BELARUSIAN STATE MEDICAL UNIVERSITY

DEPARTMENT OF HUMAN MORPHOLOGY

THEMATIC PLAN OF LABORATORY CLASSES

For the second-year dentistry students

3rd SEMESTER (2026-2027)

1st week (September 01-04)

(T) *Pract. Class*: "Subject and tasks of topographic anatomy and operative surgery. Surgical instruments. Disconnecting and connecting of the tissues. Stitches and knots. Types of anesthesia" (4h)

(A) *Lab. Class*: "Neck: borders, areas and triangles. Sources of development, topography, blood supply, nerve supply of the neck muscles" (3h)

2nd week (September 07-11)

(T) *Pract. Class*: "The topography of the suprahyoid region, the layer structure of the submental and submandibular triangle" (4h)

(A) *Lab. Class:* "Fascia of the neck: classification according to V.N. Shevkunenko and International anatomical terminology. Spaces of the neck" (3h)

3rd week (September 14-18)

(T) *Pract. Class*: "Topography of the infrahyoid region of the neck. The layer structure of the carotid triangle. Main arteries and veins of the neck" (4h)

(A) *Lab. Class*: "Spinal nerves are the cervical plexus. Cervical sympathetic trunk" (3h)

4th week (September 21-25)

(T) *Prac. Class*: "The layer structure of the sternocleidomastoid region and lateral cervical region" (4h)

(A) *Lab. Class*: "Structural and functional characterization of the glossopharyngeal (IX), vagus (X), accessory (XI), and hypoglossal (XII) nerves" (3h)

5th week (September 28-October 02)

(T) *Pract. Class*: "Ligature of the external carotid artery. Tracheostomy. Incision of the neck phlegmons and abscesses. Vagosympathetic block" (4h)

(A) *Lab. Class:* "Skeletotopy, holotopy and synotopy of the neck organs; sources of blood supply, innervation and outflow of lymph drainage" (3h)

6th week (October 05-09)

(T) *Pract. Class*: "Development, blood supply and innervation of neck organs". Control quiz "Clinical anatomy of the neck" (4h)

(A) *Lab. Class:* "Bone base and soft tissues of the face: sources of their blood supply, innervation and ways of lymph drainage" (3h)

7th week (October 12-16)

(H) *Lab. Class*: "The principles of the structural organization of the salivary glands. Microscopic structure of the parotid, submandibular and sublingual glands" (4h)

(H) *Lab. Class*: "Glands of the oral cavity. Microscopic structure of minor salivary glands" (3h)

8th week (October 19-23)

(T) *Pract. Class*: "Topography of the buccal and infraorbital regions. Primary surgical treatment of facial head wounds" (4h)

(A) *Lab. Class:* "Oral region. Layered structure of the walls of the vestibule and the oral cavity proper" (3h)

9th week (October 26-30)

(H) *Lab. Class*: "General plan of the structural organization of the tooth. Microscopic structure of enamel. Metabolism, nutrition, age-related changes in enamel" (4h)

(H) *Lab. Class*: "Microscopic structure of dentin. Blood supply, innervation, physiological and reparative regeneration of dentin" (3h)

10th week (November 02-06)

(T) *Pract. Class*: "The layer structure of the parotid-masticatory region" (4h)

(A) *Lab. Class*: "Development, structure, function of the masticatory muscles. Temporo-mandibular joint. Sources of blood supply and innervation, regional lymph nodes" (3h)

11th week (November 09-13)

(H) *Lab. Class*: "Microscopic structure of the tooth pulp. Functions, blood supply, innervation, age-related changes in the pulp. Periodontium. Cementum: cellular and acellular" (4h)

(H) *Lab. Class*: "Microscopic structure of the periodontal ligament, blood supply and innervation. Alveolar bone. Histologic changes during tooth movement. Histological aspects of endosseous dental implantation" (3h)

12th week (November 16-20)

(H) *Pract. Class*: "Development of the tooth in embryogenesis. Formation of the tooth germ. Morphogenesis of the tooth crown. Organogenesis of the roots of teeth. Tooth eruption. Congenital anomalies in the tooth development" (4h)

(H) *Lab. Class*: Final class on the topic "Structure and development of tooth and its supporting tissues" (3h)

13th week (November 23-27)

(T) *Pract. Class*: "Topography of the deep facial region" (4h)

(A) *Lab. Class*: "General anatomy of permanent teeth; sources of blood supply and innervation, regional lymph nodes. Morphological justification of dental anesthesia" (3h)

14th week (November 30-04 December

(H) *Lab. Class*: "Morphogenesis of the face and mouth. Pharyngeal apparatus, its structures and derivatives" (4h)

(H) *Lab. Class*: "Congenital malformations of the face and neck. Prevention of congenital pathology" (4h)

15th week (December 07-11)

(T) *Pract. Class*: "Private anatomy of teeth: incisors, canines, premolars and molars. Milk teeth" (4h)

(A) *Lab. Class*: "The eye and its associated structures. Nasal region. Topography of the paranasal sinuses" (3h)

16th week (December 14-18)

(T) *Pract. Class*: "The neurocranium. Topography of the frontal-parieto-occipital and temporal region" (4h)

(A) *Lab. Class*: "The skeleton of the cerebral skull. Topography of the base and calvarium of the skull. Fibrous and cartilaginous joints of the skull. Skull shapes" (3h)

17th week (December 21-25)

(T) *Pract. class*: "Final class: "Clinical anatomy of the head". (4h)

(T) *Pract. class*: "Topography of the mastoid region. Surgical treatment of cranial wounds. Craniotomy". Reception of practical skills in operative surgery. Credit" (3h)

18th week (December 28-January 01)

(A) *Lab. Class*: "Individual variability of the structure of the dentismal system" (3h)

Notes:

1) Designations: **A** – classes on Human **A**natomy; **H** – classes on **H**istology, cytology, embryology; **T** – classes on **T**opographic anatomy and operative surgery
2) Number of the auditory hours:
   a) on Histology, Cytology, Embryology-36 hours (lab.)
   b) on Human Anatomy-36 hours (lab.)
   c) on Topographic Anatomy and Operative Surgery-51hours (pract.)
3) Intermediate assessment:
   a) on Histology, Cytology, Embryology – exam
   b) on Human Anatomy – exam
   c) on Topographic Anatomy and operative surgery (practical skills) – credit
4) Classes on December 25, January 1 and 7 (holidays) are transferred to the category of independent work.

Head of Human Morphology Department **S.L.Kabak**