



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

Course Title	Molecular Basics of Metabolic Syndrome								
Course Code	TIB534	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	4	Workload	101 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course									
Course Content									
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)	Assoc. Prof. Abdullah YALÇIN								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	2. Metabolic Syndrome: Underlying mechanisms and drug therapies, Minghan Wang (2011)
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Week	Weekly Detailed Course Contents	
1	Theoretical	Obesity in Turkey and in the world
2	Theoretical	The molecular mechanisms and signal pathways of obesity I
3	Theoretical	The molecular mechanisms and signal pathways of obesity II
4	Theoretical	Scientific research in the obesity field I
5	Theoretical	Scientific research in the obesity field II
6	Theoretical	Animal models used in the obesity research
7	Theoretical	The molecular research and development of therapeutic pathways of obesity I
8	Theoretical	The molecular research and development of therapeutic pathways of obesity II
9	Intermediate Exam	Midterm Exam
10	Theoretical	Diabetes in Turkey and in the world
11	Theoretical	The molecular mechanisms and signal pathways of diabetes
12	Theoretical	Scientific research in the diabetes field
13	Theoretical	Animal models used in the diabetes research
14	Theoretical	The molecular research and development of therapeutic pathways of diabetes
15	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	5	2	91
Midterm Examination	1	2	2	4
Final Examination	1	4	2	6
Total Workload (Hours)				101
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	
2	
3	
4	



5

Programme 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

