

Faculty for Sport and Physical Education / Physical education / Measurement Theory in Kinesiology

<b>Course:</b>	Measurement Theory in Kinesiology			
<b>Course ID</b>	<b>Course status</b>	<b>Semester</b>	<b>ECTS credits</b>	<b>Lessons</b> (Lessons+Exercises+Laboratory)
8223	Mandatory	1	7	5+0+0
<b>Programs</b>	Physical education			
<b>Prerequisites</b>	No prerequisites for other subjects			
<b>Aims</b>	Acquiring knowledge on structuring and implementation of measuring instruments in the scope of kinesiological researches.			
<b>Learning outcomes</b>	After passing this exam, the student will be able to: understand basics of kinesiometrics; realise objective measurements with different types of measuring instruments; determine the zone of reliability and estimate error of measuring; estimate factor variability, predictive variability, determine variability under regressive, canonical and discriminative model.			
<b>Lecturer / Teaching assistant</b>				
<b>Methodology</b>	Lectures, seminars consultations, tests.			
<b>Plan and program of work</b>				
Preparing week	Preparation and registration of the semester			
I week lectures	Introductory lecture			
I week exercises				
II week lectures	Theoretical sets of kinesiometrics			
II week exercises				
III week lectures	Measuring			
III week exercises				
IV week lectures	Objectivity of measuring with different types of measuring instruments			
IV week exercises				
V week lectures	Classic and Guttman`s model of measuring theory			
V week exercises				
VI week lectures	Colloquium I			
VI week exercises				
VII week lectures	Free week			
VII week exercises				
VIII week lectures	Condensation of results of composite measuring instruments			
VIII week exercises				
IX week lectures	Reliability, Model of Intern consistency, Reliability measures under classical, Harris and image model			
IX week exercises				
X week lectures	Measuring error and determination of reliability zones			
X week exercises				
XI week lectures	Homogeneity, Homogeneity on average correlation, Homogeneity under canonical image mod.meas			
XI week exercises				
XII week lectures	Factor variability, Meas.instruments in kinez.researches.Variability determ. Under different models			
XII week exercises				
XIII week lectures	Colloquium II			
XIII week exercises				
XIV week lectures	Predictive variability, Variability under regressive, canonical and discriminative model			

XIV week exercises						
XV week lectures						
Validation of multi-composite test						
XV week exercises						
<b>Student workload</b>						
Weekly: 7 credits x 40/30 = 9 hours Structure of the load: 5 hours of teaching; 4 hours of independent work including consultancies; During the semester: Lectures and final exam: 9 hours x 16 = 144 hours; Necessary preparations before the start of the semester (administration, registration, certification); 2 x (9 hours) = 18 hours; Total hours for the course: 7x30 = 210 hours; Additional work for the preparation of the remedial final exam, including the taking the remedial final exam from 0 to 48 hours (the remaining time of the first two items to the total load of the course); Structure of the load: 144 hours (teaching) + 18 hours (preparation) + 48 hours (additional work)						
<b>Per week</b>			<b>Per semester</b>			
<b>7 credits x 40/30=9 hours and 20 minuts</b> 5 sat(a) theoretical classes 0 sat(a) practical classes 0 excercises <b>4 hour(s) i 20 minuts</b> of independent work, including consultations			Classes and final exam: <b>9 hour(s) i 20 minuts x 16 =149 hour(s) i 20 minuts</b> Necessary preparation before the beginning of the semester (administration, registration, certification): <b>9 hour(s) i 20 minuts x 2 =18 hour(s) i 40 minuts</b> Total workload for the subject: <b>7 x 30=210 hour(s)</b> Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) <b>42 hour(s) i 0 minuts</b> Workload structure: <b>149 hour(s) i 20 minuts (courses), 18 hour(s) i 40 minuts (preparation), 42 hour(s) i 0 minuts (additional work)</b>			
<b>Student obligations</b>			Students are obliged to attend classes, do the given tasks, pass two colloquiums.			
<b>Consultations</b>						
<b>Literature</b>						
Momirović, K.; B. Wolf i V. Popović (1999). Uvod u teoriju mjerenja: interne metrijske karakteristike kompozitnih mjernih instrumenata. FFK Priština. Bala, G., Stojanović, M., Stojanović, M. (2007). Mjerenje i definisanje motoričkih sposobnosti djece. Fak						
<b>Examination methods</b>			Presence, colloquiums, seminar papers, homework, tests, final exam. Marks: E 51-60, D 61-70, C 71-80, B 81-90, A 91-100.			
<b>Special remarks</b>			No			
<b>Comment</b>			No			
<b>Grade:</b>	F	E	D	C	B	A
<b>Number of points</b>	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points