



Course syllabus - part A Anatomy 2/2

48SJ-ANATII
ECTS: 4.20
CYCLE: 2022L

SUBJECT MATTER CONTENT

TEACHING OBJECTIVE

The aim of the study: each of the students should know the anatomical nomenclature in English, he/she should identify and recognized the principles of the proper human topographical description, axes, and the planes of the human body and the cavities of the human bodies. The students understand the basis of embryological development for comprehensive anatomical structures. They know in detailed the proper structure of tissues and organs, and they understand the relationship between them and their structures and function. They also know the palpable anatomy. The students have knowledge and they analyze movements of the joints. They understand the anatomy of various organs in the topographical and systematic and descriptive approach. They are able to identify and correctly name each anatomical structure on the basis of prosections and dissections of the human bodies and on the basis of radiological images (X-ray, CT, MRI, and angiography) and the individual living people as well. The students have the anatomical basis for the interpretation of radiological images with elements of ultrasound, CT and MRI . They apply the theoretical basis of anatomy into the clinic and they properly interpret the clinical situations and clinical cases. They treat the human bodies and the human remains with the highest respect. Each of the students can work alone and in a small discussion group. Together with colleagues, they solve the problems on the basis of anatomical clinical cases

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:

M/NM+++, M/NMA_P7S_KO+, M/NMA_P7S_KR+

Symbols for outcomes related to the field of study:

A.U5.+ , K.5.+ , K.7.+ , K.8.+ , A.W2.+ , KA7_KO1+ , A.U4.+ , A.W3.+ , A.W1.+ , A.U3.+

LEARNING OUTCOMES:

Knowledge:

W1 - anatomic, histological, and embryological nomenclature in the Polish and English languages;

W2 - the composition of the human body in terms of its topography (upper and lower limbs, the chest, abdomen, pelvis, back, neck, head) and functions (the osteoarticular system, muscular system, cardiovascular system, respiratory tract, digestive system, urinary tract,

Legal acts specifying learning outcomes:
672/2020

Disciplines: medical sciences

Status of the

course:Obligatoryjny

Group of courses:A - przedmioty podstawowe

Code: ISCED 0912

Field of study:Medicine

Scope of education:

Profile of education:

General academic

Form of studies: full-time

Level of studies: uniform master's studies

Year/semester: 1/2

Types of classes: Lecture, Classes

Number of hours in semester:Lecture: 20.00, Classes: 80.00

Language of instruction:English

Introductory subject:

Prerequisites: Knowledge about human morphology and physiology

Name of the organisational unit conducting the course:Katedra Anatomii

Person responsible for the realization of the course:mgr Marcelina Łopińska, prof. dr hab. n. med.

Jerzy Gielecki, mgr inż. Katarzyna Polak-Boroń

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Additional remarks:

procreation systems, nervous system and sense organs, the common integument);

W3 - the topographic relations between individual organs;

Skills:

U1 - explain the anatomical grounds of physical examination;

U2 - formulate conclusions as to the relations between anatomical structures based on intravital diagnostic tests, especially of the radiological type (plain film, tests with contrast agents, computer tomography, and nuclear magnetic resonance);

U3 - use the anatomic, histological, and embryological nomenclature in speech and writing.

Social competence:

K1 - Perceiving and recognizing one's own limitations and self-assessing educational deficits and needs;

K2 - The use of objective sources of information;

K3 - Formulate conclusions from own measurements or observations

K4 - treats human bodies and remains with dignity and respect

TEACHING FORMS AND METHODS:

Lecture(W1;W2;W3;U1;U2;U3;K1;K2;K3;K4;);

Classes(W1;W2;W3;U1;U2;U3;K1;K2;K3;K4;);

FORM AND CONDITIONS OF VERIFYING LEARNING

OUTCOMES:

Lecture: Written exam - (yes/no questions test) - solved 100 MCQ questions type - true / false (max. 500 points) - passing 70% (W1;W2;W3;U1;U2;U3;K1;K2;K3;K4;);

Lecture: Oral exam - -understanding and analysis of clinical anatomy problem using 3 problem based question (W1;W2;W3;U1;U2;U3;K1;K2;K3;K4;);

Lecture: Exam - - practical examination (standardized examination) - recognize and name selected anatomical structures in accordance with the applicable anatomical nomenclatures in English - passing 70% (W1;W2;W3;U1;U2;U3;K1;K2;K3;K4;);

Classes: Evaluation of the work and cooperation in the group - - small teaching group classes and problem-based classes with "brainstorm" discussion (W1;W2;W3;U1;U2;U3;K1;K2;K3;K4;);

Classes: Colloquium test - - solved 20 MCQ questions type - true / false (max. 100 points) - passing 70% (W1;W2;W3;U1;U2;U3;K1;K2;K3;K4;);

Classes: Colloquium practical - - recognize and name selected 20 anatomical structures in accordance with the applicable anatomical nomenclatures in English (W1;W2;W3;U1;U2;U3;K1;K2;K3;K4;);

BASIC LITERATURE:

1. Gielecki J, Żurada A , *Clinical Anatomy Bones Joints and Ligaments with 3D phantogram atlas*, Wyd. MedRadEd, R. 2018

2. Richard Drake A. Wayne Vogl Adam Mitchell, , *Gray's Anatomy for Students*, Wyd. Elsevier , R. 2018

3. Peter Abrahams, Johannes Boon, Jonathan Spratt, Marios Loukas, Albert VanSchoor, *McMinn and Abrahams' Clinical Atlas of Human Anatomy 7th Edition*, Wyd. Elsevier, R. 2013

4. Frank H. Netter, *Atlas of Human Anatomy*, Tom 1-3, Wyd. Elsevier Urban Partner, R. 2018

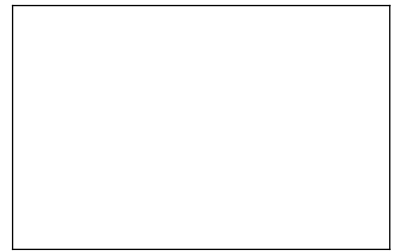
5. Gielecki J, Żurada A , *Axial Skeleton Clinical anatomy of skull and spine*, Wyd. MedRadEd, R. 2016

6. Torsten Bert Moeller Torsten Bert Moeller Emil Reif , *Pocket Atlas of Sectional Anatomy Computed Tomography and Magnetic Resonance Imaging*, Wyd. Thieme, R. 2017

7. Torsten Bert Moeller Torsten Bert Moeller Emil Reif , *THIEME Atlas of Anatomy Series*, Wyd. Thieme, R. 2010

SUPPLEMENTARY LITERATURE:

1. Loukas M, Stephen W. Carmichael, *Gray's Anatomy Review*, Wyd. Elsevier, R. 2016
2. David L. Felten, Anil Shetty, *Netter's Atlas of Neuroscience*, Wyd. Elsevier, R. 2010
3. Gielecki J, Żurada A, gajda G, Cybulski W, *The Brain Matters. CD English-Latin-Polish Atlas of Neuroanatomy*, Wyd. Górnicki , R. 2008



Detailed description of ECTS credits awarded - part B

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ECTS: 4.20
CYCLE: 2022L

Anatomy 2/2

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Lecture	20.0 h
- participation in: Classes	80.0 h
- consultation	5.0
	Total: 105.0 h.

2. Independent work of a student:

Total: 0 h

contact hours + independent work of a student Total: 105.0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 105.0 h : 25.0 h/ECTS = 4.20 ECTS on average: 8.0 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher: 0,00 ECTS points,

- including the number of ECTS credits for hours of independent work of a student: