AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	General Characters of Viruses								
Course Code	VVR501		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	5	Workload	125 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course; to teach general information about viruses and other microorganisms.								
Course Content	The general morphological structure of viruses, components of viruses and roles and mechanisms of this components, differences between viruses and bacteria and also other microorganism, sensibility to chemical and physical factors and able to use this main information taught are provided by Virology Department.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion, Individual Study								
Name of Lecturer(s)	Prof. Nural EROL								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Virology-I" Burgu I., Akca Y., Ankara University Press, Ankara, 2006
2	Burgu, I., Akça Y., (2007) ÖzelViroloji, Ankara ÜniversitesiVeterinerFakültesiYayınları, Ankara
3	Murphy, F.A., Gibbs, E.P.J., Horzinek, M.C., Studdert, M.J., (1999) Veterinary Virology, Academic Press, 3. Ed., Boston, New York, Sydney, Tokyo, Toronto
4	Flint S. J., Enquist, L. W., Racaniello, V.R., Skalka, A.M. (2009) Principles of Virology, ASM Press, 3. Ed., USA

Week	Weekly Detailed Course Contents	
1	Theoretical	History of Virology, Importance of Virology, Using Areas of Viruses, Origin of Viruses
2	Theoretical	Definition of virus, Differences between viruses and bacteria
3	Theoretical	The relationships viruses and hosts
4	Theoretical	The relationships viruses and hosts.
5	Theoretical	The morphological structure of viruses.
6	Theoretical	The morphological structure of viruses.
7	Theoretical	The morphological structure of viruses.
8	Intermediate Exam	Mid-Term Exam
9	Theoretical	The components of viruses.
10	Theoretical	The chemical compositions of the components of some viruses which is important for veterinary medicine.
11	Theoretical	The role of the components of viruses.
12	Theoretical	The sensibility of viruses to chemical and physical factors.
13	Theoretical	The conservation of infectious matter of viruses.
14	Theoretical	Discussion
15	Final Exam	Final Term Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	2	4	0	8
Seminar	2	4	0	8
Individual Work	8	4	0	32
Midterm Examination	1	25	1	26

Final Examination	1	35	2	37
			Total Workload (Hours)	125
			[Total Workload (Hours) / 25*] = **ECTS**	5
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To inform about the general properties of viruses.
2	Have the general knowledge about differences between viruses and other microorganisms.
3	Be able to know components of viruses and chemical components of viruses
4	Be able to understand the general morphological structure of viruses.
5	To know the basic features of viruses that are important for determining strategies to control and eradication of viral infections

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
P1	5			
P2	5		5	5
P4		2		