NAME OF THE COU	JRSE	SE Physics in sports										
Code			Year of study	1 st graduate								
Course teacher	Assistar Spasić,	nt professor, Miodrag PhD	Credits (ECTS)	3								
Associate teachers			Type of instruction	L	S	Е	F					
			(number of hours)	45								
Status of the course	Elective	2	Percentage of application of e-learning									
COURSE DESCRIPTION												
Course objectives	Students will acquire the necessary knowledge of the application of physical laws in sport.											
Course enrolment requirements and entry competences required for the course	Basic knowledge of English language.											
	At the completion of this course, students will be able to do the following:											
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	 to identify that the problem is of physical nature to learn to choose the right method and model that would be best suited to solve that problem to learn what technical solutions exist today to solve the underlying problem(s) to analyze data obtained by measurements 											
Course content broken down in detail by weekly class schedule (syllabus)	Lectures			Teacher								
	Basics of kinematics (3 hours)			Assis	Assistant professor, Miodrag Spasić, PhD							
	Kinematic measurements (3 hours)			Assis	Assistant professor, Miodrag Spasić, PhD							
	Basics of kinetics (3 hours)				Assistant professor, Miodrag Spasić, PhD							
	Kinetic measurements (3 hours)				Assistant professor, Miodrag Spasić, PhD							
	Newton's laws of motion (3 hours)				Assistant professor, Miodrag Spasić, PhD							
	Basics of physical modeling (3 hours)				Assistant professor, Miodrag Spasić, PhD							
	Basics of simulations (3 hours)			Assistant professor, Miodrag Spasić, PhD								
	Biomechanical measurements (3 hours)			Assistant professor, Miodrag Spasić, PhD								
	Biomechanical measurements (3 hours)			Assistant professor, Miodrag Spasić, PhD								
	State of the art in the field of measurement technology (3 hours)			Assistant professor, Miodrag Spasić, PhD								
	Practical measurements (3 hours)				Assistant professor, Miodrag Spasić, PhD							
	Data collection and expected errors (3 hours)				Assistant professor, Miodrag Spasić, PhD							
	Personal computer as valuable tool (3 hours)				Assistant professor, Miodrag Spasić, PhD							
	Practical modeling (3 hours)				Assistant professor, Miodrag Spasić, PhD							

Format of instruction	X lectures seminars and exercises <i>on line</i> in enti partial e-learn field work	workshop: rety iing	s	X independent assignments X multimedia X laboratory work with mentor (other)						
Student responsibilities	Attend classes regularly and actively participate in teaching assignments.									
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class attendance	1	Research		Practical trainin	g				
	Experimental work	Experimental 1 Report work			(Other)					
	Essay	y Seminar essay		у	(Other)					
	Tests	1 Oral exam			(Other)					
	Written exam		Project							
Grading and evaluating student work in class and at the final exam	Grades from 1 to 1 (below 62%); 2 (63% -74%); 3 (75% - 84%); 4 (85% - 93%); 5 (94% - 100%) Class attendance Experimental wo Written exam 50 Total 100%	5: 25% ork 25% %								
Required literature (available in the library and via other media)		,	Number of copies in the library	Availability via other media						
	McGinnis, P. M. (2000). Biomechanics of Sport and 1 Exercises. (Fifth Edition). USA: Human Kinetics. 1									
Optional literature (at the time of submission of study programme proposal)	Ackland, T.; Elliott, B. & Bloomfield, J. (2009). Applied Anatomy and Biomechanics in Sport. (Second edition). USA: Human kinetics.									
Quality assurance methods that ensure the acquisition of exit competences	Cooworking with other students, individual work with professor. External evaluation of teaching quality through 'Questionnaire for student's evaluation of teaching'.									
Other (as the proposer wishes to add)	http://moodle.kif	st.hr/cours	se/view.php?id	=496						