

Doctoral School: **Biology Doctoral School**
Doctoral Program: Neuroscience and Human Biology

Subject code: **BIO/7/56**

Subject title: **Human morphology I L**

Teacher and Neptun code: **Dr. Zsákai Annamária (D5223E)**

Credits: 4

Class hours: 2 hours/week, lecture

Aims of the course

The lecture presents the structure and function of the human circulatory, respiratory, digestive, urogenital organs. It also describes the structure and function of the hormonal system, nervous system and sensory organs.

Course contents

The structures of the blood vessels, the structure and function of the lymphatic organs

The structure and function of the heart

The structure and function of the digestive apparatus

The structure and function of the respiratory apparatus

The structure and function of the urogenital apparatus

Anatomy of endocrine glands

Anatomy of nervous system: the structure of the brain and the spinal cord, Vascularisation of the brain and the spinal cord, cerebrospinal fluid, meninges of the brain and medulla spinalis

Cranial nerves, Spinal nerves, The sympathetic and parasympathetic system I, The sympathetic and parasympathetic system II,

Macroscopic structure of the eyes and the orbita, Macroscopic structure of the ears, external ear, middle ear, auditory ossicles, internal ear

The structure of the skin, the organs of taste and smell

Genital organs I: female genital organs: ovaries, uterine tube, uterus, vagina, external organs

Genital organs II: male genital organs: testes and their coverings, ductus deferens, vesiculae seminales, ejaculatory ducts, penis, prostate, bulbourethral glands, external organs

Female and male external organs, secondary sexual characteristics

Requirements

Written exam

Literature

lecture slides available in pdf

Kiss, F., Szentágothai, J. (1984) Az ember anatómiájának atlasza, I-II-III. Medicina, Budapest.

Netter, F. (2004) Humán anatómiai atlasz. Medicina, Budapest.

