



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Nutritional Therapy in Eating and Metabolism Disease							
Course Code		BDB316		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of the course is to provide the students with an understanding of eating and metabolic diseases and to teach them the basic principles of nutritional therapy.							
Course Content		Eating disorders, metabolic diseases, nutritional therapy in eating disorders, nutritional therapy in metabolic disorders.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Res. Assist. Burcu DENİZ GÜNEŞ							

Prerequisites & Co-requisites

ECTS Requisite	90
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Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Köksal G, Gökmen H, Çocuk Hastalıklarında Beslenme Tedavisi, Hatipoğlu Yayınevi, 2000.
2	Acosta PB, Yannicelli S. The Ross Metabolic Formula System Nutrition Support Protocols, 3rd Ed, Ohio, 1997.
3	Journals of Nutrition and Dietetics, Journals of Pediatrics (JIMD, Pediatrics, JADA, Am J Clin. Nutr, etc.)

Week	Weekly Detailed Course Contents	
1	Theoretical	Classification of IMD
2	Theoretical	Screening methods in IMD
3	Theoretical	Medical therapy in phenylketonuria
4	Theoretical	New approaches in phenylketonuria treatment
5	Theoretical	Medical therapy in maple syrup urine disease
6	Theoretical	Medical therapy in organic acidemia -1
7	Theoretical	Medical therapy in organic acidemia -2
8	Intermediate Exam	Midterm Exam
9	Theoretical	Medical therapy in galactosemia and inherited fructosemia
10	Theoretical	Medical therapy in glycogen storage disease
11	Theoretical	Medical therapy in hyperlipoproteinemia
12	Theoretical	anorexia nervosa and nutritional therapy
13	Theoretical	Orthorexia nervosa and nutritional therapy
14	Theoretical	Bulimia nervosa and nutritional therapy
15	Final Exam	Final Exam



Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	4	2	78
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to learn the clinical and biochemical findings, screening strategies in inborn errors of metabolism
2	To be able to learn the principle of nutrition therapy in IMD
3	To be able to become skillful at preparing diet therapy of IMD patients
4	Will be able to apply nutritional therapy in eating behavior disorders.
5	Define other eating disorders (orthorexia, binge eating, etc.) and plan nutritional treatment.

Programme Outcomes (Nutrition and Dietetics)

1	Assess, apply and evaluate the accuracy, reliability and validity of basic knowledge and evidence based current scientific developments on nutrition and dietetics.
2	Assess scientifically the energy and nutrients need of individuals and develop nutrition plans and programs for the clients according to the principles of adequate and balanced nutrition and assessment of energy and nutrient requirements
3	Develop food and nutrition plans and policies for the prevention and promotion of healthy lifestyle applying the methods of nutritional assessment for the population.
4	Assess the nutritional status of the patients, evaluate the clinical symptoms, plan and apply individualized medical nutrition therapy for the patients.
5	Evaluate the factors affecting the quality of food consumed by the individuals and populations from production to consumption and implement the legal standards and legislations on food safety and food security.
6	Consider, interpret and apply the basic scientific knowledge on nutrition and dietetics especially have skills on critical thinking, problem solving and decision making and use effectively the appropriate current technologies and computer, demonstrate skills in preparing research manuscripts, project proposals, collecting and verifying data and writing report.
7	Assess, evaluate and interpret the nutritional status of the individuals and population groups using current knowledge, develop preventive measures, apply medical nutrition therapy, demonstrate active participation, teamwork and contributions with national and international stakeholders in health and social areas, in terms of ethical principles.
8	Plan menus in the institutional food service systems depending on the energy and nutrient requirements of target groups in the scope of nutrition and dietetic principles, take care of food safety in all settings from purchase of food to service, apply appropriate service using technological developments.
9	Develop and use effective strategies for the education, counseling and encouragement of individuals and population groups to facilitate behavior change and choose healthy and safety foods, prepare and update the related educational materials.
10	Apply laboratory work on product development, food analysis and related factors effecting food quality and interpret the results and evaluate them according to the legal arrangements.
11	Plan, manage, evaluate, monitor and report researches and programs to educate and increase and improve the knowledge and awareness of individuals and population groups on healthy nutrition during all lifecycle period, and lead such activities, support and take role in the preparation and implementation of national and international food and nutrition plans and policies.
12	Work and perform duties in the scope of occupational responsibilities and ethical principles, understand the importance of lifelong learning, follow the latest developments (innovations) in science, technology and health, demonstrate professional attributes for the enhancement of nutrition and dietetics profession.
13	Use, apply, discuss and share scientific and evidence based knowledge in nutrition and dietetics practice with team and team members, develop and demonstrate effective skills using oral, print, visual methods in communicating and expressing thoughts and ideas, communicate with all stakeholders within ethical principles. Develop and demonstrate effective communications skills using oral, print, visual, electronic and mass media methods
14	Plan, apply, monitor and evaluate individualized medical nutrition therapy within interdisciplinary approaches, considering the sociocultural, economical status of patients in various age groups and also contribute to clinical researches.

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

	L1	L2	L3
P1	2	3	2
P2	2	2	2
P3	3	2	3
P4	2	2	3
P5	3	3	2
P6	4	3	4



P7	2	4	2
P8	3	2	3
P9	2	2	2
P10	2	3	1
P11	2	2	2
P12	3	4	3
P13	4	2	4
P14	2	3	2

