#### **OTO 7204: Advanced Anatomy of the Head, Neck, and Central Nervous System**

##### **Course Objectives**

By the end of the course, the student should be able to:

1. Understand the anatomy of the ear, nose, paranasal sinuses and pharynx
2. Identify structures relevant to ENT by cadaver dissection
3. Describe the course and supply of nerves, arteries and veins supplying structures relevant to ENT
4. Describe the structures of the neck and central nervous system

##### **Course Content**

1. The vertebral column
2. Osteology and embryology of the skull and face
3. The scalp and face
4. Extracranial course of the cranial nerves
5. The triangles of the neck
6. The root of the neck,
7. Thyroid and parathyroid glands
8. Temporal and infratemporal fossae
9. Temporomandibular joint and mandible
10. Salivary glands,the mouth, the nose, the pharynx and larynx, pharyngeal arches and their derivatives,
11. The ear, the orbit and the eye
12. The cranial cavity
13. Development, topography and structure of the brain
14. Spinal cord and peripheral nerves
15. The structure of the neurons
16. The autonomic nervous system
17. The intracranial course of the cranial nerves
18. The hind brain
19. The mid brain
20. The cerebellum
21. The cerebrum
22. The reticular formation and limbic system
23. The ventricles
24. The tracts of the brain
25. Blood supply of the brain and spinal cord