

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912.4.LEK.B.An	
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 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 basic 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: MCQ and practical exam in the 2 nd semester Credit without grade in the 1 st semester, credit with grade in the 2 nd 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	<ol style="list-style-type: none"> 1. Moore KL, Agur AMR, Daley AF. Clinically Oriented Anatomy, 8th ed. or next + ebook, Wolters Kluwer, Lippincott Williams & Wilkins. 2. Frank H. Netter. Atlas of Human Anatomy., 7th ed. or next, Saunders. 3. Spodnik JH. Mianownictwo anatomiczne. Wyd. 2. Edra Urban & Partner, Wrocław.
	Further reading	<ol style="list-style-type: none"> 1. Drake RL, Vogl AW i Mitchell AWM. Gray's Anatomy for Students. The anatomical basis of clinical practice. 4th ed. or next, Elsevier Digital Press. 2. Goulden DJ. Neuroanatomy BRS. Edra Urban & Partner.

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

4.1. Course objectives

Lectures

- 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 human anatomy in topographic term
- 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 proceedings
- C4-U – prepare to use the knowledge of topographic anatomy of human 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

Practical 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 human anatomy in topographic term
- 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 proceedings
- C4-U – prepare to use the knowledge of topographic anatomy of human 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

4.2. Detailed syllabus

Lectures

- The history and basic concepts of anatomy.
- The topography of human body, directions, location, axes, planes, parts.
- Integumentary system.
- Topographic and functional anatomy of the locomotor system.
- Topographic and functional anatomy of central and peripheral nervous system and sense 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. Detailed description 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 of the thorax and back

2nd semester

- IV. Topographic, functional and radiologic anatomy of all organs in the abdomen and pelvis
- V. Topographic, functional and radiologic anatomy of all organs of head and neck
- VI. Topographic, functional and radiologic anatomy all organs of the central nervous system

4.3. Education outcomes in the discipline

Code	A student, who passed the course	Relation to teaching outcomes
within the scope of KNOWLEDGE , the graduate knows and understands:		
W01	Human anatomy topographically and functionally, including topographical relations between individual organs along with anatomical, histological and embryological terminology in English	A.W1.
within the scope of ABILITIES , the graduate knows how to:		
U01	Explain the anatomical basis for clinical examination;	A.U3.

U02	Make conclusions as to the relationship between anatomical structures on the basis of intravital diagnostic tests, in particular in the field of radiology (plain images, tests using contrast agents, CT scans and magnetic resonance imaging);										A.U4.		
within the scope of SOCIAL COMPETENCE , the graduate is able to:													
K01	recognize their own limitations and self-evaluate educational deficiencies and needs										K.S5		
K02	use reliable information sources										K.S7		
K03	conclude on the basis of own surveys and observations										K.S8		
K04	introduce rules of social conduct and teamwork to the group of specialists, including specialists of other medical professions also in the multicultural and multinational environment										K.S9		
K05	give opinions concerning various aspects of professional activity										K.S10		
K06	take 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 teaching outcomes													
Teaching outcomes (code)	Method of assessment (+/-)												
	Exam (written and practical)		Tests		Project*		Effort in class*		Self-study*		Group work*	Others* Observation	
	Form of classes		Form of classes		Form of classes		Form of classes		Form of classes		Form of classes	Form of classes	
	L	P C	L	PC	L	PC	L	PC	L	PC	PC	L	PC
W01	+	+	+	+			+	+	+	+	+		
U01	+	+	+	+			+	+	+	+	+		
U02	+	+	+	+			+	+	+	+	+		
K.S5, K.S7- K.S11												+	+

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes		
Form of classes	Grade	Criterion of assessment
Lecture (W)	3	Knowledge and skills as specified in 4.3 mastered sufficiently – 60-68% of possible points
	3,5	Knowledge and skills as specified in 4.3 mastered fairly good – 69-76% of possible points
	4	Knowledge and skills as specified in 4.3 mastered good – 77-84% of possible points
	4,5	Knowledge and skills as specified in 4.3 mastered more than good – 85-92% of points
	5	Knowledge and skills as specified in 4.3 mastered very good – 93-100% of possible points
Practical classes (CP)	3	Knowledge and skills as specified in 4.3 mastered sufficiently – 60-68% of possible points
	3,5	Knowledge and skills as specified in 4.3 mastered fairly good – 69-76% of possible points
	4	Knowledge and skills as specified in 4.3 mastered good – 77-84% of possible points
	4,5	Knowledge and skills as specified in 4.3 mastered more than good – 85-92% of points
	5	Knowledge and skills as specified in 4.3 mastered very good – 93-100% of possible points

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

Category	Student's workload
	Full-time studies
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/	200
<i>Participation in lectures*</i>	80
<i>Participation in classes, seminars, laboratories*</i>	120
<i>Preparation in the exam/ final test*</i>	
<i>Others*</i>	
INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/	150
<i>Preparation for the lecture*</i>	60
<i>Preparation for the classes, seminars, laboratories*</i>	90
<i>Preparation for the exam/test*</i>	
<i>Gathering materials for the project/Internet query*</i>	
<i>Preparation of multimedia presentation</i>	
<i>Others*</i>	
TOTAL NUMBER OF HOURS	350
ECTS credits for the course of study	14

**delete as appropriate*

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

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