

TOTAL per year: 20

Division of Anatomy, Department of Human Morphology and Embryology																				

Educational objectives (max. 6 items)

C1. Students will be able to recognize the anatomical structures within the head, neck, trunk and limbs by giving official anatomical names (Terminologia Anatomica, FIPAT).

C2. Students are able to describe the location and relations of anatomical structures in the human body and are able to recognize organs and anatomical structures in frontal, horizontal and sagittal sections.

C3. Students are able to describe the structure and functions of organs and know selected aspects of the sectional anatomy and the modern imaging methods in anatomy and medicine.

Education result matrix for module/course in relation to verification methods of the intended education result and the type of class

Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>
W1	A.W1	recognizes anatomical structures within the head, neck, trunk and limbs by giving official anatomical names (according to the New Terminologia Anatomica, FIPAT)	Test	SE
W2	A.W2	knows the structure of the human body and is able to recognize anatomical structures on images, corpses and on a living individual	Test	SE
W3	A.W3	knows and describes the topographic relations between individual organs in corpses and living individuals	Test	SE
U1	A.U1	is able to locate and describe the anatomical structures in corpses and living individuals	Test	SE
U2	A.U2	is able to characterize the structure, topographic relations	Test	SE

		and draw conclusions about the topographic relations between anatomical structures based on different imaging methods, i.e. X-ray, ultrasound, CT, MRI and fMRI		
U3	A.U3	understands and is able to correctly use the international anatomical terminology when recognizing and describing anatomical structures in corpses and living individuals	Test	SE

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:
communication of knowledge, skills or forming attitudes:

Knowledge: 5

Skills: 3

Student's amount of work (balance of ECTS points)

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
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1. Contact hours:	20
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2. Student's own work (self-study):	6
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Total student's workload	26
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ECTS points for module/course	1
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Comments	
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Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

Seminars

1. An introduction to the regional and sectional anatomy. Imaging methods.
2. The regional anatomy of the head. The oral cavity. The nasal cavity and paranasal sinuses. The throat and its connections. Frontal, horizontal and sagittal sections of the head.
3. The regional anatomy of the neck. Frontal, horizontal and sagittal sections of the neck. Part 1.
4. The larynx, thyroid and parathyroid glands. The vessels and nerves of the neck. Frontal, horizontal and sagittal sections of the neck. Part 2.
5. The anatomy of the chest: walls and organs (chest viscera). Frontal, horizontal and sagittal sections of the trunk. Part 1.
6. The abdominal cavity: walls, regions and viscera. The stomach, duodenum, pancreas, spleen, liver, gallbladder and the bile ducts. Frontal, horizontal and sagittal sections of the abdomen. Part 1.
7. The abdominal cavity. The retroperitoneal space: the kidney, suprarenal glands, urether and abdominal aorta. Frontal, horizontal and sagittal sections of the abdomen. Part 2.
8. The male pelvis: topography, pelvic floor and perineum. Bladder. Prostate gland. Genitals. Seminal

- vesicles. Rectum. Frontal, horizontal and sagittal sections of the pelvis. Part 1.
9. The female pelvis: topography, pelvic floor and perineum. Bladder. Genitals. Uterus. Vagina. Rectum. Frontal, horizontal and sagittal sections of the pelvis. Part 2.
10. Practical test.

Basic literature

1. Snell, R.S. 2018. Clinical anatomy by regions. 10th ed. Wolters Kluwer. Lippincott Williams & Wilkins.
2. Koritke, J.G., Sick, H. 1983. Atlas of sectional human anatomy. Baltimore/Munich, Urban & Schwarzenberg. Volumes I and II.
3. Chmielewski, P.P. 2020. New Terminologia Anatomica highlights the importance of clinical anatomy. Folia Morphologica, 79(1), 15-20.

Additional literature

1. Chmielewski, P.P. & Strzelec, B. 2020. Should Terminologia Anatomica be revised and extended? A critical literature review. Folia Morphologica, 79(1), 1-14.
2. Chmielewski, PP. & Domagala, Z.A. 2020. Terminologia Anatomica and its practical usage: pitfalls and how to avoid them. Folia Morphologica, 79(2),198-204.
3. Moore, K.L. 2014. Clinically oriented anatomy. 7th ed. Wolters Kluwer. Lippincott Williams & Wilkins.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

Conditions to receive credit for the course

Course attendance is mandatory and strictly enforced. A student who misses any meeting or who arrives late or leaves early will not be eligible to take the final test and will not pass the course. In regard to dean's hours, rector's days and excused absences, i.e. when on sick leave but a sick note must be provided to cover the absence period and this can happen only once during the course, students have to make up for each absence. Students are expected to be professional, responsible and polite. Based on the attendance rate, students will be eligible to take the final test. To pass the test students have to score at least 60%. Verification of course's objectives: the practical test involving the recognition of anatomical structures shown on images and illustrations, photographs and dissections. At a specified and measured time (30 seconds per each structure), students will have to recognize a given structure and write down its official name. Students will be eligible to take the practical test if their attendance rate is 100%. Each absence must be made up, including rector's days or dean's hours. The result of the course depends upon the test result.

Grade:	Criteria for course
Very Good (5.0)	96-100%
Good Plus (4.5)	90-95%
Good (4.0)	80-89%
Satisfactory Plus (3.5)	70-79%
Satisfactory (3.0)	60-69%

2.0 when the test results are < 60%

Grade:	Criteria for exam (if applicable)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Name of unit teaching course:	Division of Anatomy, Department of Human Morphology and Embryology, Faculty of Medicine, Wrocław Medical University
Address	6a Chalubinskiego Street 50-368 Wrocław, Poland
Phone	71 784 13 30
E-mail	agnieszka.perlicka-lukaszun@umed.wroc.pl

Person responsible for course:	Dr. Piotr Paweł Chmielewski, PhD in Human Biology
Phone	71 784 13 45
E-mail	piotr.chmielewski@umed.wroc.pl

<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Form of classes</i>
Piotr Paweł Chmielewski, BSc, MSc, PhD	BSc, MSc, PhS in Human Biology and Anatomy	Human Biology, Anatomy	Anatomist, Academic teacher	SE

Date of Syllabus development

Syllabus developed by

05.06.2020

Dr Piotr Paweł Chmielewski, PhD

Signature of Faculty Dean

Wrocław Medical University
Faculty of Medicine
Vice-Dean for Educational Affairs
.....
prof. Beata Sobieszkańska, PhD

University of Wrocław
Signature of Head of teaching unit
Katedra Morfologii i Embriologii Człowieka
ZAKŁAD ANATOMII PRAYDOLYWEJ
p.o. kierownik
.....
dr Zygmunt Domagała

