

Anatomy of the special senses Theory & Practical course plan

Semester: Second term	Year: 2024-2025
M.D. program Course Syllabus	
Course Title: Anatomy of the special senses	Department: Department of Anatomical Sciences
Course Code: 1234059	Instructor: Dr Gholam Reza Dashti & Dr Hossein Salehi
Location of teaching the course:	Credit Hours: 6 Hours (Theo), 4 Hours (Practical)
Prerequisite: none	Credit Units: 0.9 (Theo.)
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Number of students: 28	
Brief course description: <p>This course is designed for second year medical students in which is an introduction to anatomy of eye, ear, human body tissues (General histology) and embryo development (general embryology). The vision (the eye), hearing and balance (the ear, which includes the auditory system and vestibular system) will be covered within Anatomy of the special senses, integrating anatomy with histology and embryology. This course includes lectures and laboratory experiences in the study of the auditory and visual systems, it will provide foundational knowledge for students destined to undertake advanced studies in anatomy and physiology, and will develop analytical laboratory skills.</p>	
Learning outcomes: <p>On satisfying the requirements of this course, students will have the knowledge and skills to:</p> <ol style="list-style-type: none"> 1. Identify and describe the bones, fissures and foramina of orbital cavity. 2. Describe the structure and function of the eye ball with eyelids, lacrimal glands and clinical anatomy. 3. Explain the extra-ocular muscles, functions, blood vessels & nerves and clinical anatomy. 4. Describe the structure and function of an ear (external ear, middle ear & internal ear) and clinical anatomy. 5. Explain the process of the eye development. 6. Identify and describe the major histological structures of the eyeball. 7. Discuss the histological structural of accessory structures of the eye. 8. Explain the process of the ear development. 9. Describe the major histological structures of the external ear. 10. Identify and describe the major histological structures of the middle ear. 11. Describe the structure and function of the internal ear. 	
References (Text books): <ol style="list-style-type: none"> 1. Gray's anatomy for students: Chapter of Orbit & Eye by: Richard L. Drake, A. Wayne Vogl, Adam W.M. Mitchell (preferably the latest edition) 2. Histology textbook: Chapter 23 of Basic histology: Text & Atlas By: Jonquiere, LS & Cornier, J (preferably the latest edition). 3. Embryology Textbook: Chapters 19 and 20 of Lang man's Medical Embryology By: T. W. Sadler (preferably the latest edition) 	

ASSESSMENT TOOLS

(The assessment tools that will be used to test students ability to understand the course material and gain the skills and competencies stated in learning outcomes)

ASSESSMENT TOOLS	From 20
Final Exam	16
Class activities	1.5
Practical Exam	2.5
TOTAL MARKS	20

Students responsibilities:

- 1- Prepare for the class in advance
- 2- Break down every system into its basic components.
- 3- Use the lectures outline (PowerPoint presentations) and handouts (if any) as a guideline for your study.
- 4- Study the course components using the required book, atlas and the websites.
- 5- Reconstruct the system so that it is functional and understandable.
- 6- Students are expected to spend 2-3 hours studying for each hour in class.
- 7-By now the students are expected to end up with an understanding of the subject.
- 8-The students' understanding will be evaluated and given a grade using MCQs and/or any form of evaluation.

ATTENDANCE RULES

Attendance and participation are extremely important, and the usual University rules will apply. Attendance will be recorded for each class.

- Absence will result in a 0.5point deduction on the final score for each session.
- If a student arrives late (5 minutes) in a class, he'll be marked as LATE and two late will be considered as one absent.
- If a student arrives after 10 minute he'll be marked as absent.
- Absence of more than three sessions will result in forfeiting the course and the student will not be permitted to attend the final examination. Should a student encounter any special circumstances (i.e. medical or personal), he/she is encouraged to discuss this with the instructor and written proof will be required to delete any absences from his/her attendance records.

In laboratory, lab coats are mandatory, no student will be allowed in the lab without a clean lab coat. Students are expected to act in a civil manner and respect the rights and opinions of other students and the instructor. Student/Instructor interaction is a function of the learning experience and should be approached in a manner conducive to the learning process.

Use of Mobile Devices, Laptops, etc. During Class, unexpected noises and movement automatically divert and capture people's attention, which means you are affecting everyone's learning experience if your cell phone, laptop, etc. makes noise or is visually distracting during class. For this reason, students are required to turn off their mobile devices and close their laptops during class.

Department's Attitudes

Ethics, Critical thinking, hard work and discipline:

Examination attitudes any evidence of cheating on a test will result in the student receiving (0 mark) for the test and will be announced through the lectures so all the students will be informed.

The instructor will be the final authority on whether cheating has occurred.

Cellular phones and notebooks are band and disruptive and are not allowed during the exam periods because they mean an act of cheating, therefore students are advised to enter the exams without them.

Mid exam date:

Final exam date:

THEORY ANATOMY SPECIAL SENSES COURSE SYLLABUS

No. of Session	Chapter	Page	Course topics	Time (Hour)	Date
1	Orbital cavity		Orbital cavity (bones of orbit, fissures, foramina).	2	24/11/1403
2	Eye	490-500	Eyelids, lacrimal apparatus, muscles of eye & clinical anatomy.	2	01/12/1403
3	Eye	500-509 360-368	Eye -blood vessels, nerves,	2	08/12/1403
4	Eye		Eye ball & its contents. Clinical anatomy.	2	15/12/1403
5	Ear	٢٥٩-٢٥١	Ear (external ear, middle ear)	2	03/02/1404
6	Ear	517-521	Ear (internal ear & clinical anatomy)	2	10/02/1404
7	23	1232-1276	Histology of Eye	2	17/02/1404
8	23 20	1276-1232	Histology and development of Eye	2	24/02/1404
9	23 19	1277-1305	Histology and development of Ear	2	31/02/1404
10	١٩ ٢٣	١٣٠٥-١٢٧٧	Histology and development of Ear	٢	07/03/1404

Practical anatomy

No. of Session	Slides	Course topics	Time (Hour)	Date
1	Skull	Skull-orbital cavity, with fissures, foramina, eyelids, lacrimal apparatus	2	20/01/1404
2	Models	Eye (extra-ocular muscles & structure of eyeball.)	2	27/01/1404

3	Models	Ear (Ear lobule, external ear, middle ear & internal ear).	2	13/02/1404
4	Histology practical	Eye & Ear slides	2	13/03/1404
5	Special senses anatomy exam	Eye & Ear		