

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912-7LEK-B1.1-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	dr hab. n. med. 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 75 h (40+35) including 4 hours of e-learning, classes 60 h (30+30) including 26 hours of e-learning, practical classes 90 h (45+45)	
3.2. Place of classes	Courses in the teaching rooms of JKU	
3.3. Form of assessment	lecture – credit for each semester, exam (2 nd semester), classes – credit with grade of each semester, practical classes – credit with grade of each semester	
3.4. Teaching methods	Lecture – informative lecture with oral transmission of knowledge and the use of visual means Classes – conversational lecture, discussion connected with the lecture, demonstration with description, practical classes	
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, 2018. 2. Frank H. Netter. Atlas of Human Anatomy: Including Student Consult Interactive Ancillaries and Guides, 7th ed. or next, Saunders, 2019. 3. Waschke J, Paulsen F. Sobotta Atlas of Human Anatomy Package. 15th ed. or next. Elsevier Ltd. Oxford, 2018. 4. Spodnik JH. Mianownictwo anatomiczne. Edra Urban & Partner, Wrocław, 2017
	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, 2019. 2. Kudak R, Kachlik D, Volny O. Memorix Anatomy, Edra Ed., 2016.

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

4.1. Course objectives (including form of classes)

Lectures, Classes, Practical Classes

Aims

- 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 (including form of classes)

Program of 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.

e-learning:

- A review of a scientific article and preparing the on-line presentation with multiple choice questions for the whole group.
- An on-line access to the 3D anatomy application by Elsevier.

Program of 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 Osteology
- II. Neuroanatomy
- III. Topographic, functional and radiologic anatomy of all organs of the head and neck.

2nd semester

- IV. Topographic, functional and radiologic anatomy of all organs in the thorax.
- V. Topographic, functional and radiologic anatomy of all organs of abdomen and pelvis.
- VI. Topographic, functional and radiologic anatomy all organs of the back, and upper and lower limbs.

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	anatomical, histological and embryological terminology	A.W1.
W02	human anatomy topographically (upper and lower limb, chest, abdomen, pelvis, back, neck and head) and functionally (respiratory system, digestive system, urogenital system, nervous system and sense organs, integumentary system)	A.W2.
W03	topographical relations between individual organs	A.W3.
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 <i>in vivo</i> diagnostic tests, in particular in the field of radiology (plain images, tests using contrast agents, CT scans and magnetic resonance imaging)	A.U4.
U03	Use anatomical, histological and embryological terminology both in written and oral communication	A.U5.
within the scope of SOCIAL COMPETENCE , the graduate is able to:		
K01	recognize his/her own limitations and self-evaluate educational deficiencies and needs;	H.S5
K02	use reliable information sources;	H.S7
K03	conclude on the basis of own surveys and observations;	H.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;	H.S9
K05	give opinions concerning various aspects of professional activity;	H.S10
K06	take responsibility for own decisions made during professional activities including own safety and safety of other people;	H.S11

4.4. Methods of assessment of the intended teaching outcomes

Teaching outcomes (code)	Method of assessment (+/-)																				
	Exam (three parts: written, practical and oral)			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	C	P	L	C	PC	L	C	...	L	C	P	L	C	..	L	C	P	L	C	..
W01	+	+	+	+	+	+				+	+	+					+	+			
W02	+	+	+	+	+	+				+	+	+					+	+			
W03	+	+	+	+	+	+				+	+	+					+	+			
U01	+	+	+	+	+	+				+	+	+					+	+			
U02	+	+	+	+	+	+				+	+	+					+	+			
U03	+	+	+	+	+	+				+	+	+					+	+			
K01-K06																			+	+	+

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes		
Form of classes	Grade	Criterion of assessment
Lecture (L)	3	Student mastered knowledge and skills specified in 4.3 sufficiently – obtained 61-68% 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
Classes (C)	3	Student mastered knowledge and skills specified in 4.3 sufficiently – obtained 61-68% 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	3	Student mastered knowledge and skills specified in 4.3 sufficiently – obtained 61-68% 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

Thresholds are valid from 2018/ 2019 academic year

The final exam consists of three parts: practical, test, and oral.

There are full particulars related to the rules and procedures of the exam and credits in the Internal Regulation of the Anatomy Department.

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/	225
<i>Participation in lectures</i>	71
<i>Participation in classes, seminars, laboratories</i>	124
<i>Preparation in the exam/ final test</i>	
Others	30 (e-learning)
INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/	200
<i>Preparation for the lecture</i>	75
<i>Preparation for the classes, seminars, laboratories</i>	125
<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	425
ECTS credits for the course of study	17

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

.....