Faculty		WWFiZ	Subject name		th and conditioning ports performance	
Field of study		Dhusical advection	Study year/tarm		(WF/I/st/50)	
Number of hours		Physical education 30	Study year/term ECTS points		3/6 6	
Subject type*		obligatory	Language		English	
Study level** Preliminary and addition	onal	full-time No requirements.	Subject form***		classes	
requirements (e.g. previ subjects)						
Subject objective		The aim of this subject is to provide s active people.	trength, power and flexil	bility training guid	elines for pysically	
	SI	UBJECT LEARNING OUTCOMES (COUR after completing this subject, the		ES )		
Knowledge		S_K01. Describe the benefits of a war (K_W26/P6U_W/P6S_WG).	rm-up and identify factor	s that affect flexib	ility	
		S_K02. Understanding the general ter		-	training exercise	
		and teach the basic strength exercise				
	S_K03. Identify the phases of the training program and design a sal ( <b>K_W26</b> /P6U_W/P6S_WG).				ents of a plyometric	
Skills		5.501. Conduct a warm-up before strength and power training. Perform the cool-down exercises K_U21/P6U_U/P6S_UW).				
			ining exercise and provide recommendations for physically			
		active people trying to optimize their	muscular strength (K_U	<b>21</b> /P6U_U/P6S_U	W).	
		S_S03. Show correct execution of low K_U21/P6U_U/P6S_UW).	ver- and upper-body plyo	metric exercises		
Social competences		S_SC01. Develop and clarify the goals	of a strength and condit	ioning program		
		(K_K06/P6U_K/P6S_KK).	ick of internet structure	Kout / Koc / Sci		
		S_SC02. Identify ways to reduce the r	isk of injury during a wor	KOUT ( <b>K_KU8</b> /P6U	_r/pds_KU).	
Confirmation of achieve	ed learning	Continuous assesment, assesment of	execution of the selecte	d strength, power	and flexibility	
outcomes#		exercises.				
Type of assesment mark	k##	Final assessment mark, support asses	sment mark			
, pe el ascanent nall				Subject learning		
Content			Subject form (number of hours) ###	Subject learnin outcomes	g Course learning outcomes	
	e classes (lear	ming outcomes, passing criteria,	classes (2)	S_SC01	К_КО6	
content). 2 The structure and fund	rtion of gene	ral and specific warm-ups. Factors	classes (2)	S K01, S S01,	K W26, K U21,	
		ral and specific warm-ups. Factors ion and intenisity of stretching.	Classes (2)	S_K01, S_S01, S_SC01, S_SC02	K_W26, K_U21, K_K06, K_K08	
		h-Ilfate and the second	-1 (-)	C 1/06 C 575	K 11/20 11 11	
		ballistic stretch, dynamic strtetch, ation). Guidlines for stretching.	classes (2)	S_K01, S_S01	K_W26, K_U21	
<ol> <li>A warm-up before strestrength and power train</li> </ol>	· ·	wer training. A cool-down after	classes (2)	S_K01, S_S01	K_W26, K_U21	
• •	0	movement range of motion and	classes (2)	S_K02, S_S02,	K_W26, K_U21,	
speed, breathing conside		<u>.</u>		s_sc01, s_sc02	K_K06, K_K08	
	valuation in s	trength training (squat 1RM, power	classes (2)	S_K02, S_S02,	K_W26, K_U21,	
clean, jerk).				S_SC01, S_SC02	K_K06, K_K08	
<ol> <li>Strength exercise sele balance, training equipm</li> </ol>		nd assistance exercises, muscle	classes (2)	S_K02, S_S02, S_SC01, S_SC02	K_W26, K_U21, K_K06, K_K08	
8. Strength and power ex		ogram design.	classes (2)	S_K02, S_S02,	K_W26, K_U21,	
0 Huportranhu	mdosiar		classes (3)	S_SC01, S_SC02	K_K06, K_K08	
9. Hypertrophy - program	m uesign.		classes (2)	S_K02, S_S02, S_SC01, S_SC02	K_W26, K_U21, K_K06, K_K08	
10. Muscular endurance and circuit training.		classes (2)	S_K02, S_S02,	K_W26, K_U21,		
11. Plyometric mechanics and physiology. Mechanical model of		classes (2)	S_SC01, S_SC02 S_K03, S_S03,	K_K06, K_K08 K_W26, K_U21,		
plyometric exercise. Stre			(103363 (2)	S_K03, S_S03, S_SC01, S_SC02	K_W28, K_021, K_K06, K_K08	
12. Plyometric program of consideration.	design (mode	e, lower-body plyometrics). Safety	classes (2)	S_K03, S_S03, S_SC01, S_SC02	K_W26, K_U21, K_K06, K_K08	
	design (mode	e, upper-body plyometrics). Safety	classes (2)	S_K03, S_S03,	K_W26, K_U21,	
consideration.			alass (3)	S_SC01, S_SC02	K_K06, K_K08	
<ol> <li>Plyometric exercise a training methods. Landir</li> </ol>		e training. The resisted and assisted d equipment.	classes (2)	S_K03, S_S03, S_SC01, S_SC02	K_W26, K_U21, K_K06, K_K08	
15. Final assesment (per	rformance of	practical task).	classes (2)	S_K01, S_S01,	K_W26, K_U21,	
				S_K02, S_S02, S_K03, S_S03,	K_K06, K_K08	
				S_SC01, S_SC02		
Equipment 1. Projecto						
	2. Bars, balls, Swiss balls, boxes, hurdles, jumping r					
Passing criteria		and demonstration of strength, powe ance in the classes.	r and stretching exercise	s. The student sho	ould have minimum	
		ndance in the classes. stretching techniques should be used before plyometric workout? Why?				
tasks		orm power clean and jerk.				
· · · · ·		pper-body plyometrics.				
	-					

Champaign, IL. 2. Bishop, D. (2003). Warm up II. Sports Medicine, 33(7), 483-498.							
B. Dietz, C., & Peterson, B. (2012). Triphasic training: A systematic approach to elite speed and explosive strength performance (Vol. 1). Bye Dietz Sport Enterprise.         4. Radcliffe, J., & Farentinos, R. (2015). High-Powered Plyometrics, 2E. Human Kinetics, Champaign, IL.         5. Zatsiorsky, V. M., & Kraemer, W. J. (2006). Science and practice of strength training. Human Kinetics, Champaign, IL.         ECTS points         Number of hours with teacher (e.g. classes, office hours)         Aumber of hours without teacher (e.g. homework)       110         ECTS points in total       150/6         Teacher (e-mail)       dr hab. prof. AWF Hubert Makaruk	Literature	1. Baechle, T. R., & Earle, R. W. (Eds.). (2008). Essentials of strength training and conditioning. Human Kinetics, Champaign, IL.					
performance (Vol. 1). Bye Dietz Sport Enterprise.           4. Radcliffe, J., & Farentinos, R. (2015). High-Powered Plyometrics, 2E. Human Kinetics, Champaign, IL.           5. Zatsiorsky, V. M., & Kraemer, W. J. (2006). Science and practice of strength training. Human Kinetics, Champaign, IL.           ECTS points           Number of hours with teacher (e.g. classes, office hours)           40           Number of hours without teacher (e.g. homework)           110           ECTS points in total           Teacher (e-mail)		2. Bishop, D. (2003). Warm up II. Sports Medicine, 33(7), 483-498.					
ECTS points     40       Number of hours with teacher (e.g. classes, office hours)     40       Number of hours without teacher (e.g. homework)     110       ECTS points in total     150/6       Teacher (e-mail)     dr hab. prof. AWF Hubert Makaruk		<ol> <li>Dietz, C., &amp; Peterson, B. (2012). Triphasic training: A systematic approach to elite speed and explosive strength performance (Vol. 1). Bye Dietz Sport Enterprise.</li> </ol>					
Champaign, IL.       ECTS points       Number of hours with teacher (e.g. classes, office hours)     40       Number of hours without teacher (e.g. homework)     110       ECTS points in total     150/6       Teacher (e-mail)     dr hab. prof. AWF Hubert Makaruk		4. Radcliffe, J., & Farentinos, R. (2015). High-Powered Plyometrics, 2E. Human Kinetics, Champaign, IL.					
Number of hours with teacher (e.g. classes, office hours)     40       Number of hours without teacher (e.g. homework)     110       ECTS points in total     150/6       Teacher (e-mail)     dr hab. prof. AWF Hubert Makaruk							
Number of hours without teacher (e.g. homework)     110       ECTS points in total     150/6       Teacher (e-mail)     dr hab. prof. AWF Hubert Makaruk	ECTS points						
ECTS points in total 150/6 Teacher (e-mail) dr hab. prof. AWF Hubert Makaruk	Number of hours with t	eacher (e.g. classes, office hours)	40				
Teacher (e-mail) dr hab. prof. AWF Hubert Makaruk	Number of hours witho	ut teacher (e.g. homework)	110				
	ECTS points in total		150/6				
(hubert.makaruk@awf-bp.edu.pl)	Teacher (e-mail)		dr hab. prof. AWF Hubert Makaruk				
			(hubert.makaruk@awf-bp.edu.pl)				