**SYLLABUS**

Academic year 2017/2018

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| **Name of a course / module** | **Anatomy** |
| **Name of a department where course is held** | **Human Anatomy Department** |
| **E-mail of department** | **anatomia@umb.edu.pl** |
| **Faculty of** | Medicine with Division of Dentistry and Division of Medical Education in English |
| **Name** **of a field of study** | Medicine |
| **Level of education** | *Uniform master’s degree studies* |
| **Form of study** | full time x part time □ |
| **Language of instruction** | Polish □ English x |
| **Type of course** | obligatory x facultative □ |
| **Year of study / Semester** | I x II □ III □ IV □ V □ VI □ | 1 x 2 x 3 □ 4 □ 5 □ 6 □ 7 □ 8 □ 10 □11 □ 12 □ |
| **Introductory courses with preliminary requirements** | *getting credit according to recruitment procedure* |
| **Number of didactic hours with specification of forms of conducting classes** | Lectures-55, Classes-160 |
| **Assumptions and aims** **of the course** | Acquainting students with anatomy of human body, topographical relationships and function of particular parts, organs, and systems. Usage of anatomical knowledge in the clinical medicine, diagnosis, and treatment of patients*.* |
| **Didactic methods** | *- providing knowledge in a form of a lecture**- consultation (both regular and organized in individual cases)**- discussion**- self study**- study of the literature**- practical classes, i.e. dissection* *- other methods/forms (e.g. e-learning basing on e-materials available on in the web sites of the recommended textbooks)* |
| **Full name of the person conducting the course** | *employed scientific and teaching staff* |
| **Full name of the person responsible for teaching** | *Magdalena Anna Szkudlarek, Janusz Bogdan Dzięcioł* |

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| **Symbol and number of learning outcomes according to the teaching standards and other learning outcomes** | **Description of directional learning outcomes** | **Form of classes** | **Verification methods for achieving intended learning outcomes**  |
| **Knowledge** |
| A.W1. | English terminology of anatomy, histology and embryology; |  | *Summarizing methods:**-- written exam (test – Multiple choice questions and one choice questions; descriptive examination – opened questions with short answers.)**Forming methods:**- observation of the student's work**- evaluation of the activity in the classroom**- completion of each activity**- assessment of preparation for classes**- discussion in class**- partial tests* |
| A.W2. | human topographic anatomy (upper and lower extremities, chest, abdomen, pelvis, back, neck, head) and human functional anatomy (osteoarticular  system, muscular system, cardiovascular system, respiratory system, digestive system, urinary system, sexual system, nervous system with sense organs and integumentum commune) |  |
| A.W3. | topographic relationship between particular organs, |  |
| **Skills** |
| A.U3. | explaining the anatomical basis of physical examination, |  | *Summarizing methods:**- practical examination* *(with usage of cadaver specimens and X-ray images)**Forming methods:**- observation of the student's work**- evaluation of the activity in the classroom**- completion of each activity**- assessment of preparation* *for classes**- discussion in class**- partial tests* |
| A.U4. | drawing conclusions concerning the relationship between anatomical structures based on intravital diagnostic examinations, especially in the field of radiology (plain films, contrast medium examinations, computed tomography, magnetic resonance imaging), |  |
| A.U5. | using the terminology of anatomy, histology and embryology in speech and writing. |  |
| **Social competence** |
|  | He /She recognizes his/her own diagnostic and therapeutic limitations, educational needs, planning of educational activity |  | *Summarizing methods:,**Continuous assessment by teachers (observation)**Forming methods:**- observation of the student's work**- discussion in class**- opinions of patients, colleagues* |
|  | He /She is able to work in a team of professionals, in a multicultural and multinational environment |  |
|  | He /She implements the principles of professional camaraderie and cooperation with representatives of other professionals in the range of health care |  |

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| **ECTS points** | *.* |
| **Student Workload** |
| **Form of activity** | **Number of hours to complete the activity** |
| **Classes that require the participation of a teacher** |
| 1. Realization of the course: lectures (according to the curriculum )
 | 55 |
| 1. Realization of the course: classes (according to the curriculum )
 | 160 |
| 1. Realization of the course: seminars; (according to the curriculum)
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| 1. Realization of the course: electives
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| 1. Participation in consultation
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|  | Total hours: 215 |
| **Student self-study** |
| 1. Preparation for the theoretical and practical classes
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| 1. Preparation for tests/credits
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| 1. Preparation for an exam/final test-credit
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|  | Total hours: |

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| **Course contents:** |
| **Learning outcomes** **(symbol and number)** | **Topics** |
| 1. A.W1. English terminology of anatomy, histology and embryology;2. A.W2. human topographic anatomy (upper and lower extremities, chest, abdomen, pelvis, back, neck, head) and human functional anatomy (osteoarticular  system, muscular system, cardiovascular system, respiratory system, digestive system, urinary system, sexual system, nervous system with sense organs and integumentum commune)3. A.W3. topographic relationship between particular organs,4. A.U3 explaining the anatomical basis of physical examination,5. A.U4 drawing conclusions concerning the relationship between anatomical structures based on intravital diagnostic examinations, especially in the field of radiology (plain films, contrast medium examinations, computed tomography, magnetic resonance imaging),6. A.U5 using the terminology of anatomy, histology and embryology in speech and writing | Each of the learning outcomes is realized during all following parts of the course:Anatomy of :bones and joints (9 classes), central nervous system (9 classes), head and neck (9 classes), thorax (6 classes), upper limb (5 classes), abdomen and pelvis (8 classes), lower limb (4 classes), organ of vision (1 classes), organ of hearing and equilibrium (1 classes) |

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| **Obligatory textbook:** |
| * Moore Keith L., Dalley Arthur F. - “Clinically oriented anatomy” , 5.ed. 2005 or later, 0781736390
* Netter Frank H. - “Atlas of Human Anatomy + CD”, 3.ed. 2003 or later, 1929007116
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| **Optional textbook:**  |
| * Weir Jamie, Abrahams Peter, Spratt Jonathan, Salkowski Lonie- Imaging Atlas of Human Anatomy, 4th ed. or later 2011,9780808923886
* Richard S. Snell - Clinical Neuroanatomy 6.ed. 2005 or later, 0781759939
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| **Criteria for assessing the achieved learning outcomes and the form and conditions for receiving credit:**  |
| * Student is obliged to participate in all classes and lectures. Absence should be justified immediately (not longer than 7 days) after disappearing of the absence reason. It is demanded in the case of health reasons a medical certificate of temporary disability and in other cases a certificate of proper authorities.
* Unexcused absence during the classes excludes receiving a completing of the credit.
* Student cannot complete the credit in a normal term in the case of justified absence during more than 50% of the classes.
* Only in the case of justified absence during the 50% or more classes or absence during the credit caused by health problems it is possible to complete the credit in the additional term. In winter semester the student has right to take 1 credit in the extra term (organized in the beginning the summer semester ). In summer semester the student has right to take 1 credit in the extra term (organized in May after finishing the whole Anatomy Course).
* Absence during the credit without the proper justification results in inability of taking the credit in the extra term.
* Each part of the course is summarized by the credit. Completing of the particular credit is divided into practical and theoretical (written) parts.
* The practical part of credit is based on recognition of 10 anatomical structures (pins). To the total credit classification the number of the gained points is divided into 2 (for example 9.0 points /2= 4.5 points to the total classification).
* The theoretical part of credit consists of set of various test questions. The maximum score of the theoretical part of credit is 14 points
* The maximum number of points from all credits = 143.
* Student who will receive 132 or more points has right to the early term (zero term) of the Final Exam.
* Gaining 40 to 131.9999 points gives opportunity to taking the Final Exam in the term appointed by the Dean.
* Gaining 39.9999 or less points makes impossible to take the Final Exam and complete the Anatomy Course.
* For students who cannot take the Final Exam because of the achieving 39.9999 or less points any additional credit (pre-exam test) is not organized
* The Final Exam consists of the practical and theoretical (written) parts.
* Passing the exam means a positive result of theoretical as well as practical part, independently
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20.09.2017 Magdalena Anna Szkudlarek

*(date and signature of the person preparing the syllabus)*

20.09.2017 Janusz Bogdan Dzięcioł Magdalena Anna Szkudlarek

 *(date and signature of the Head of the and (course coordinator)*

 *Department where the course is held)*