

Study programme: Undergraduate Academic Studies / Bachelor with Honours in Sport and Physical Education			
Subject name: BIOMECHANICS / OA20			
Teacher/Teachers: Borislav Obradović, PhD			
Subject status: Mandatory			
ECTS credits: 3			
Requirements: None			
Subject aim Studying biomechanics of human movements with the accent on teaching physical education, training, rehabilitation, injury prevention and improvement of movement			
Subject outcome Students will understand and master the principles of mechanics and their impact on the movement of humans; they will be able to analyse the relevant motor and movement structures very well; they will acquire the knowledge and ability to apply the course content both in teaching and training activities.			
Subject content <i>Theory</i> Kinematic terms for movement analysis, Kinematic terms for movement analysis, Liner kinematics of human movement, Liner kinematics of human movement, Liner kinematics of human movement, Angular kinematics of human movements, Angular kinematics of human movements, Liner kinematics of human movement, Liner kinematics of human movement, Angular kinematics of human movements, Angular kinematics of human movements, Angular kinematics of human movements, Balance and movement of man, Fluid movement of man, Fluid movement of man. <i>Practice</i> Statics, Linear kinematics, Linear kinetics, Angular kinetics, Fluid movement.			
Literature 1) Opavsku, P. (1976). Osnove biomehanike. Beograd: Naučna knjiga. 2) Hall, S.J. (2003). Basic biomechanics. New York: McGraw-Hill Higher Education 3) Whiting, W.C., Rugg, S. (2006). Dynatomy – Dynamic Human Anatomy. Champaign, IL: Human Kinetics 4) McGinnis, P.M. (2005). Biomechanics of Sport and Exercise - 2nd Edition. Champaign, IL: Human Kinetics			
Number of active teaching classes	Theory: 2		Practice: 1
Teaching methods Lectures, exercises, consultations, extracurricular activities			
Knowledge assessment (maximum number of points is 100)			
Pre-exam requirements	points	Final exam	points
engagement in class activities		written exam	55
practice	30	oral exam	
term test(s)	15	field work	