

Incoming student mobility

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

COURSES OFFERED IN FOREIGN LANGUAGE FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS

Study program	University Graduate Study in Physiotherapy
Study level	Graduate
Course title	BIOENERGETICS OF THE MOVEMENT AND ENVIRONMENTAL EFFECTS
Course code (if any)	PhyTh408
Language of instruction	English
Brief course description	<p>Energy systems in muscles and their interaction in different working conditions. Basal metabolism and bioenergetics.</p> <p>Processes in tissues during physical activity (anaerobic and aerobic glycolysis, oxidative energy system).</p> <p>Efficiency of muscle work and oxygen consumption.</p> <p>Environmental conditions that affect energy demand during operation (temperature, humidity, light, gravity, atmospheric pressure).</p> <p>Internal factors affecting work ability and evaluation methods (dehydration, hyperthermia, hypoglycemia, hypoxemia, etc.).</p> <p>The role of cardiovascular and respiratory systems in meeting the thermoregulatory and metabolic requirements of organs active during physical activity.</p> <p>Protective measures against health risk due to overload in demanding working conditions.</p> <p>Exercise and stress in certain high-risk populations (children, the elderly, pregnancy, cardiovascular patients, pulmonary patients, patients with diabetes, patients with metabolic disorders, etc.).</p>
Form of assessment	Written exam
Number of ECTS	5
Class hours per week	30
Minimum number of students	30
Period of realization	Winter

ERASMUS+

EU programme for education, training, youth and sport

Lecturer	Assistant Professor Anđela Grgić, MD Nikola Volarić, MD Assistant Professor Hrvoje Brkić, PhD in Physics
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