



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Techniques in Medical Biology							
Course Code		TIB528		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	125 (<i>Hours</i>)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course									
Course Content									
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. NCBI Pubmed ve güncel bilimsel yayınlar
2	2. Basic Methods in Molecular Biology. Davis et al (1995)

Week	Weekly Detailed Course Contents	
1	Practice	General principles of laboratory practices and safety I
2	Practice	General principles of laboratory practices and safety II
3	Practice	Sterilization in Laboratory
4	Practice	Concentrations and Calculations
5	Practice	Preparing Solutions
6	Practice	Using the pH meter
7	Practice	The techniques of centrifugation
8	Intermediate Exam	Midterm Exam
9	Practice	Using spectrophotometer
10	Practice	Cell culture I
11	Practice	Cell culture II and counting cells
12	Practice	Microscope
13	Practice	microscope usage I
14	Practice	microscope usage II
15	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	2	1	39
Lecture - Practice	13	4	2	78
Midterm Examination	1	2	2	4
Final Examination	1	2	2	4
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5

*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	3	3	2	2
P2	1	5	5	3	5
P3	1	5	5	3	5
P4	1	1	1	1	1
P5	3	3	3	5	3

