



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Up to Date in Virology							
Course Code		MBTK629		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	10	Workload	250 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to follow the current developent in virology by reading and discussing the articles in scientific journals about virology							
Course Content		During these courses original articles in the latest issue of predetermined scientific journals on virology will be discussed. For this purpose all original articles in the latest issue of one of the 13 journals will be discussed each week							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Journals selected for lecture
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Week	Weekly Detailed Course Contents	
1	Theoretical	Journal of Virology, Reading original articles in the latest issue
2	Theoretical	Current Opinion in Virology, Reading original articles in the latest issue
3	Theoretical	Retrovirology Reading original articles in the latest issue
4	Theoretical	Topics in antiviral medicine Reading original articles in the latest issue
5	Theoretical	Virus Research, Reading original articles in the latest issue
6	Theoretical	Journal of Vaccines and Vaccination Reading original articles in the latest issue
7	Theoretical	Journal of Antivirals and Antiretrovirals Reading original articles in the latest issue
8	Intermediate Exam	Midterm exam
9	Theoretical	Food and Environmental Virology Reading original articles in the latest issue
10	Theoretical	Journal of NeuroVirology Reading original articles in the latest issue
11	Theoretical	Current HIV Research Reading original articles in the latest issue
12	Theoretical	Journal of Clinical Virology Reading original articles in the latest issu
13	Theoretical	Virus Research Reading original articles in the latest issue
14	Theoretical	Viral Immunology Reading original articles in the latest issue
15	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	0	3	39
Assignment	6	0	15	90
Term Project	3	0	6	18
Reading	5	0	4	20
Individual Work	13	0	5	65
Quiz	6	0	2	12
Midterm Examination	1	0	3	3



Final Examination	1	0	3	3
Total Workload (Hours)				250
[Total Workload (Hours) / 25*] = ECTS				10
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	.Able to follow the current studies on virology
2	Be able to read, understand and discuss a scientific article
3	To get knowledge about virüs of medical importance
4	To have current knowledge on vaccins
5	To have current knowledge on retroviruses
6	To have current knowledge on treatment of viral infections
7	To have current knowledge on antivirals and antiretrovirals.
8	To have current knowledge on environmental viruses

Programme Outcomes (Molecular Biotechnology(English) Interdisciplinary Doctorate)

1	Ability to identify, analyze and understand problems related to molecular biotechnology and finding valid conclusions with basic knowledge in biotechnology
2	Ability to appropriately use laboratories and their associated equipment as part of research and observation activities through various branches of sciences
3	Ability to understand and interpret biological processes at cell, tissue, organ, system and organism levels
4	Ability to decide and apply appropriate tools and techniques in biotechnological manipulation
5	Ability to comprehend fundamentals of genetics and molecular biology and carry out basic methods in relevant applications
6	Ability to apply the fundamentals of protein and DNA chemistry, and immunology to techniques in biotechnology
7	. Ability to understand and practice basics of applied biotechnology, with acquired knowledge on problem solving approaches
8	Ability to understand and interpret basics of molecular applications within medical, agriculture, veterinary and forensic sciences
9	Ability to perceive biological existence at the global and regional scales, together with comprehension of associated problems
10	Acquiring appropriate knowledge in the field of basic sciences to support perception, analysis and interpretation of biological facts, and ability to use and practice relevant methods for this goal
11	Ability to develop proficiency in laboratory management, including maintenance of an orderly work environment, inventory and ordering, and set up or maintenance of equipment
12	Ability to learn essential methods in microbiology and basic skills in a microbiology labortaory
13	Ability to demonstrate proficiency with standard techniques in liquid measurement, recombinant DNA technology, protein purification and identification, and cell culture

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

	L1	L2	L3	L4	L5	L6	L7	L8
P1	5	5	5	5	5	5	5	5
P2	5	5	5	5	5	5	5	5
P3	3	3	3	3	3	3	3	3
P4	5	5	4	4	4	4	4	4
P5	5	5	4	4	4	4	4	4
P6	3	3	3	3	3	3	3	3
P7	4	4	5	5	5	5	5	5
P8	4	4	5	5	5	5	5	5
P9	4	4	5	5	5	5	5	5
P10	4	4	5	5	5	5	5	5
P11	3	3	3	3	3	3	3	3
P12	3	3	3	3	3	3	3	3
P13	5	5	5	5	5	5	5	5

