

**STANDARD COURSE SYLLABUS**  
for academic year 2017/2018

<b>Description of subject matter – Instructional program</b>								
Name of subject: <b>ANATOMY</b>			Module code according to standards from A to G <b>A.</b>					
Director of unit conduction the course: <b>Dr Marek Syrycki</b>								
Faculty: Dentistry								
Course of study: medical								
Level of studies Unitary MMed								
Form of studies full-time X								
Year: I			Semester: I and II					
Type of subject obligatory X								
Language of instruction: english								
<b>Name of unit conducting course</b>			Winter semester (hrs.)			Summer semester (hrs.)		
			L	C	S	L	C	S
Department of Normal Anatomy			10	60	5	10	45	5
Total:			10	60	5	10	45	5
<b>Educational goals</b> ( <i>goals for lessons set by instructor, related to the results of education, max. 6 items</i> )								
C1. Teaching students the normal structure of the human body with its functional aspects.								
C2. Teaching students the regional anatomy of all parts of the human body.								
C3. Teaching students the anatomical and basis of medical terminology.								
<b>Matrix of educational results for subjects in reference to methods for verifying intended educational results and manner of conducting lessons.</b>								
Number of educational result	Description of educational result ( <i>in conformance with detailed educational results defined in standards</i> )	Methods for verifying achievement of intended educational results *	Manner of lessons: ** provide symbol					
A.W1	The student knows the english anatomical terminology.	Test, oral response	L, C					
A.W2	The student knows the human body structure in descriptive and regional approaches	Test, oral response	L, C, S					
A.W3	The student knows and describes the regional relationships of the organs and systems in a cadaver as well as in a living individual	Test, oral response	L, C, S					

<b>A.U3</b>	The students can localize and identify the normal anatomical structures.	Oral response	L, C, S
<b>A.U4</b>	The student is able to identify the normal anatomical structures on the intravital images (USG, CT, MRI) in the basal degree	Oral response	L, C
<b>A.U5</b>	The student uses in written and spoken form the anatomical terminology.	Test, oral response	L, C

\*e.g.. test, presentation, oral response, essay, report, colloquium, oral examination, written examination;  
 \*\* L- lecture; S- seminar; C- class; EL- e-learning;

**Student work input (balance of ECTS points)**

Lessons on-site (hrs.)	75+60 = <b>135</b>
Own work (hrs.)	37,5+100,5 = <b>138</b>
Summary of student workload	122,5+230,5 = <b>273</b>
<b>ECTS points for subject</b>	5 +6 = <b>11</b>
Remarks	

**Content of lessons:** (please provide the subject of individual lessons, keeping in mind the need to contribute to the intended educational results)

**1. Lectures:**

The lectures are correlated with practical classes and apart from the information about the body structure provide the basic functional and clinical aspect of teaching deals.

- The first semester: The introduction to the anatomical terminology. The structure of the bones and their joints. The axial skeleton – the structure, joints and mechanics. The skeleton of the upper limb – the structure, joints and mechanics. The pelvis as a delivery canal. The bones of the neurocranium and the facial skeleton. The joints of the skull and their changeability with the age. The division of the body on regions. The muscles, vessels and nerves of the head. The viscerocranium. The muscles, vessels, nerves and viscera of the neck. The structure of the axilla. The structure of the thoracic wall. The muscles, vessels and nerves of the upper limb. The muscles, vessels and nerves of the back. The muscles, vessels and nerves of the lower limb.

The second semester : The thoracic cavity – division, location and structure of the viscera. The nerves and vessels of the thoracic wall. The diaphragm. The structure of the abdominal wall. The inguinal canal. The abdominal cavity – location of the viscera; the peritoneum. The structure of the abdominal viscera. The nerves and vessels of the abdominal cavity. The retroperitoneal space. The structure of the genito-urinary system. The structure of the pelvis wall. The nerves and vessels of the pelvis. The viscera of the true pelvis.

The neuroanatomy:

The development of the nervous system. The meninges, meningeal spaces and subarachnoid cisterns. The circulation of the cerebrospinal fluid. The cranial nerves. The blood supply of the central nervous system. The external structure of the brain. The olfactory system. The limbic system. The internal structure of the brain. The spinal cord – external and internal structure. The tracts of the central nervous system. The pyramidal and the extrapyramidal motor system. The reticular formation. The eye and related structures. The auditory and vestibular apparatus. The autonomic nervous system.

**Practical classes:**

Are performed in dissecting room with using the following methods: presenting of previously dissected material, dissection if possible, plastic models and computer teaching.

Subjects of practical classes are the following:

- In the first semester: osteology, arthrology and the regional anatomy of the head, neck, back, upper and lower limbs.

In the second semester: neuroanatomy and regional anatomy of the thorax, abdomen and pelvis.

**Primary and secondary literature**

Obligatory:

Richard Drake; Gray's Anatomy for Students; 2005 Churchill Livingstone; ISBN 0443066124  
Young, Paul A; Young Paul H; Basic clinical neuroanatomy; Lippincot Williams and Wilkins; latest edition; ISBN 0-683-09351-7  
Agur, Anne M.R.; Lee, Ming J.; Grant's atlas of anatomy; Williams and Wilkins, latest edition ISBN: 0-683-03701-3

Additional:

Moore K. L., Dalley A.F.; Clinically Oriented Anatomy; Lippincot Williams and Wilkins; fifth edition or newest; ISBN: 0-7817-3639-0  
James D. Fix; Neuroanatomy; Williams and Wilkins, latest edition, ISBN 0-683-03249-6  
Any atlas of anatomy.

**Requirements concerning instructional aids** (e.g. laboratory, multimedia projector, other ...)

1. Human corpses and natural anatomical specimens
2. Artificial anatomical specimens
3. Multimedial anatomical presentations
4. Intravital diagnostic images of human body.

**Conditions for successful completion of course:**

Passing 4 periodical tests on the level at least 66% possible points  
Passing the practical exam on the level at least 66% possible points.  
Passing the theoretical exam (test 66% / optionally oral)

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**Name and address of unit conducting course, contact information (tel./email):**

Medical University of Wroclaw,  
Department of Normal Anatomy 50-368 Wroclaw,  
Chalubinskiego Str. 6a phone 71/784-13-31, 784-00-79, 784-13-41,  
maria.balcewicz-kostek@am.wroc.pl  
marek.syrycki@am.wroc.pl.....  
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**Person responsible for the course for a given year ...**

Marek Syrycki MD PhD phone 71/784-1341

**Signature of head of unit conducting the course**

**Signature of dean**

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**Date of syllabus drafting:** .....