

COURSE CONTENTS

NUT501 Approach to Clinical Nutrition Problems I (3+0+0) 3 ECTS: 6

Within the scope of this course, it is aimed to learn what the nutritional problems encountered in the clinic in the treatment of adult patients can be, what they may cause, suggestions for solutions that can be brought to them, and what can be done about the nutrition of the patient in different situations that may occur according to the hospital conditions. Learning new information and developing new strategies in the field of dietetics are also among the objectives of this course.

ENS501 Scientific Research Methods and Science Ethics (3+0+0) 3 ECTS: 6

Within the scope of this course, it is aimed to gain analytical thinking ability, data collection, evaluation, ability to write and present reports, the ability to choose the appropriate statistical method for research, the ability to interpret scientific articles correctly and the principles of scientific work ethics.

ENS502 Applied Statistics (3+0+0) 2 ECTS: 6

The aim of this course is to enable students to have knowledge about the Applications of statistics in the field of neuroscience, which is a multidisciplinary field. Within the scope of this course, statistical analysis methods will be explained by using SPSS data analysis program.

NUT504 Approach to Clinical Nutrition Problems II (3+0+0) 3 ECTS: 6

Within the scope of this course, it is aimed to learn what the nutritional problems encountered in the clinic in pediatric diseases can be, what they may cause, suggestions for solutions that can be brought to them, and what can be done about the nutrition of the patient in different situations that may occur according to the hospital conditions. Learning new information and developing new strategies in the field of dietetics are also among the objectives of this course.

NUT505 Nutrigenetics (3+0+0) 3 ECTS: 6

The aim of this course is to increase knowledge and skills on gene-nutrient relationship, gene-nutrition-disease relationship and genetic nutrition, and to follow the latest scientific developments and to associate biology, molecular biology, biochemistry and genetics with nutrition science.

NUT507 Nutritional Neurobiology and Eating Disorders (3+0+0) 3 ECTS: 6

In this course, neurobiological processes affecting nutrition, hunger, satiety and appetite mechanisms that affect food intake, how the relationship between these mechanisms and behavior are provided and all the biochemical processes that are effective in this process, as well as new information about nutrition therapy in eating behavior disorders, are learned. approaches are developed.

NUT509 Advanced Nutritional Biochemistry**(3+0+0) 3 ECTS: 6**

Within the scope of this course, it is aimed to gain knowledge through studies on the metabolism and functions of macro and micro nutrients, the structure and properties of some biomolecules, biochemical energy conversions, biosynthesis of vitamins and cofactors, operation in laboratory devices, determination of abilities and limits.

NUT511 Physiological and Metabolic Changes in Nutritional Diseases**(3+0+0) 3 ECTS: 6**

In this course, anatomical, physiological, biochemical and metabolic changes in nutrition-related diseases are learned. The effects, importance and applications of nutrition in the prevention of acute and chronic diseases can be explained. Evaluation of nutritional status, nutritional pharmacology, starvation, infection, trauma, cancer, diabetes mellitus and renal, cardiovascular, pulmonary, skeletal, neurological, liver and gastrointestinal system diseases are included.

NUT513 Exercise Physiology and Nutrition**(3+0+0) 3 ECTS: 6**

This course includes the basics of exercise physiology and the evaluation of the difference of physiological systems according to the training types. The interaction of exercise, nutrition and health is learned. According to age groups, the energy, macro and micro nutrient requirements of the athletes and the nutritional principles of these individuals, nutritional principles before, during and after the training, and ergogenic aids are taught.

NUT515 Food Service Systems Management**(3+0+0) 3 ECTS: 6**

It is aimed to examine the effects of a wide range of preparation and cooking methods on food and nutrients, to evaluate the preparation and cooking methods specific to each food in order to prevent food and nutritional element losses and to reduce the formation of toxic compounds of food origin.

NUT506 Nutrition in Hereditary Metabolic Diseases**(3+0+0) 3 ECTS: 6**

Classification of hereditary metabolic diseases, diagnostic methods, incidence, complications, interpretation of clinical and laboratory findings, medical treatment methods, nutritional treatment methods of hereditary metabolic diseases and different applications and approaches in nutritional treatment methods are based on.

NUT508 Parenteral and Enteral Nutrition**(3+0+0) 3 ECTS: 6**

Within the scope of this course, it is aimed to determine the nutritional status in pediatric and adult diseases, to teach enteral and parenteral nutrition methods, requirements, products and applications in different diseases, to transfer researches on the subject, to discuss and interpret clinical applications related to nutritional therapy of diseases.

NUT510 Nutrition and Mental Health**(3+0+0) 3 ECTS: 6**

The scope of this course is the effects of diet on brain development and cognitive functions; relationship between nutrition and mood; The role and importance of nutrition in the etiology and treatment of neurodevelopmental, neuropsychiatric and neurodegenerative diseases are examined. It covers the effects of

nutrition on emotions and behaviors as well as examining the effects of nutrition on mental health disorders.

NUT512 Functional Foods and Nutritional Supplements (3+0+0) 3 ECTS: 6

The content of this course covers the definition, classification, functions and relationship with diseases of functional foods and nutritional supplements.

NUT514 Nutritional Problems and Policies in Society (3+0+0) 3 ECTS: 6

In this course, the determination of nutritional problems in our country and in the world, the evaluation and interpretation of plans and policies to reduce these problems in society are discussed.

NUT540 Seminar (0+0+0) 0 ECTS:6

The seminar course aims to examine and present the results of new research in the field of Nutrition and Dietetics.

NUT551 Master Thesis (0+0+0) 0 ECTS:30

This course consists of literature review and research work in order to prepare the student for the master's thesis. The student carries out this process with the support of the academic advisor.

NUT552 Master Thesis (0+0+0) 0 ECTS:30

Within the scope of this course, students conduct a thesis in the field of Nutrition and Dietetics under the supervision of an academic advisor.

NUT530 Project Work (0+0+0) 0 ECTS:30

The master's project includes the student's independent study after the completion of the theoretical and practical courses under the supervision of a faculty member. During the project work, the student works under the supervision of a consultant for literature review, data collection and evaluation, analysis and presenting the results in writing.