

Universitas Negeri Surabaya Faculty of Sports and Health Sciences

Document Code

UNESA				S1 S	spo	rts C	oacr	nıng	Edu	ıcatı	on S	tudy	/ Pro	gra	ım					I	
					S	SEM	EST	ER	LEA	ARN	ING	PL	AN								
Courses			COI	DE			Cou	rse Fa	mily					Cred	lit We	ight		SEMES	ΓER	Comp	oilation
Exercise	Physiology II		852	0202067	7									T=2	P=0	ECTS=3.	18	2		July 1	.8, 2024
AUTHORIZATION		SP Developer							Course Cluster Co			oordinator				Study Program Coordinator					
														Dr. Or. Muhammad, S.Pd., M.Pd.							
Learning model	Case Studie	S																			
Program Learning		prograr	n whic	ch is ch	arge	d to the	cours	е													
Outcome (PLO)	Program Ol		s (PO)																	
(1 20)	PLO-PO Ma	trix																			
		P.O																			
	PO Matrix a	PO Matrix at the end of each learning stage (Sub-PO)																			
			P.O	1	2	3	4	5	6	7	8	Week	10	1	1	12 1	3	14	15	1	.6
Short Course Descript	ion blood distribution principles of environments understandin	ition duri exercises, exercing how th	ing exe e, und se at h ie phys	ercise, ca erstandir high altit siological	ardiova ng hov udes, I respo	ascular w the b sports onse of	drift, as oody ad training, children	well a lapts to realiz and a	s respir o aerol ing the dolesce	atory re pic and import	esponse anaero ance of	es to ex obic ex f body	ercise, ercise, compos	ventila as w sition	ation a ell as and n	and energy understar utrition for	me ndino spo	etabolism g exercis orts, ergo	, und se in ogenio	erstan hot a cs and	ding the nd cold I sports,
Reference	ces Main:		SP Developer Course Cluster Coordinator																		
	2. Pow 3. Ninir	ers SK, I ig WK, F	Howley lartond	ET. 200 S, Nası	9. Execution J	ercise P . 2011.	hysiolog Dasar-E	gy. McG Dasar F	Graw H Fisiologi	ill.	0,			Lippir	ncott V	Villiams & \	Vilki	ns			
	Supporters:																				-
Supporti lecturer	Dr. Kunjung / Bayu Agung	Ashadi, S Pramono	S.Pd., I o, S.Pd	M.Fis., A I., M.Kes	JFO. S.	M.Appl.\$	Sc.														
Week-	Final abilities of each learning stage	f		Evaluation					Learning metho Student Assignm				ds, ents,				materials [Assessment Weight (%)			
	(Sub-PO)		Indica	ator	C	riteria	& Form			Offline	(offlir	ne)		0	nline	(online)]			

(5)

(6)

(7)

(8)

(4)

(3)

1	Able to master the concept of Cardio respiratory vascular response to exercise	1. Explain the meaning of cardio respiratory vascular 2. Identify the characteristics of the cardio respiratory vascular response to exercise and exercise 3. Evaluate the characteristics of cardio respiratory vascular response and integration into	Criteria: Full marks will be given if explained correctly	Comprehensive scientific scientific recollectionrememorizationhumanistic performance 3 X 50	0%
2	Able to master the concept of Cardio respiratory vascular response to exercise	sports training 1. Explain the meaning of cardio respiratory vascular 2. Identify the characteristics of the cardio respiratory vascular response to exercise and exercise 3. Evaluate the characteristics of cardio respiratory vascular response and integration into sports training	Criteria: Full marks will be given if explained correctly	Comprehensive scientific scientific recollectionrememorizationhumanistic performance 3 X 50	0%
3	Able to master the principles of exercise	1.Explain the meaning of training principles 2. Give examples of training principles 3. Identify characteristics of exercise principles 4. Evaluate the form of an exercise program based on exercise principles	Criteria: Full marks will be given if explained correctly	Scientific Comprehension Humanistic Generalization Humanistic Performance 3 X 50	0%
4	Able to master the concept of muscle strength training, muscle power and muscle endurance	1. Explain the meaning of strength, power and endurance training 2. Explain the role of strength, power and endurance training on muscles 3. Mention examples of muscle strength, muscle power and muscle endurance training	Criteria: Full marks will be given if explained correctly	Scientific Comprehensive Humanistic Generalization 3 X 50	0%

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5	Able to master the concept of muscle strength training, muscle power and muscle endurance	1. Explain the meaning of strength, power and endurance training 2. Explain the role of strength, power and endurance training on muscles 3. Mention examples of muscle strength, muscle power and muscle endurance training on training	Criteria: Full marks will be given if explained correctly	Scientific Comprehensive Humanistic Generalization 3 X 50		0%
6	Able to master the analysis of aerobic and anaerobic exercise	1. Explain the meaning of aerobic and anaerobic 2. Explain the role of aerobic and anaerobic exercise 3. Explains aerobic and anaerobic measurements in exercise 4. Evaluate the aerobic and anaerobic and anaerobic and anaerobic aspects of training	Criteria: Give full marks if you explain correctly Give full marks if you can practice correctly according to aerobic and anaerobic measurement techniques	Collaborative cognitiveScientific associative Humanistic automatic 3 X 50		0%
7	Able to master the analysis of aerobic and anaerobic exercise	1.Explain the meaning of aerobic and anaerobic 2.Explain the role of aerobic and anaerobic exercise 3.Explains aerobic and anaerobic measurements in exercise 4.Evaluate the aerobic and anaerobic and anaerobic and anaerobic at taining	Criteria: Give full marks if you explain correctly Give full marks if you can practice correctly according to aerobic and anaerobic measurement techniques	Collaborative cognitiveScientific associative Humanistic automatic 3 X 50		0%
8	UTS			3 X 50		0%
9	Able to master the concept of training in hot and cold environments	1. Explain the meaning of exercise in hot and cold environments 2. Understand the concept of body adaptation when exercising in hot and cold environments 3. Understand the health risks of exercising in hot and cold environments	Criteria: Full marks will be given if explained correctly	Scientific Comprehension Humanistic Generalization 3 X 50		0%

16	UAS			3 X 50		0%
15	Understand the concept of the influence of sport on children's growth and development and aging due to sport	1.Explain the concept of growth and development 2.Explains the concept of the effects of exercise on acute physiological aspects after exercise 3.Explains the concept of sports performance to parents	Criteria: Full marks will be given if explained correctly	Collaborative Motivation Scientific Comprehension 3 X 50		0%
14	Understand the concept of ergogenic substances and exercise	1.Explain the concept of ergogenic substances 2.Understand the concept of doping and sport 3.Analyze the use of ergogenics and exercise	Criteria: Full marks will be given if explained correctly	Collaborative Motivation Scientific Comprehension 3 X 50		0%
13	Able to master the concepts of body composition and nutrition for sports	1.Explain the concept of body composition 2.Take body composition measurements including skin fat thickness 3.Understanding nutrition in sports	Criteria: Give full marks if you explain correctly. Give full marks if you can practice correctly according to the body composition measurement technique	Collaborative cognitiveScientific associative Humanistic automatic 3 X 50		0%
12	Able to master sports training model optimization	1.Explains the concept of sports training including various forms and models. 2.Analyzing the hormonal response to overtraining 3.Understanding tapering with peak performance	Criteria: Explain the concept of sports training	Scientific Comprehension Humanistic Generalization 3 X 50		0%
11	Able to master sports training model optimization	1. Explains the concept of sports training including various forms and models. 2. Analyzing the hormonal response to overtraining 3. Understanding tapering with peak performance	Criteria: Explain the concept of sports training	Scientific Comprehension Humanistic Generalization 3 X 50		0%
10	Able to master the concept of training at high altitudes (training altitude)	1.Explains the concept of training at high altitudes 2.Understanding the physiological processes of high altitude exercise 3.Understand the health risks of exercising at high altitudes	Criteria: Full marks will be given if explained correctly	Scientific Comprehensive Humanistic Generalization 3 X 50		0%

0%

Notes

- 1. Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the
- The PLO imposed on courses are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.

 3. Program Objectives (PO) are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material
- or learning materials for that course.
- Sub-PO (Sub-PO) is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. Indicators for assessing ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or
- Forms of assessment: test and non-test.
- Forms of learning: Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.

 Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning,
- Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- 12. TM=Face to face, PT=Structured assignments, BM=Independent study.