

AYDIN ADNAN MENDERES UNIVERSITY GRADUATE SCHOOL OF HEALTH SCIENCES MEDICAL BIOLOGY MEDICAL BIOLOGY MEDICAL BIOLOGY MASTER COURSE INFORMATION FORM

Course Titl	e N	Molecular Ba	isics of Aging a	nd Agin	ng Disease	S				
Course Code TIB53		FIB533	33		Couse Level		Second Cycle (Master's Degree)			
ECTS Crea	dit 4 V	Vorkload	100 (Hours)	Theory	/ 2	2	Practice	0	Laboratory	0
Objectives	of the Course									
Course Co	ntent									
Work Place	ement N	N/A								
Planned Learning Activities and Teaching Me			Methods	Explan	ation (Pres	sentat	ion)			
Name of Le	ecturer(s)	Assoc. Prof.	Gizem DÖNME	Z YALÇ	ÇIN					
Assessme	ent Methods and C	Criteria								
Method			Qua	ntity	Percentag	ge (%))			
Midterm E>	amination			1	40					
Final Exam	nination			1	60					
Recomme	nded or Required	Reading								
1 1. N	ICBI Pubmed ve gi	üncel bilimse	el yayınlar							
2 2. C	cells , Aging and H	uman Disea	se by Michael F	Fossel (2	2004)					
Week	Weekly Detailed (Course Con	tents							
1	Theoretical	Aging	mechanisms a	and theo	ories I					
2	Theoretical	Aging	mechanims ar	nd theor	ies II					
3	Theoretical	Cellul	ar and organisi	mal agir	ng					
4 Theoretical Genes ar		Senes and pathways whose expressions change during aging								
5 Theoretical The scier		The scientific aging reserach								
6 Theoretical The aging		The aging diseases and their molecular basics								
7 Theoretical The microarray ar		nicroarray analy	ses of	young and	old ce	ells				
8 Theoretical Alzheimer's Dise			imer's Disease	er's Disease and its molecular basics						
9	Intermediate Exa	am Midte	rm Exam							
10	Theoretical	Parkir	nson's Disease	and its	molecular	basic	s			
11	11 Theoretical Huntington's Disease			e and its	s molecula	basi	cs			
12	Theoretical	Cance	er and its mole	cular ba	sics					
13	13 Theoretical Metabolic syndrome			and its molecular basics						
14 Theoretical Cardiac disease		iac disease and its molecular basics								
15	15 Final Exam Final Ex									

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload		
Lecture - Theory	13	4	2	78		
Midterm Examination	1	8	2	10		
Final Examination	1	10	2	12		
	100					
	4					

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1		
2		
3		



4
5

Progra	amme Outcomes (Medical Biology Master)	
1	To acquire fundamental knowledge on medical biology field	
2	To gain expertise on molecular biology techniques	
3	To utilize molecular biology techniques	
4	To be able to construct and conduct a research project	
5	To be able to follow and interpret scientific advancements	

Contribution of Learning Outcomes to Programme Outcomes 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

	L1	L2	L3	L4	L5
P1	5	5	5	2	3
P2	1	1	1	1	1
P3	1	1	1	1	1
P4	1	1	1	1	1
P5	3	3	3	5	4

