecturing	Written exam OSCE exam Attendance Evaluation	*	
1.6	Stridor and tracheostomy	<p>Recognition and assessment of stridor including recognizing the different causes, clinical presentations, and potential complications</p> <p>Understanding Tracheostomy Indications and Procedure</p> <p>Students should be equipped with the knowledge and skills necessary to manage patients with stridor</p>	K S C	Face to face		Synchronous Lecturing	Written exam OSCE exam Attendance Evaluation	*	
1.7	Neck masses	<p>Recap the head and neck embryology and anatomy.</p> <p>List and classify the various differential diagnosis for neck masses in childhood and adulthood.</p> <p>Learn the clinical approach to any neck mass through history, exam, endoscopy and imaging.</p>	K S C	Face to face		Synchronous Lecturing	Written exam OSCE exam Attendance Evaluation	*	



			<p>Learn the clinical features of neck masses caused by malignancies.</p> <p>Understand the medical and surgical treatment for each diagnosis.</p>						
2	2.1	Deafness in adults	<p>Identify and classify the different types of hearing loss.</p> <p>Understand the causes and risk factors for hearing loss among adults.</p> <p>Be able to interpret and recognize the results of the basic audiological tests.</p> <p>Learn about the medical and rehabilitative care for hearing loss.</p>	K S C	Face to face		Synchronous Lecturing	<p>Written exam</p> <p>OSCE exam</p> <p>Attendance</p> <p>Evaluation</p>	*
	2.2	Vertigo	<p>Become aware of the differential diagnosis and the various etiologies of vertigo.</p> <p>Acquire skill in performing a systematic assessment for vertigo patients especially through detailed history and thorough examination including Dix-Hallpike maneuver.</p>	K S C	Face to face		Synchronous Lecturing	<p>Written exam</p> <p>OSCE exam</p> <p>Attendance</p> <p>Evaluation</p>	*
	2.3	External ear conditions	<p>Get a grasp of the various external ear problems including congenital or acquired lesions and infections.</p> <p>Become aware how to differentiate the different pathologies through history and examination.</p> <p>Understand the diverse treatment approaches and interventions for the common conditions such as otitis externa.</p>	K S C	Blended	Zoom/ Teams	Synchronous Lecturing	<p>Written exam</p> <p>OSCE exam</p> <p>Attendance</p> <p>Evaluation</p>	*
	2.4	Epistaxis & nasal trauma	<p>Identify and classify epistaxis and nasal trauma, understanding the different etiologies, risk factors, and severity levels associated with these conditions.</p> <p>Understand appropriate management strategies for epistaxis and nasal trauma, including initial first aid measures and advanced interventions.</p>	K S C	Face to face		Synchronous Lecturing	<p>Written exam</p> <p>OSCE exam</p> <p>Attendance</p> <p>Evaluation</p>	*
	2.5	Chronic suppurative otitis media	<p>Learn about the pathophysiology and clinical presentation of chronic suppurative otitis media.</p> <p>Understand the range of management strategies including medical and surgical options.</p> <p>Become aware of potential complications associated with chronic otitis media and understand the importance of long-term follow-up care, including monitoring for recurrence and addressing hearing-related issues.</p>	K S C	Face to face		Synchronous Lecturing	<p>Written exam</p> <p>OSCE exam</p> <p>Attendance</p> <p>Evaluation</p>	*

\*\* K: Knowledge, S: Skills, C: Competency

\* Lecture notes in ENT



**24. Evaluation Methods:**

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

Evaluation Activity	Mark	Topic(s)	SLOs	Descriptors**	Period (Week)	Platform
Subsurgery OSCI	30	Head and neck oncologic disorders, Hearing assessment in children Common adeno-tonsillar diseases, Acute and chronic rhinosinusitis Acute otitis media and otitis media with effusion Stridor and tracheostomy Neck masses, Deafness in adults, Vertigo, External ear conditions, Epistaxis & nasal trauma, Chronic suppurative otitis media	1.1,1.2,1.3,1.4,1.5,1.6,1.7,2.1,2.2,2.3,2.4,2.5	K S C	Part of the end of sub surgery course exam	Paper-based exam
Evaluation including attendance	20	Head and neck oncologic disorders, Hearing assessment in children Common adeno-tonsillar diseases, Acute and chronic rhinosinusitis Acute otitis media and otitis media with effusion Stridor and tracheostomy Neck masses, Deafness in adults, Vertigo, External ear conditions, Epistaxis & nasal trauma, Chronic suppurative otitis media	1.1,1.2,1.3,1.4,1.5,1.6,1.7,2.1,2.2,2.3,2.4,2.5	K S C	At the end of the 2 weeks ENT rotation	-
End of year MCQ test as part of sub surgery exam	50	Head and neck oncologic disorders, Hearing assessment in children Common adeno-tonsillar diseases, Acute and chronic rhinosinusitis Acute otitis media and otitis media with effusion Stridor and tracheostomy Neck masses, Deafness in adults, Vertigo, External ear conditions, Epistaxis & nasal trauma, Chronic suppurative otitis media	1.1,1.2,1.3,1.4,1.5,1.6,1.7,2.1,2.2,2.3,2.4,2.5	K S C	At the end of each academic year (usually in June)	Computer or paper-based exam
** K: Knowledge, S: Skills, C: Competency						



## 25. Course Requirements

- ✓ Class room Lectures
- ✓ Seminar room
- ✓ Internet connection and lecturing tools (Zoom/ Teams. Etc)
- ✓ Outpatient clinics
- ✓ ENT surgery theatres
- ✓ Audiology testing rooms

## 26. Teaching Methods and Assignments:

**Development of ILOs is promoted through the following teaching and learning methods:**

- ✓ Morning and evening class room/ online lectures
- ✓ Interactive activities and case discussions
- ✓ Outpatient clinics
- ✓ Seminar discussions
- ✓ Observation of ENT common surgeries

## 27. Course Policies:

### A- Attendance policies:

Attendance will be monitored by the course coordinator. Attendance policies will be announced at the beginning of the course.

### B- Absences from exams and handing in assignments on time:

Will be managed according to the University of Jordan regulations. Refer to <http://registration.ju.edu.jo/Documents/daleel.pdf>

### C- Health and safety procedures:

Faculty Members and students must at all times, conform to Health and Safety rules and procedures.

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

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this course and also integrity in your behavior in and out of the classroom. Students violate this policy would be subjected to disciplinary action according to University of Jordan disciplinary policies

### E- Grading policy:

Grade-point average, Rules are preset by the Faculty and Department Councils

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

Availability of comfortable lecture halls, data show, internet service and E learning website <https://elearning.ju.edu.jo/> .



**27. References:**

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

ENT lecture notes

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

Web based resources: Up To Date

**28. Additional information:**

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**Name of Course Coordinator:** Dr Margaret Zuriekat      **Date:** 11/1/2024      **Signature:**

**Head of Department:** Dr Baeth Al Rawashdeh      **Signature:**

**Head of Curriculum Committee/Faculty:** Dr Yaser Rayyan      **Signature:**

**Dean:** Dr Yaser Rayyan      **Signature:**