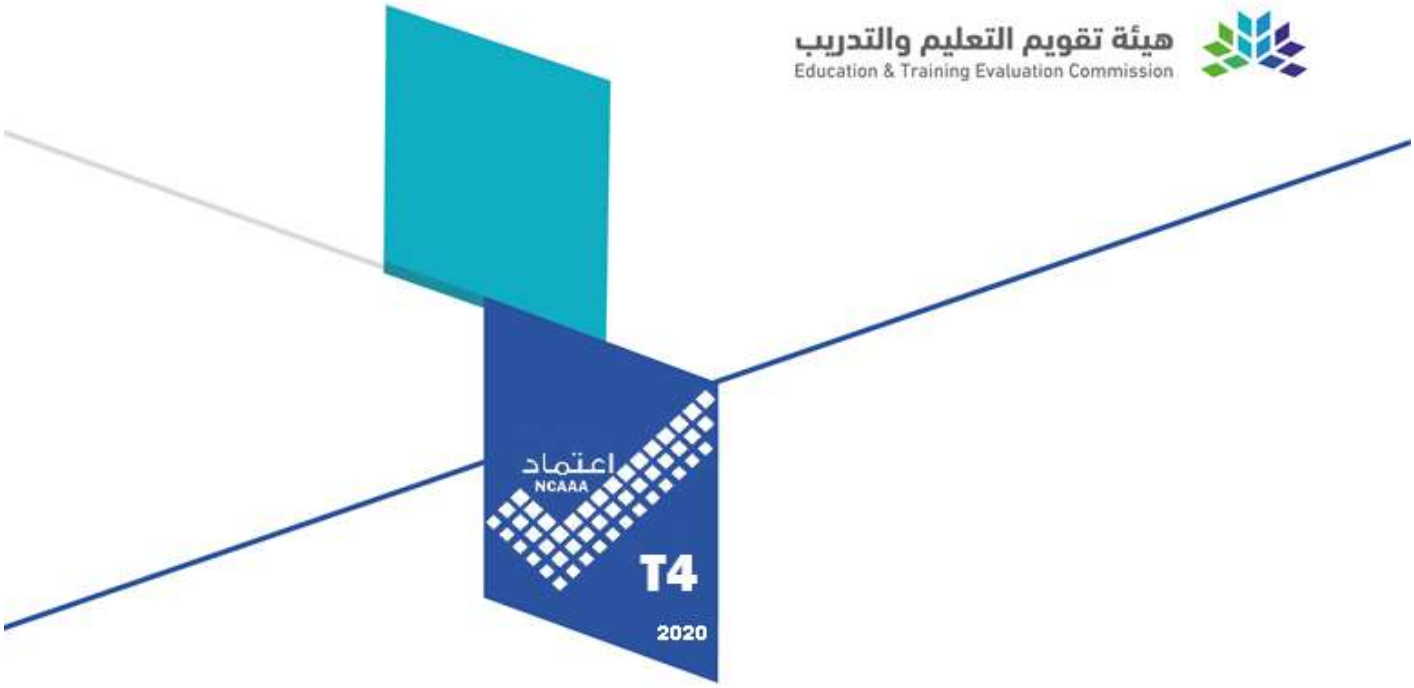
هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission



Course Specifications

Course Title:	Head, Neck and Special Senses Block
Course Code:	HNS242
Program:	Bachelor of Medicine, Bachelor of Surgery (MBBS)
Department:	NA
College:	College of Medicine
Institution:	Alfaisal University

Table of Contents

A. Course Identification

1. Credit hours: 3 (2+2+0)
2. Course type **a.** University ☐ College ■ Department ☐ Others ☐ **b.** Required ■ Elective ☐
3. Level/year at which this course is offered: Sem 4, Year 2
4. Pre-requisites for this course (if any)**:** Sem 1 and 2
5. Co-requisites for this course (if any)**:** None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	39	55%
2	**PBL, TBL, Lab**	32	45%

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	**Lecture**	39
2	**Laboratory/Studio**	
3	**Tutorial**	32
4	**Others** (specify)	
	Total	71

B. Course Objectives and Learning Outcomes

1. Course Description

In this block, students will learn the development and gross and microscopic anatomy of the head, neck, and special senses. Besides, the students will gain insights into the clinical approach to common otolaryngological and ophthalmic presentations. They will learn etiopathogenesis of common head and neck conditions and principles of diagnosis and management strategies.

2. Course Main Objective

To learn the development, gross and microscopic anatomy, and physiology of the head, neck, and special senses. Also, for a meaningful clinical perspective of structure and function, they will relate and apply this knowledge to the relevant pathophysiological and clinical concepts of otolaryngology and ophthalmology diseases.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding**	

CLOs		Aligned PLOs
1.1	Describe the development of head and neck structures and special-sense organs.	PLO3
1.2	Describe microscopic and gross anatomy of orbit, eye, ear, head, face, neck, and nose.	PLO1
1.3	Describe the physiology of vision, olfaction, taste, hearing, and balance.	PLO1
1.4	Describe the etiology, pathophysiology and clinical features of common oral, ophthalmic, and ear nose throat (ENT) related conditions/infections.	PLO1,4,7,9
1.5	Describe the mechanism of action of drugs used in the management of glaucoma.	PLO6,7,12
1.6	Discuss the clinical features of common ophthalmic & ENT disorders, and principles of their diagnosis and management.	PLO1,4,7,10, 12,17
2	**Skills :**	
2.1	Identify the microscopic and gross structures of orbit, eye, ear, head, neck and nose.	PLO1
2.2	Analyze and interpret the clinical data for common diseases of otolaryngology and ophthalmology and be able to make a differential diagnosis.	PLO12,16,18, 30
2.3	Collect throat swab and identify Streptococci through culture and rapid tests.	PLO15,17
2.4	Identify normal head and neck structures with imaging modalities and common radiological abnormalities in diseases of ophthalmology and ENT	PLO5
3	**Values:**	
3.1	Adhere to the attendance policy.	
3.2	Maintain professional conduct with colleagues, faculty, and staff.	

C. Course Content

No	List of Topics	Contact Hours
1	Skull	1
2	Face & Scalp	1
3	Nose and Paranasal sinuses	1
4	Parotid Region	1
5	Temporal and infratemporal fossa	1
6	CN V & VII	1
7	Cervical fascia and posterior triangle of neck	1
8	Anterior triangle of neck	1
9	CN IX, X, XI, XII	1
10	Ear – 1	1
11	Ear – 2 and histology of the ear	1
12	Orbit and extraocular muscles	1
13	Eye – gross and microscopic structures	1
14	Development of face and palate	1
15	Development of Pharyngeal arches	1
16	Development of ear and eye	1

17	Olfaction and taste	1
18	Hearing and balance	1
19	Balance	1
20	Optics and vision	1
21	Vision	1
22	Diseases of the salivary glands and oral cavity	1
23	Laryngeal and nasopharyngeal carcinoma	1
24	Infections of the oral cavity and oral manifestations of systemic infections	1
25	Agents in Infections of the ear and paranasal sinuses	1
26	Bacterial, viral and fungal infections of the eye and the eye cavity	1
27	Anti-glaucoma drugs	1
28	Rhinorrhea and epistaxis	1
29	Sore throat &Tonsillitis	1
30	Neck Swellings	1
31	Deafness	1
32	Otitis & Vertigo	1
33	Red Eye	1
34	Pediatric ophthalmology & ocular motility	1
35	Common Eyelid Conditions	1
36	Visual impairment	1
37	Ocular Manifestation of Systemic Diseases	1
38	Radiological anatomy of head and neck	1
39	Radiology of common HNS lesions	1
40	PBL 1 – Oral ulcers (Leucoplakia and SCC)	4
41	PBL 2 – Innocent bystander (Neck injury)	4
42	PBL 3 – Spinning world (Ear)	4
43	PBL 4 – Swollen eye	4
44	TBL 1 and 2	4
45	Anatomy Lab 1 – Skull, face & scalp, and muscles innervated by the different branches of the cranial nerve V	2
46	Anatomy Lab 2 –Temporal and infratemporal fossa	2
47	Anatomy Lab 3 – Boundaries and contents of the neck and its triangles	2
48	Anatomy Lab 4 – Structures of external, middle and inner ear	2
49	Anatomy Lab 5 – Structures of eye	2
50	Microbiology Lab 1 – Identification of Streptococci	2
Total		71

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	**Knowledge and Understanding**		
1.1	Describe the development of head and neck structures and special-sense organs.	Lectures, TBLs	Continuous and summative assessment

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.2	Describe microscopic and gross anatomy of orbit, eye, ear, head, face, neck, and nose.	Lectures, TBLs, PBLs	Continuous and summative assessment
1.3	Describe the physiology of vision, olfaction, taste, hearing, and balance.	Lectures, PBLs	Continuous and summative assessment
1.4	Describe the etiology, pathophysiology and clinical features of common oral, ophthalmic, and ear nose throat (ENT) related conditions/infections.	Lectures, TBLs, PBLs	Continuous and summative assessment
1.5	Describe the mechanism of action of drugs used in the management of glaucoma.	Lectures	Summative assessment
1.6	Discuss the clinical features of common ophthalmic & ENT disorders, and principles of their diagnosis and management.	Lectures, PBLs	Continuous and summative assessment
2.0	**Skills**		
2.1	Identify the microscopic and gross structures of orbit, eye, ear, head, neck and nose.	Labs	Summative assessment
2.2	Analyze and interpret the clinical data for common diseases of otolaryngology and ophthalmology and be able to make a differential diagnosis.	PBLs	Continuous and summative assessment
2.3	Collect throat swab and identify Streptococci through culture and rapid tests.	Labs	Summative assessment
2.4	Identify normal head and neck structures with imaging modalities and common radiological abnormalities in diseases of ophthalmology and ENT	Lectures, Labs, PBLs, TBLs	Continuous and summative assessment
2.5	Work with fellow students and faculty in a collegial and professional manner during group learning activities like PBL and TBL.	PBLs, TBLs	Continuous and summative assessment
3.0	**Values**		
3.1	Adhere to the attendance policy.		Continuous assessment
3.2	Maintain professional conduct with colleagues, faculty, and staff.		Continuous assessment

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	PBL (4 in number) – Group discussion grades	Weekly	5%

#	Assessment task*	Week Due	Percentage of Total Assessment Score
2	TBL (2 in number) – iRAT and tRAT grades	Every two weeks	5%
3	Final exam (including OSPE)	5	90%

***Assessment task** (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

The CoM program established its own mentorship program that employs all full-time faculty as mentors. Through this program, every medical student in the program is assigned a mentor at the beginning of their first semester of studies. The program has a broad scope covering academic advising and counseling. The mentors handle all aspects related to academic advising, including academic planning, academic performance review, advice on course drop or withdrawal, study skills, and time management.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	• Clinically Oriented Anatomy, Keith L Moore, 8th edition • Purves' Neuroscience 5th edition • Basic & Clinical Pharmacology, Bertram Katzung (Author), Susan Masters (Author), Anthony Trevor 11th edition • Pharmacology, R. A. Harvey and P. C. Champe, Lippincott's Illustrated, 4th Edition • Robbins Basic Pathology 10th edition • Rubin's Pathology. Clinico-pathologic foundation of medicine, 5th Edition • Mims' Medical Microbiology, 5th Edition.
Essential References Materials	• Current Diagnostics and Treatment in Otolaryngology and Head and Neck Surgery. Anil Lalwani (Author) 3rd Edition • Parson's diseases of the eye, 21st Edition • PBL case-scenarios
Electronic Materials	PowerPoint presentations uploaded on Alfaisal E-learning Portal
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms, Anatomy Resource Center, Microbiology Lab

Item	Resources
Technology Resources (AV, data show, Smart Board, software, etc.)	AV (Audio-Visual), Smartboard, Moodle (E-learning Management)
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Course and Faculty Evaluation Survey	Students	Survey

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)
Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	