AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Classification of Viruses (taxonomy of Viruses)						
Course Code		VVR505		Couse Level		Second Cycle (Master's Degree)		
ECTS Credit	3	Workload	71 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course; to teach virus origins and evolution and also classification according to nucleic acid, morphological, physicochemical and biological properties of viruses.						
Course Content		Criteria for viral taxonomy, nomenclature, classification according to nucleic acid, morphological, physicochemical and biological properties of viruses. Genera and species belonging to the families of DNA and RNA viruses. General characters of viruses in these families and the diseases caused by these virus species.						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Experiment, Demonstration, Discussion, Individual Study					
Name of Lecturer(s)		Prof. Mehmet Tolga TAN, Prof. Nural EROL						

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	24
Final Examination	1	60
Quiz	1	8
Term Assignment	1	8

Recommended or Required Reading

1	1. MacLachlan N.J. and Dubovi E.J.(2012) "Fenners Veterinary Virology", 4th edition, Academic Press
2	2. Yesilbag K. (2010) "General Virology", Uludag University Press.
3	Playfair J.H.L. and Bancroft B.J. (2004) "Infection and Immunity", 2nd edition, Oxford University Press.

Week	Weekly Detailed Course Contents	
1	Theoretical	Criteria for viral taxonomy
2	Theoretical	Nomenclature
3	Theoretical	Classification based on nucleic acid
4	Theoretical	Classification based on morphological properties of viruses
5	Theoretical	Classification based on physicochemical properties of viruses
6	Theoretical	Classification based on biological properties of viruses
7	Theoretical	DNA virus families
8	Intermediate Exam	Mid-Term Exam
9	Theoretical	DNA virus families
10	Theoretical	RNA virus families
11	Theoretical	RNA virus families
12	Theoretical	General characters of viruses in families of viruses.
13	Theoretical	The diseases caused by virus species.
14	Theoretical	The properties of genera and species which cause disease classified in the virus families belonging DNA and RNA.
15	Theoretical	Discussion
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	1	0	14	14
Assignment	1	1	1	2
Individual Work	7	0	1	7
Midterm Examination	1	20	1	21

Final Examination	1	25	2	27
		Total Workload (Hours)		71
		[Total Workload (Hours) / 25*] = **ECTS**		3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	know the general criteria in taxonomy of viruses
2	know classification according to nucleic acid, morphological, physicochemical and biological properties of viruses
3	learn general characters of virus species in these (RNA and DNA) families
4	learn the diseases caused by these virus species classified in the families
5	Students will be able to understand or develop strategies to combat viruses using and comparing the taxonomic features of viruses.

Programme Outcomes *(Virology (Veterinary Medicine) Master)*

1	To be understood the fundamentals of virology, the relations between animal and human in terms of viruses.
2	To be taught to morphological and chemical structure, diversity, classification, cultivation of viruses and be able to infection of virus, be able to blocked abilities of virus replication.
3	To be informed about epidemiology of viral diseases and the control strategies against to viral diseases.
4	To be taught the cultivation, isolation, identification, quantification of viruses
5	To be informed about etiology, epidemiology, pathogenesis, pathology and diagnosis of viral diseases important for animal health in Turkey.
6	To be taught vaccines and types of vaccines. The new developments of vaccines and applications of vaccines.
7	To be informed about advantages and disadvantages of applications of vaccine., and also complications of result of vaccination or post vaccination
8	Understand basic laboratory knowledge and virology laboratory applications.
9	Understand The Laboratory security and Good Laboratory Practice
10	To be taught the GLP in Virology.
11	Using the obtained scientific data in scientific publications such as reports, thesis, article books and writing criteria in ethical rules.

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				1	
P2	4	5	5	4	5
P3				1	3
P4	2		3	2	
P5	3			3	