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| 1. Course title: Anatomy I. | | | | | |
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| 2. Code: | | 3. Type (lecture, practice etc.): lecture | | | |
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| 4. Contact hours: 2 hoursper week | | 5. Number of credits (ECTS): 2 | | | |
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| 6. Preliminary conditions (max. 3): - | | | | | |
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| 7. Announced:fall semester, spring semester, both | | | | | |
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| 8. Limit for participants: | | | | | |
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| 10. Responsible teacher (faculty, institute and department):  Róbert Gábriel PhD (Faculty of Science, Institute of Biology, Department of Experimental Zoology and Neurobiology) | | | | | |
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| 11. Teacher(s) and percentage: | | Dr. Róbert GÁBRIEL | | 10 % | |
| Petra MAYER | | 90 % | |
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| 12. Language:English | | | | | |
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| 13. Course objectives and/or learning outcomes:  The aim of the course is to familiarize students with the structure and the build-up of the human body, the anatomy of the skeletal system and the muscular system, as well as the anatomical structure and main function of the circulatory system to acquire important relationships for further studies.  Understanding the anatomy of the motion systems is essential for the building of physiological and sport physiological knowledge. | | | | | |
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| 14. Course outline   1. Planes and terms used to describe positions and directions in the human body. Tissues of the skeletomuscular system. Types and general characteristics of bones. 2. Structure and movements of different types of joints. 3. Bones of the skull. 4. Structure of the spine. The build-up of the vertebrae and their joints. The physiological curvatures and movements of the spine. 5. The structure of the thorax. Breathing movements. 6. Bones and joints of the upper limb. 7. Bones and joints of the lower limb. Hip, knee and ankle joints. Bones and statics of the pelvic girdle. 8. Bones and joints of the foot. The structure and statics of the arch of the foot. 9. General characteristics of muscles. Muscle tissues, the unit and the grouping of the muscles. Agonists and antagonists. Muscles of the head and neck. 10. Muscles of the trunk. Muscles of the back. Muscles of the abdominal wall and hernias. 11. Muscles of the shoulder girdle and the upper limb. Their nerves and blood supply. 12. Muscles of the pelvic girdle and the lower limb. Their nerves and blood supply. The process of walking. 13. Circulatory system. The heart. The pulmonary and systemic circulation. The main parts of the arteries and veins. | | | | | |
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| 15. Mid-semester works  2 written tests during the semester (the satisfactory level is at least 50%). The written tests are based on the lectures and the recommended readings. | | | | | |
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| 16. Course requirements and grading  oral exam  Grades:  0–49% fail  50–64% acceptable  65–69% average  70–84% good  85–100% excellent | | | | | |
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| 17. List of readings   1. Sobotta Atlas of Human Anatomy (2-Volume Set) 2. Color Atlas of Human Anatomy, Thieme :Volume 1: Locomotor System | | | | | |
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| 18. Recommended texts, further readings   1. Netter, F. H. 1993. Atlas of Human Anatomy. CIBA Geigy. | | | | | |
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| **Date** | 11 May 2017 | **Prepared by** |  | | |
| Dr. Róbert GÁBRIEL  responsible teacher | | |
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| **Endorsed by** | | |  | | |
| Dr. Váczi Márk program supervisor | | |