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| Module name | **Functional Human Anatomy** |
| Module code | B-B.001 |
| ISCED code | 0511: Biology |
| Study cycle | Year of study I (I°) |
| Semester | winter semester |
| Responsible for this module | Dobrowolski Piotr PhD piotr.dobrowolski@umcs.lublin.pl  Tel.: +48 507 132 520 |
| Language of instruction | English |
| Website | http://www.umcs.pl/en/list-of-courses,5022.htm |
| Prerequisites | basic knowledge of English |
| ECTS | 3.5 |
| ECTS points hour equivalents | Contact hours (work with an academic teacher)  Lecture - 30  Laboratory - 30  Total number of hours with an academic teacher  Lecture - 30  Laboratory - 30  Number of ECTS points with an academic teacher - 2  Non-contact hours (students' own work) - 45  Total number of non-contact hours - 45  Number of ECTS points for non-contact hours – 1.5  **Total number of ECTS points for the module - 3.5** |
| Educational outcomes verification methods | written exam |
| Description | The module covers the knowledge in the area of human anatomy in particular the functioning of anatomical organs and elucidate the relationship between the structure and function of organ systems as well as the fundamental knowledge of how to determine the root causes of disease and to recognize their symptoms. |
| Reading list | Drake, Vogl, Mitchell “Gray’s Anatomy for Students”  Abrahams, Boom, Spratt, Hutchings „Clinical Atlas of Human Anatomy”  Fenneis “Pocket Atlas of Human Anatomy”  Sobotta “Atlas of Human Anatomy”  Tortora, Nielsen “Principles of Human Anatomy”  McKinley, O’Loughlin “Human Anatomy” |
| Educational outcomes | **KNOWLEDGE**  The student can describe the human anatomy; gives and explains the functions of anatomical organs; is able to explain the relationship between structure and function of tissues, organs and anatomical systems, has knowledge of how to determine the root causes of disease and to recognize their symptoms.  **SKILLS**  The ability to lead microscopic observations and present the interpretation of images of histological sections; based on macro- and microscopic details recognizes the organs of the body. Can describe human body (parts of the body, axes, planes and metamerism of the body) and tissues. The ability to describe the topography, structure and function of organ systems: skeletal, muscular, digestive, respiratory, cardiovascular, urinary, reproductive, nervous, endocrine, the organs of the senses, integumentary system. Is able to perform basic anthropometric measurements.  **ATTITUDES**  Students are convinced of the validity of knowledge about the human body. Students appreciate the possibility of translating gathered knowledge of anatomy to use in everyday life. Students are aware of the need for proper description of disease symptoms and consequences of organ malfunction. |
| Practice | Macro- and microscopic observations of the structure of organs creating all the anatomical systems of human body. |

**Information about classes in the cycle**

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| Website |  |
| Educational outcomes verification methods | written tests and discussions |
| Comments | - |
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| A list of topics | 1. An introduction to the human body: the spatial orientation of the human body, bone morphology and architecture, axial skeleton part I 2. The axial skeleton part II 3. The appendicular skeleton and joints 4. The muscular system 5. The nervous system 6. The digestive system I 7. The digestive system II 8. The respiratory system 9. The cardiovascular system 10. The urinary system 11. The reproductive system 12. The endocrine system 13. The integumentary system 14. Special senses 15. Elements of anthropology |
| Teaching methods | Microscopic and macroscopic observations assisted by atlas of human anatomy and laboratory models. |
| Assessment methods | Continuous assessment in a form of written tests. |