

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Exercise Physiology						
Course Code	REKB201	Couse Leve	se Level First Cycle (Bachelor's Degree)				
ECTS Credit 4	Workload 94 (Hours)) Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is; muscle fibril types and the contraction types and thei exercise and recovery pro changes in chronic exercise	changes that r relationship w cess, circulato	will occur vith exerci	according to the	e type of ex duction ways	ercise, to compreh s, energy production	end the
Course Content	Muscle physiology and fur circulatory system, respira						
Work Placement	N/A						
Planned Learning Activities	and Teaching Methods	Explanation	(Presenta	ation), Demonst	tration, Indiv	ridual Study	
Name of Lecturer(s)	Assoc. Prof. Esin ERGİN						

Prerequisites & Co-requisities

ECTS Requisite 45

Assessment Methods and Criteria				
Method		Quantity	Percentage (%)	
Midterm Examination		1	40	
Final Examination		1	70	

Recommended or Required Reading

- Fox, C., Bower, W., Foss, D., 2011,(Çeviri: Mesut Cerit) Beden Eğitimi ve Sporun Fizyolojik Temelleri, Bağırgan YayıneviAnkara
- 2 Tiryaki Sönmez G., Egzersiz ve spor fizyolojisi, birlik yayınclık, Ankara

Week	Weekly Detailed Course Contents				
1	Theoretical	dersin işlenişi hakkında bilgi ve tanışma			
2	Theoretical	enerji sistemleri			
3	Theoretical	energy systems			
4	Theoretical	physiological basis of recovery			
5	Theoretical	muscle physiology, structure of skeletal muscle			
6	Theoretical	muscle contraction, types of contraction and training adaptation			
7	Theoretical	nervous system and muscular senses			
8	Theoretical	Respiratory system and mechanism			
9	Theoretical	midterm exam			
10	Theoretical	Gas exchange and transport - partial pressure - oxygen and carbon dioxide transport - oxyhemoglobin curve			
11	Theoretical	Circulatory system and heart-calf stimulation and action potential			
12	Theoretical	Fick's equation and exercise adaptations of this equation, flow resistance			
13	Theoretical	Exercise responses of the cardiovascular and respiratory system			
14	Final Exam	final exam			

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70



Individual Work	6	2	2	24
		To	otal Workload (Hours)	94
		[Total Workload (Hours) / 25*] = ECTS	4
*25 hour workload is accepted as 1 ECTS				

Learn	ning Outcomes
1	Learning the acute and chronic reactions of the physiological systems to the exhaust
2	Physiological bases of performance related physical fitness parameters
3	Performance related physical fitness parameters can be learned and applied to measurement methods.
4	The physiological effects of varying levels of physical activity and sex on the variable intensity and range of exercises comparison of reactions.
5	examination of the heart and circulatory system

rogi	ramme Outcomes (Recreation)
1	Students have comprehensive and systematic information about concepts, principles, theories, facts in disciplines related to Recreation in Recreation field and use and interpret these information in workplace
2	By specialising in certain studies of profession related to Recreation, students carry out planning and control functions in the field.
3	By using the knowledge about Recreation, students fullfil responsibilities in league with other occupational groups
4	Students carry out the recommendation and coordination functions, and plan activities related to Recreation
5	Students behave in accordance with the codes of ethics and laws and regulations related to right and liability of Recreation field.
6	Students analyse by using the known techniques related to Recreation
7	Students fullfil scientific information responsibility related to Recreation and research
8	Students develop positive behaviour and attitude towards healthy life-long sport
9	Students set an example as a model to society and colleagues with theirprofessional identity related to Recreation field
10	Students must communicate written or verbal in some foreign languages

