



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

Course Title	Principles of Inheritance								
Course Code	TIB525	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	5	Workload	120 (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. Mehtap KILIÇ EREN								

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. Genetik Kavramlar – Klug et al. – 8. Baskıdan çeviri Palme Yayıncılık (2011)

Week	Weekly Detailed Course Contents	
1	Theoretical	Structure of Genetic Material
2	Theoretical	Principles of Mendelian Inheritance
3	Theoretical	Otosomal Inheritance
4	Theoretical	Chrosomal Principles of Inheritance
5	Theoretical	Multifactorial Inheritance
6	Theoretical	Intermarriages
7	Theoretical	Non-mendelian Inheritance
8	Intermediate Exam	Midterm exam
9	Theoretical	Mitochondrial Genom and Inheritance
10	Theoretical	Developmental genetics of model organisms
11	Theoretical	Quantitative Genetics ve Multifactorial Properties
12	Theoretical	The role of inheritance in Evolution
13	Theoretical	Population Genetics
14	Theoretical	Inheritance, Technology and Society
15	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	5	2	91
Midterm Examination	1	7	2	9
Final Examination	1	18	2	20
Total Workload (Hours)				120
[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	5	5	2	2
P2	1	1	1	1	1
P3	1	1	1	1	1
P4	1	1	1	2	4
P5	3	3	3	5	4

