



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Prions and Their Infections								
Course Code	MİK635		Course Level		Third Cycle (Doctorate Degree)				
ECTS Credit	4	Workload	99 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The objective of this course is to give information about prions and their infections.								
Course Content	General features of prions. Their transmission ways to humans and animals, the sources of the infective agents, factors in transmission. Last experimental studies. The ideas on the causative agent of spongiform encephalopathies. Aetiology, epizootiology, symptoms and diagnosis of BSE (Bovine Spongiform Encephalopathy), OSE (Ovine spongiform encephalopathy), CJD (Creutzfeldt Jacop Disease).								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Case Study								
Name of Lecturer(s)	Prof. Göksel ERBAŞ, Prof. Süheyla TÜRKYILMAZ								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Assignment	2	20
Quiz	2	20
Midterm Examination	1	20
Final Examination	1	20

Recommended or Required Reading

1	Temel Mikrobiyoloji
2	Veteriner Bakteriyoloji
3	İmmunoloji
4	Microbial Biotechnology in Agriculture and Aquaculture

Weekly Detailed Course Contents & Teaching Methods

Week	Teaching Method	Weekly Detailed Course Contents & Teaching Methods
1	Theoretical	General features of prions
2	Theoretical	Their transmission ways to humans and animals
3	Theoretical	Predisposed factors in transmission
4	Theoretical	Recent experimental studies
5	Theoretical	Aetiology of BSE (Bovine Spongiform Encephalopathy)
6	Theoretical	Epizootiology of BSE (Bovine Spongiform Encephalopathy)
7	Theoretical	Symptoms and diagnosis of BSE (Bovine Spongiform Encephalopathy)
8	Theoretical	Discussion
9	Theoretical	Aetiology, epizootiology of OSE (Ovine Spongiform Encephalopathy)
10	Theoretical	Symptoms and diagnosis of OSE (Ovine Spongiform Encephalopathy)
11	Theoretical	Aetiology, epizootiology of CJD (Creutzfeldt Jacop Disease)
12	Theoretical	Aetiology, epizootiology of CJD (Creutzfeldt Jacop Disease)
13	Theoretical	Symptoms and diagnosis of CJD (Creutzfeldt Jacop Disease)
14	Theoretical	Symptoms and diagnosis of CJD (Creutzfeldt Jacop Disease)

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	0	2	4
Laboratory	14	2	2	56
Quiz	2	2	1	6
Midterm Examination	1	1	1	2



Final Examination	1	2	1	3
Total Workload (Hours)				99
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	1. Having information about prions and their infections
2	2. To have knowledge about epidemiology in prion infections
3	3. Having information about the diagnosis of prion infections
4	4. To have knowledge about therapy in prion infections
5	5. Providing ability to use these informations

Programme Outcomes (Microbiology (Veterinary Medicine) Doctorate)

1	Department has the ability to identify and apply information about bacteriology, virology, mycology and has the ability to recognize diseases about veterinary medicine.
2	Department has the ability to take the advantage of technology and has the ability to diagnose, treat and prevent the diseases by using appropriate equipments.
3	Department has the ability to analyze the epidemiological compounds of an animal population and has the ability to get precautions.
4	Department has the ability to test or analyze the diseases and has the ability to evaluate the results.
5	Department has the ability to perform, produce and conclude projects for scientific researches.
6	Department has the ability to donate theoretical and practical knowledge about postgraduate students in the are of microbiology.
7	Graduate students has the ability to perform scientific researches.

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	4	4	4	5
P2	5	4	5	3	5
P3	4	5	5	4	4
P4	5	4	4	5	5
P5	4	5	5	4	4
P6	5	4	4	5	5
P7	3	3	5	4	5

