

**BELARUSIAN STATE MEDICAL UNIVERSITY
DEPARTMENT OF HUMAN MORPHOLOGY**

**THEMATIC PLAN OF LABORATORY CLASSES
ON “HUMAN ANATOMY” AND “HISTOLOGY, CYTOLOGY, EMBRYOLOGY”**

For the first-year dental students

FIRST SEMESTER 2026/2027

1st week (September 01-04)

(H) Lab class: “Objects and methods of research in histology and cytology. The main steps of histological slides preparation. Rules of working with a light microscope. Fundamentals of cytology”

2nd week (September 07-11)

(H) Lab class: “Fundamentals of human embryology. Developmental periods. Fertilization. Cleavage. Gastrulation. Mechanisms of organogenesis and histogenesis”

3rd week (September 14-18)

(H) Lab class: “General principles of structural organization of tissues: cells, extracellular matrix. The structure of the surface epithelium. Morphology of the glandular epithelium”

4th week (September 21-25)

(H) Lab class: “General morphology of blood and lymph. Structure and functions of blood cells. Hematopoiesis”

5th week (28 September -02 October)

(H) Lab class: “General principles of development and structural organization of body tissues. Final class on the topics: “Cytology”, “Embryology”, “Epithelial tissues”, “Blood and hematopoiesis”

6th week (October 05-09)

(A) Lab class: “Anatomy as an academic discipline. The axial skeleton vertebral column. Thorax skeleton”

7th week (October 12-16)

(A) Lab class: “Skull. Neurocranium»

8th week (October 19-23)

(H) Lab class: “General principles of connective tissue organization. Connective tissue proper: loose and dense. Specialized connective tissues”

9th week (October 26-30)

(A) Lab class: “Skull. The facial bones of skull”

10th week (November 02-06)

(A) Lab class: “Skull as a whole. Frontal, lateral, posterior, superior aspects. Age anatomy of the skull”

11th week (November 09-13)

(A) Lab class: “The appendicular skeleton. Skeleton of upper and lower limbs”

12th week (November 16-20)

(A) Lab class: “Classification of bone connection. Connection of cranium bones, trunk, upper and lower limbs”. Final control of the section “Osteology. Arthrology”

13th week (November 23- 27)

(H) Lab class: “Skeletal tissues. Morphofunctional characteristics of cartilage: classification, cells and extracellular matrix, growth, histogenesis, regeneration. Morphofunctional characteristics of bone tissues: classification, cells and extracellular matrix, growth, histogenesis, regeneration”

14th week (November 30- December 04)

(A) Lab class: “General characteristics of muscles. Neck muscles. Neck fascia”

15th week (December 07-11)

(H) Lab class: “Morphofunctional characteristics of smooth muscle tissue. Morphofunctional characteristics of striated muscle tissues”

16th week (December 14-18)

(H) Lab class: “General morphofunctional characteristics of nervous tissue, sources of development. Final class on the topics: “Connective tissues”, “Muscle tissues”, “Nervous tissue”. Credit

18th week (28 December- 1 January)

(A) Lab class: “Muscles and fascia of the head”

19th week (January 14-18)

(A) Lab class: “Muscles of trunk, upper and lower limbs”. Final control of the section “Myology”. Credit

Notes:

- 1) Designations: **A** - classes on Human Anatomy; **H** - classes on Histology, Cytology, Embryology
- 2) Number of the auditory hours:
 - on Histology, Cytology, Embryology – 36 hours (lab.)
 - on Human Anatomy – 36 hours (lab.)
- 3) Intermediate assessment:
 - on Histology, Cytology, Embryology – credit
 - on Human Anatomy – credit
- 4) Classes on December 25, January 1, 7(holidays) are transferred to the category of independent work.

Head of Human Morphology Department



S.L.Kabak