Attachment No. 5 to Rector's ordinance No. 22/2020

DESCRIPTION OF THE COURSE OF STUDY

Course code		**0912.7.LEK.B.A**
Name of the course in	Polish	**Anatomia**
	English	**Anatomy**

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of study	Medicine
1.2. Mode of study	full-time
1.3. Level of study	uniform Master's study
1.4. Profile of study*	General academic
1.5. Person/s preparing the course description	prof. dr hab. Marcin Sadowski
1.6. Contact	msadowski@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Language of instruction	English
2.2. Prerequisites*	The preliminary biology and chemistry program in the field of high school matura exam at advanced level

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes		**Lectures (L): 80 h, Practical classes (PC): 120 h**
3.2. Place of classes		Courses in the teaching rooms of JKU
3.3. Form of assessment		Exam: lecture: MCQ in the 2nd semester Credit with grade: practical classes: credit with grade in the 2nd semester Credit: practical classes: credit without grade in the 1st semester
3.4. Teaching methods		Lecture: informative lecture with oral transmission of knowledge and the use of visual means Practical classes: analysis of anatomical models, specimens and imaging together with dissecting of selected specimens
3.5. Bibliography	**Required reading**	1. Moore KL, Agur AMR, Daley AF. Clinically Oriented Anatomy, the latest edition + ebook, Wolters Kluwer, Lippincott Wiliams & Wilkins. 2. Frank H. Netter. Atlas of Human Anatomy, the latest edition, Elsevier. 3. Szpinda M et al. Mianownictwo anatomiczne. Edra Urban & Partner, Wrocław, 2025.
	Further reading	1. Drake RL, Vogl AW, Mitchell AWM. Gray's Anatomy for Students. The anatomical basis of clinical practice. The latest edition, Elsevier. 2. Goulden DJ. Neuroanatomy BRS. Edra Urban & Partner.

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

4.1. Course objectives *(including form of classes)*

C1-W – provide students with knowledge in the scope of anatomy of the skeletal, muscular, nervous, circulatory, respiratory, digestive, genital, urinary, endocrine, sensory organs and integumentary system
C2-W – familiarize the student with the knowledge and understanding of the topography in human anatomy
C3-U – prepare the student to make a proper assessment of individual functional systems in various clinical situations as well as suggesting the way of further management
C4-U – prepare to use the knowledge of topographic anatomy in both diagnostic and therapeutic medical procedures
C4-K – awareness of the possibility of acquiring knowledge from different sources and seeking the help of other people
C5-K – creation of appropriate ethical attitude towards the body of the living and the dead man
C5-K – creation of appropriate ethical attitude towards the body of the living and the dead man
Lectures: C1-W, C2-W, C4-U, C4-K
Practical classes: C1-W, C2-W, C3-U, C4-U, C4-K

4.2. Detailed syllabus *(including form of classes)*

Lectures

The history and basic concepts of anatomy.
The topography of the human body, directions, location, axes, planes, and body parts.
The integumentary system.

Topographic and functional anatomy of the locomotor system, including the innervation and vasculature.
Topographic and functional anatomy of central and peripheral nervous system and sensory organs.
Topographic and functional anatomy of all organs of the head and neck.
Topographic and functional anatomy of all organs in the thorax.
Topographic and functional anatomy of all organs in the abdomen and pelvis.
Selected aspects of the anatomy in different imaging modalities.

Practical Classes
The division of the program into particular classes is at the discretion of the teachers. A detailed description, the classes and tests schedule will be published by the Department of Anatomy.
1st semester
I. General anatomy and topographic, functional and radiologic anatomy of upper extremity
II. Topographic, functional and radiologic anatomy of lower extremity
III. Topographic, functional and radiologic anatomy of all organs and structures of the thorax and back
2nd semester
IV. Topographic, functional and radiologic anatomy of all organs and structures in the abdomen and pelvis
V. Topographic, functional and radiologic anatomy of all organs and structures of head and neck
VI. Topographic, functional and radiologic anatomy all organs and structures of the central nervous system

4.3 Intended learning outcomes

Code	A student who has completed the course	Relation to learning outcomes
within the scope of **KNOWLEDGE**		
W01	knows and understands the human anatomy topographically and functionally, including topographical relations between individual structures along with anatomical, histological and embryological terminology	A.W1
within the scope of **ABILITIES**		
U01	knows how to explain the anatomical basis for clinical examination	A.U3
U02	is able to recognize relationships between anatomical structures on the basis of intravital diagnostic tests, in particular in the field of imaging (plain and contrast X-ray images, computed tomography, and magnetic resonance imaging)	A.U4
U03	is fluent in the anatomical, histological, and embryological terminology	
within the scope of **SOCIAL COMPETENCE**		
K01	recognizes their own limitations and self-evaluate educational deficiencies and needs	K.S5
K02	uses reliable information sources	K.S7
K03	concludes on the basis of own surveys and observations	K.S8
K04	introduces rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment	K.S9
K05	gives opinions concerning various aspects of professional activity	K.S10
K06	takes responsibility for own decisions made during professional activities including own safety and safety of other people.	K.S11

4.4. Methods of assessment of the intended learning outcomes

Teaching outcomes *(code)*	Method of assessment																							
	Written and practical exam			Written and practical test						Effort in class			Self-study*			Group work*			Observation				
	Form of classes			*Form of classes*			*Form of classes*			*Form of classes*			*Form of classes*			*Form of classes*			*Form of classes*				
	L	*PC*		*L*	*PC*		*L*	*PC*		*L*	*PC*		*L*	*PC*		*L*	*PC*		*L*	*PC*			
W01	+	+		+	+					+	+			+			+			+			
U01	+	+		+	+					+	+			+			+			+			
U02	+	+		+	+					+	+			+			+			+			
U03	+	+		+	+					+	+			+			+			+			
K01-K06											+						+		+	+			

4.5. Criteria of assessment of the intended learning outcomes		
Form of classes	**Grade**	**Criterion of assessment**
lecture (L)	**3**	Student mastered knowledge and skills specified in 4.3 sufficiently – obtained 60-68% of possible points
	3.5	Student mastered knowledge and skills specified in 4.3 fairly good – obtained 69-76% of possible points
	4	Student mastered knowledge and skills specified in 4.3 good – obtained 77-84% of possible points
	4.5	Student mastered knowledge and skills specified in 4.3 more than good – obtained 85-92% of possible points
	5	Student mastered knowledge and skills specified in 4.3 very good – obtained 93-100% of possible points
Practical classes (PC)	**3**	Student mastered knowledge and skills specified in 4.3 sufficiently – obtained 60-68% of possible points
	3.5	Student mastered knowledge and skills specified in 4.3 fairly good – obtained 69-76% of possible points
	4	Student mastered knowledge and skills specified in 4.3 good – obtained 77-84% of possible points
	4.5	Student mastered knowledge and skills specified in 4.3 more than good – obtained 85-92% of possible points
	5	Student mastered knowledge and skills specified in 4.3 very good – obtained 93-100% of possible points

The final exam includes the written and practical parts. At least 60% in each part is required to pass.
Rules and regulations are published in separate documents available at the notice board and on the website.

5. BALANCE OF ECTS CREDITS – STUDENT'S WORK INPUT

Category	**Student's workload**
	Full-time studies
DIRECT PARTICIPATION (CONTACT HOURS)	**200**
Participation in lectures	80
Participation in classes, seminars, laboratories	120
INDEPENDENT WORK (NON-CONTACT HOURS)	**150**
Preparation for the lecture	40
Preparation for the classes, seminars, laboratories	60
Preparation for the exam/test	50
TOTAL NUMBER OF HOURS	**350**
ECTS credits for the course of study	**14**

Accepted for execution *(date and legible signatures of the teachers running the course in the given academic year)*

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