**Incoming student mobility**

**UNIOS University Unit: Faculty of Dental Medicine and Health in Osijek**

**COURSES OFFERED IN FOREIGN LANGUAGE**

**FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS**

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| Department or Chair within the UNIOS Unit | Department of Anatomy, Histology, Embryology, Pathological Anatomy and Pathological Histology  Faculty of Dental Medicine and Health Osijek, Josip Juraj Strossmayer University of Osijek |

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| Study program | University Undergraduate Study in Physiotherapy |

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| Study level | 1st year |

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| Course title | Biomechanics |
| Course code (if any) |  |
| Language of instruction | English |
| Brief course description | Students will learn the fundamentals of biomechanics and laws of classical mechanics, anthropometry, biomechanical properties of the musculoskeletal system, determine the parameters of body segments, determine the center of gravity of the body. Evaluation of kinematic quantities of motion. Kinetic size and measurement: measurement of ground reaction force. Biomechanical diagnosis of movement. Body weight, the weight of body segments and the force of gravity, motion and motion analysis through the joints, the use of the base of support and the different basis for the analysis of changes in the body. Determination parameters of inertia, force measurement using the platform for measuring force components, gathering procedures EMG signal in kinesiology electromyography. |
| Form of teaching | 30 class hours of Lectures (1 group)  15 class hours of Practical Classes (2 groups) |
| Form of assessment | Written exam |
| Number of ECTS | 3 |
| Class hours per week | 23 |
| Minimum number of students | 30 |
| Period of realization | February |
| Lecturer | **Asst. Prof. Anđela Grgić, M.D., Ph.D.**  **Asst. Prof. Tihomil Žiger, M.D., Ph.D.**  **Nenad Čekić, M.D.** |