AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Feeding Biochemistry								
Course Code	VBY624		Couse Level		Third Cycle (Doctorate Degree)				
ECTS Credit	8	Workload	200 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	Foodstuffs from outside the body into large polymers live in the mouth, stomach, small intestine and large intestine digestion, absorption, storage and nutritional values to be used again; hunger and toughness liver, brain, muscle, and adipose tissue biochemical changes.								
Course Content	Foodstuffs from outside the body into large polymers live in the mouth, stomach, small intestine and large intestine digestion, absorption, storage and nutritional values to be used again; hunger and toughness liver, brain, muscle, and adipose tissue biochemical changes								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Final Examination	1	100

Recommended or Required Reading	
1	Lippincott’s Illustrated Reviews Biyokimya Seri Editörleri Richard A HARVEY, Pamela C. CHAMPE Biyokimya Çeviri Editörü Doç.Dr. Engin ULUKAYA, Nobel Tıp Kitabevleri 2007
2	Lehninger Biyokimyanın İlkeleri. David L. Nelson Michael M. COX. Çeviri Editörü Prof.Dr. Nedret KILIÇ, Palme Yayıncılık
3	Harper Biyokimya Robert K. Murray, Daryl K. Granner, Peter A. Mayes, Victor W. Rodwell. Çeviri Editörleri: Nurten DİKMEN,

Week	Weekly Detailed Course Contents	
1	Theoretical	Nutrient requirements and energy requirements
2	Theoretical	Makronütrientler and minerals
3	Theoretical	Dietary recommendations
4	Theoretical	Nutrition and chronic diseases
5	Theoretical	Protein-kalori malnutrisyonu
6	Theoretical	Metabolic effects of insulin and glucagon and hypoglycemia
7	Theoretical	Postprandial metabolism
8	Intermediate Exam	Midterm exam
9	Theoretical	Overview of hunger
10	Theoretical	Starvation, liver and enzymatic changes
11	Theoretical	Fasting fat and muscle tissue
12	Theoretical	Fasting, the brain
13	Theoretical	Diabetes mellitus
14	Theoretical	Metabolic response to stress
15	Theoretical	Discussion
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	2	3	75
Term Project	2	13	0	26
Reading	5	3	0	15
Quiz	4	10	0.5	42
Midterm Examination	1	15	1	16

Final Examination	1	25	1	26
			Total Workload (Hours)	200
			[Total Workload (Hours) / 25*] = **ECTS**	8
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	to learn about the changes in the tissues with nutrition
2	Find out the changes in fasting and toughness
3	To learn metabolic changes in diabetes
4	To learn the relationship between nutrition and hormone
5	To learn about basal metabolism

Programme Outcomes *(Biochemistry (Veterinary Medicine) Doctorate)*	
1	Has a deep and broad knowledge about the field and the interdisciplinary area related with the field through the achievements gained in undergraduate and professional levels.
2	Has the knowledge to create original ideas, analyze them and develop definition/product/diagnosis methods by using the knowledge gained in undergraduate and/or professional experience, when needed.
3	Is knowledgeable about theories and practices in methodological and scientific research methods to run an independent research.
4	Excels in the laboratory, clinical and similar fields by using the theoretical and practical information gained in former education, and has the ability to create solutions in related fields.
5	Designs and develops scientific methodology for the advanced level/newly defined/emerged problems about the field.
6	Excels in the known scientific methods in the field for the advanced level/ newly defined/emerged problems.
7	Designs unique researches and implements independently.
8	Analyzes, synthesizes and evaluates the new ideas in related fields by using critical thinking.
9	Plans, creates teams and carries out the interdisciplinary research projects in order to create solutions to the known/newly defined problems.
10	Joins to congresses, panels, symposiums, workshops, seminars, article discussions and problem solving sessions in different disciplines, and exchanges information with the other professionals to contribute to the solutions.
11	Broadens the borders of scientific information by publishing scientific articles in national and/or international peer-reviewed journals.
12	Creates new ideas and methods to contribute to the technological, social and cultural progress, or to help the development of information society by using the theoretical, practical, independent research, abilities responsibly.
13	Designs and implements social projects with the awareness of creating an information society.
14	Compiles and interprets any type of data (field observation, scientific knowledge etc.) in accordance with the aims.
15	Develops and uses strategies about related topics with the field.
16	Implements and defends institutional and practical information and abilities in accordance with the needs of the country and the world, and changes when necessary.
17	Follows up and uses all the updates about the field (scientific information, legislations etc.), and has the qualification to change them.
18	Adopts lifelong learning as a principle and acknowledges that the information gained through research is the most valuable gain.

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	5	5	5	5
P3	5	5	5	5	5
P8	5	5	5	5	5
P11	5	5	5	5	5
P12	5				
P13		5	5	5	5