

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Basic Biochen	nistry							
Course Code	GT504		Couse Level		l	Short Cycle (Associate's Degree)			
ECTS Credit 2	Workload	45 (Hours)	Theory	,	2	Practice	0	Laboratory	0
Objectives of the Course This derste is aimed at understanding the biomolecules of the students and the tasks of these molecule It is also intended to teach the processes of biochemical events occurring in the body and the basic metabolic events.									
Course Content Our course covers the structure and importance of water and water, the structures and functions of biomolecules such as proteins and building blocks, carbohydrates and building blocks, lipids, and nuc acids.									
Work Placement	N/A								
Planned Learning Activities and Teaching Methods Explanati				ation	(Presentat	tion), Discuss	on		
Name of Lecturer(s)									

Assessment Methods and Criteria					
Method	Quantity	Percentage (%)			
Midterm Examination	1	40			
Final Examination	1	70			

Recommended or Required Reading

Bukhari, H. Biochemistry. Nobel Publishing Distribution. 2010. Aktümsek, A., Nurullahoğlu, Ü.Z. Practical Biochemistry. Nobel Publishing Distribution. 2007

Week	Weekly Detailed Course Contents						
1	Theoretical	Course Introduction and Basic Components of Living Organisms					
2	Theoretical	Water and water structure					
3	Theoretical	Structures of proteins and amino acids					
4	Theoretical	Nucleic acids					
5	Theoretical	Enzymes					
6	Theoretical	Vitamins					
7	Theoretical	Carbohydrates					
8	Intermediate Exam	Midterm					
9	Theoretical	Lipids					
10	Theoretical	Functions of proteins in metabolism					
11	Theoretical	Functions of enzymes in metabolism					
12	Theoretical	Functions of vitamins in metabolism					
13	Theoretical	Functions of carbohydrates in metabolism					
14	Theoretical	Functions of lipids in metabolism					
15	Theoretical	General lesson again					
16	Final Exam	Final exam					

Workload Calculation						
Activity	Quantity	Preparation		Duration	Total Workload	
Lecture - Theory	15		0	2	30	
Midterm Examination	1		5	0	5	
Final Examination	1	,	10	0	10	
	45					
	2					
*25 hour workload is accepted as 1 ECTS						

Learning Outcomes

1 Describe the structures of amino acids and proteins



2	Describe the properties and structures of carbohydrates
3	Describe structures and properties of lipids
4	They will be able to describe the structures and properties of enzymes, vitamins and minerals.
5	Learning some basic components of human biochemistry

Prog	ramme Outcomes (Organic Agriculture)						
1	To have university life, to use computer technology and to have skills for raising of scientific data						
2	To produce according to organic agriculture rules						
3	To know and apply starter to organic agriculture, and to get product certification						
4	To know genetic for organic vegetable and animal species						
5	To know and apply organic production principle and regulations and protection of environment						
6	Understand and apply production techniques for organic vegetable and animal						
7	To understand control methods for diseases and pests in organic agriculture						
8	Having knowledge of quality control, preserving and marketing of organic products						
9	To having knowledge equipments and methods for new agricultural technologies						
10	To have knowledge of proffessional ethics and responsibility						
11	Ability to work in team and individual						
12	To communicate orally and in writing						
13	To have adopt life-long learning importance and to have follow professional developments						

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4 (L5
P4	3	3	3	3	3
P8	3	3	3	3	3

