



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Molecular Evolution and Phylogenetics							
Course Code		BİÖ612		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	8	Workload	202 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Molecular Evolution and Phylogenetics							
Course Content		Molecular Evolution and Phylogenetics							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Gen Klonlama ve DNA Analizi
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Week	Weekly Detailed Course Contents	
1	Theoretical	Moleküler Evrim ve Filogeneni analizi
2	Theoretical	Moleküler Evrim ve Filogeneni analizi
3	Theoretical	Moleküler Evrim ve Filogeneni analizi
4	Practice	Moleküler Evrim ve Filogeneni analizi
5	Practice	Moleküler Evrim ve Filogeneni analizi
6	Practice	Moleküler Evrim ve Filogeneni analizi
7	Theoretical	Moleküler Evrim ve Filogeneni analizi
8	Intermediate Exam	Midterm exam
9	Theoretical	Moleküler Evrim ve Filogeneni analizi
10	Practice	Moleküler Evrim ve Filogeneni analizi
11	Theoretical	Moleküler Evrim ve Filogeneni analizi
12	Practice	Moleküler Evrim ve Filogeneni analizi
13	Theoretical	Moleküler Evrim ve Filogeneni analizi
14	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	8	0	2	16
Lecture - Practice	6	0	2	12
Assignment	5	0	10	50
Term Project	2	0	20	40
Individual Work	1	0	60	60
Quiz	5	0	3	15
Final Examination	1	5	4	9
Total Workload (Hours)				202
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	
2	



3	
4	
5	

Programme Outcomes (Biology Doctorate)

1	To have enough scientific background knowledge towards a specific study and research area
2	To have an ability to identify, evaluate and develop a solution for a problem on biological aspects
3	To be able to evaluate scientific observations and results of experiments using statistical analysis methods
4	To have basic skills in areas related to field of biological studies
5	To have the ability to develop cooperation with different disciplines with the high level of social communication required for studies
6	To have knowledge of technology and use of methods and means used in biological researches
7	To have an ethical understanding which will be a guide for their investigations and publications
8	For PhD; to have European Language Portfolio C1 general level language skill
9	To be able to present and discuss own research results in accordance with scientific discipline using technological tools in scientific research environments
10	To be able to detect and evaluate economic and social impacts of an own original research results
11	To be equipped with ability of carrying out independent study in biological field
12	To be able to publish at least one an international/national peer reviewed scientific paper and/or produce or interpret an original work related to biology in order to expand the frontiers of knowledge
13	To be able to develop new approaches or adaptations to be used in solving scientific and biological problems
14	To be able to develop new understanding and approaches in order to explain a new phenomenon or a biological event under investigation
15	To have abilities and experience to create new search area through inspiration gained from subject searched

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

	L1	L2	L3	L4	L5
P2	5				
P3		5		2	
P4			5		2

