



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Acute Phase Proteins in Microbiology and Clinical Applications								
Course Code	MIK648	Course Level			Third Cycle (Doctorate Degree)				
ECTS Credit	2	Workload	48 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The objective of this course is to give information about acute phase proteins in microbiology and clinical applications.								
Course Content	Acute phase response, acute phase proteins, structure and possible function in acute phase response, regulation of acute phase proteins, the cytokines and hormones implicated in acute phase protein regulation, acute phase proteins in the clinical applications.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Case Study								
Name of Lecturer(s)	Prof. Uğur PARIN								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Handbook of Vertebrate Immunology
2	İmmunoloji

Week Weekly Detailed Course Contents & Teaching Methods

Week	Weekly Detailed Course Contents & Teaching Methods	
1	Theoretical	Acute phase response
2	Theoretical	Acute phase response
3	Theoretical	Acute phase response
4	Theoretical	Acute phase proteins
5	Theoretical	Acute phase proteins
6	Theoretical	Structure of acute phase proteins
7	Theoretical	Structure of acute phase proteins
8	Theoretical	Discussion
9	Theoretical	Functions of acute phase proteins
10	Theoretical	Functions of acute phase proteins
11	Theoretical	Cytokines within the regulation of acute phase proteins
12	Theoretical	Cytokines within the regulation of acute phase proteins
13	Theoretical	Clinical applications
14	Theoretical	Clinical applications

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	6	2	8
Final Examination	1	10	2	12
Total Workload (Hours)				48
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. Having information about acute phase proteins
2	2. Having information about mechanisms of acute phase proteins
3	3. To have knowledge about measurement techniques of acute phase proteins
4	4. To have information about the evaluation of acute phase protein levels



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

