AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Up to Date in Bacteriology								
Course Code	MBTK630		Couse Level		Third Cycle (Doctorate Degree)				
ECTS Credit	10	Workload	250 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is to follow the current developent in bacteriology by reading and discussing the original articles in scientific journals about bacteriology								
Course Content	During these bacteriology courses original articles of predetermined scientific journals on bacteriology will be discussed. For this purpose all original articles in the latest issue of one of the total of 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)	Prof. Gamze BAŞBÜLBÜL								

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

Recommended or Required Reading	
1	Journal selected for lecture

Week	Weekly Detailed Course Contents	
1	Theoretical	Journal of Bacteriology, Reading original articles in the latest issue
2	Theoretical	Journal of Microbial and Biochemical Technology, Reading original articles in the latest issue
3	Theoretical	Biodegradation, Reading original articles in the latest issue
4	Theoretical	Trials in Vaccinology, Reading original articles in the latest issue
5	Theoretical	Molecular Oral Microbiology, Reading original articles in the latest issue
6	Theoretical	Food Microbiology, Reading original articles in the latest issue
7	Theoretical	International Journal of Medical Microbiology, Reading original articles in the latest issue
8	Intermediate Exam	Midterm exam
9	Theoretical	Veterinary Microbiology, Reading original articles in the latest issue
10	Theoretical	Gut Microbes, Reading original articles in the latest issue
11	Theoretical	Journal of Medical Microbiology, Reading original articles in the latest issue
12	Theoretical	Journal of Medical Microbiology, Reading original articles in the latest issue
13	Theoretical	Nature biotechnology, Reading original articles in the latest issue
14	Theoretical	Environmental Microbiology, 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	4	12
Reading	5	0	4	20
Individual Work	13	0	5	65
Quiz	6	0	3	18
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	Be able to follow current subjects of bacteriology
2	Be able to read scientific articles
3	Be able to understand current subjects in biodegradation
4	Be able to follow current knowledge about vaccins
5	Be able to follow current knowledge about oral and dental bacteriology
6	Be able to follow current knowledge about food bacteriology
7	Be able to follow current knowledge about medical bacteriology
8	Be able to follow current knowledge about environmental bacteriology
9	Be able to follow current knowledge about microbiom
10	Be able to follow current knowledge about biotechnology

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	L9	L10
P1	5	5	5	5	5	5	5	5	5	5
P2	5	5	5	5	5	5	5	5	5	5
P3	3	3	3	3	3	3	3	3	3	3
P4	5	5	4	4	4	4	4	4	4	4
P5	5	5	4	4	4	4	4	4	4	4
P6	3	3	3	3	3	3	3	3	3	3
P7	4	4	5	5	5	5	5	5	5	5
P8	4	4	5	5	5	5	5	5	5	5
P9	4	4	5	5	5	5	5	5	5	5
P10	4	4	5	5	5	5	5	5	5	5
P11	3	3	3	3	3	3	3	3	3	3
P12	3	3	3	3	3	3	3	3	3	3
P13	5	5	5	5	5	5	5	5	5	5