School of Medicine

Anatomy Department

Course title: Head Neck- Theory

Credit: Theory 1.2 Practice 0.5

Course lecturers:

Midterm, Bone contents: about 40% of the whole mark

Final contents: about 60% of the mark

Mid exam grade: 8

Final Exam grade: 12

References: Snell & Gray's anatomy for students

Theory course description:

Teaching the principles of head and neck anatomy, which includes bones, muscles, vessels, and nerves

Learning Objectives:

After learning, the student should be able to describe the:

Some terms related to the skull like sutures, fontanelles, and landmarks.

Aspects of the skull, one by one (anterior, posterior, superior, inferior), and the Base of the skull

Scalp (layers, innervation & blood supply)

Meninges (layers, dural folds & sinuses) and clinical notes

About neck: Fascia (superficial &deep), neck triangles, muscles (SCM, Trapezius, suprahyoid muscles, Infrahyoid muscles as strap muscles, scalene muscles), and function.

Cervical plexus, cervical Ansa, and skin innervation and innervation of muscles of the neck,

Arteries and veins of the neck (external carotid and branches /external jugular formation &internal jugular formation) and lymphatic drainage of the neck (superficial and deep).

Face: Muscles, arteries (facial & branches, superficial temporal and some branches of ophthalmic), veins (facial, superficial temporal and some branches to ophthalmic vein) and lymphatic drainage of the face.

Innervation of facial muscles (facial nerve and branches), skin innervation of face (trigeminal branches &Great auricular nerve) -mastication muscles, innervation and function

Infratemporal boundaries &contents include muscles inside the Infratemporal fossa &, nerves inside the Infratemporal fossa (mandibular branches, optic ganglion, chorda tympani), and arteries inside the Infratemporal fossa (branches of maxillary artery). Veins (pterygoid plexus)

Pterygopalatine fossa & contents (maxillary nerve, third part of maxillary artery and branches) and TMG

Salivary gland (parotid, submandibular & sublingual) & thyroid gland (structure, blood & nerve supply)

Embryology of head &neck

Practice course description:

Illustrating, naming, and explaining the bones, muscles, vessels, and nerves (of head & neck)

Via cadaver and moulages &bones

Learning Objectives:

After learning, the student should be able to show and name the: 1- Bones of the skull (in anterior, posterior, superior, and inferior aspects), and TMG& Atlantooccipital Joints.

Cranial cavity: Bone of skull base (intracranial & extracranial) & sinuses and cranial nerve passing

Scalp (layers, innervation & blood supply) – meninges (layers, blood supply)

Triangles (ant& post triangles, supra& Infrahyoid regions and triangles), muscles of the neck (supra& Infrahyoid muscles, SCM, trapezius, Platysma, scalene). thyroid gland and submandibular glands

cervical plexuses (motor part or Ansa cervical and branches -sensory part with branches), carotid sheet (jugular, carotid arteries, vagal nerve),

External carotid artery and branches &veins of the neck (external, anterior &internal jugular veins)

face: muscles, arteries & veins (facial, superficial temporal and branches of ophthalmic) and mastication muscles, parotid gland

sensory (branches of the trigeminal nerve) and motor innervation of the face (branches of the facial nerve)

Theory

	Subject	**Lecturer**	**Presentation Method** **Theoretical lectures**	**Time**	**Tuesday**
1	Skull terminology -Bones of the in the sup &posterior view of the skull	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**06 oct 2026**
2	Bones of the anterior view of the skull	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**13 oct 2026**
3	Lateral view of **skull-Temporal-Infratemporal & Pterygopalatine fossae**	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**20 oct 2026**
4	Floor of cranial cavity - cranial nerve passing and sinuses	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**03 Nov 2026**
5	Bones of the Inferior view of skull -Mandibular bone	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**10 Nov 2026**
6	Neck (fascia/tringles/muscles/) cervical plexus	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**17 Nov 2026**
7	Face (muscles / sensory innervation/motor innervation) and parotid gland	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**24 Nov 2026**
8	Vessels of the neck (veins & arteries and lymphatic vessels) -	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**01 Dec 2026**

	submandibular gland, thyroid gland				
9	Vessels of the face and scalp (artery & vein and lymphatic vessels) Innervation of the scalp	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**08 Dec 2026**
10	Temporal, infratemporal, pterygopalatine fossa (boundaries and contents)	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**15 Dec 2026**
11	Embryology of head & neck	**Dr. Eftekharzade**	**Theory - Attendance class**	**8-10 : A Group** **10-12: B Group**	**22 Dec 2026**

Practice:

	Subject	Lecturer	Presentation Method Practical lectures via bones/moulages cadaver	Time	Tuesday
1	Bones of the sup &posterior	**Dr. Eftekharzade**	**Practice - Attendance class**	**8-15**	**24 Oct 2026**
2	View of the skull, Bones of the anterior view of skull	**Dr. Eftekharzade**	**Practice - Attendance class**	**8-15**	**31 Oct 2026**
3	lateral view of skull-Temporal-Infratemporal & Pterygopalatine fossae	**Dr. Eftekharzade**	**Practice - Attendance class**	**8-15**	**07 Nov 2026**
4	Floor of cranial cavity -cranial nerve passing and sinuses	**Dr. Eftekharzade**	**Practice - Attendance class**	**8-15**	**14 Nov 2026**
5	Bones of the Inferior view of skull -Mandibular bone	**Dr. Eftekharzade**	**Practice - Attendance class**	**8-15**	**21 Nov 2026**
6	tringles/muscles of the neck, Face (muscles)	**Dr. Eftekharzade**	**Practice - Attendance class**	**8-15**	**28 Nov 2026**
8	sensory innervation/motor innervation Face & neck (fascial nerve branches and Cervical Plexus)	**Dr. Eftekharzade**	**Practice - Attendance class**	**8-15**	**05 Dec 2026**
9	Vessels of the face &neck, and scalp	**Dr. Eftekharzade**	Practice - **Attendance class**	**8-15**	**12 Dec 2026**