



Course title: HUMAN FUNCTIONAL ANATOMY

ECTS credit allocation (and other scores): 3

Semester: spring

Level of study: ISCED-6 - first-cycle programmes (EQF-6)

Branch of science: Natural sciences

Language: English

Number of hours per semester: 45

Course coordinator Krystyna Bogus-Nowakowska/ Department of Animal Anatomy and Physiology email: boguska@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: Structure and function of the human skeleton; osteological features of individual human bones. General arthrology; structural and functional classification of joints. Structure and function of the muscular system. The structure and function of the following systems: digestive, respiratory, urinary, reproductive, cardiovascular, endocrine, nervous - with emphasis on morphological features and major functions of the brain. Macroscopic features and major functions of the special senses. Integumentary system; the structure of the skin and its derivatives - nails, hair and glands

LECTURES: Anatomy as a biological science. Human body as an integrated structural and functional system - overview of organ systems with functional aspects: the skeletal, muscular, digestive, respiratory, circulatory, urinary, male/female reproductive, endocrine, nervous, and integumentary systems and special senses, with an emphasis on practical skills in recognizing anatomical structures and its topography in human body. Integrative role of the nervous and endocrine systems. Functional importance of the limbic system and cortical regions of the human cerebrum

LEARNING PURPOSE: The cognition of the human body. Knowing the relationship between a structure and function of organs

On completion of the study programme the graduate will gain:

Knowledge: Knows the human anatomy. Understands the relationship between a structure and function of organs

Skills: Recognizes the human body as a morphologically and physiologically integrated system

Social Competencies: Recognizes the importance of a healthy lifestyle. Is interested in expanding the knowledge

Basic literature: Michael McKinley, Human Anatomy, ed. McGraw-Hill Education, 2015

Supplementary literature: Different authors, Atlases of human anatomy, wyd. Different publishers

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 49

Student's independent work: 26