**Nutrician and Dietitics Course Content Doctoral Program**

**BDY 600 Special Issues in Nutrition and Dietetics**

PhD thesis under the supervision of a consultant in a selected area of ​​research planning, data collection, evaluation of data collected and

Doktora tezi olarak seçilen bir alanda danışman denetiminde araştırma planlama, verileri toplama, toplanan verileri değerlendirme ve research results reporting in accordance with the rules of thesis writing, presentation and defense.

**BDY 601 Seminar**

Along with faculty members selected food, nutrition and dietetics the latest research on current topics related to the evaluation of data, discussion of innovation, compilation and submission of information to be reported.

**BDY 603 Fats and Fatty Acids in Nutrition**

Fats and fatty acids, classification, characteristics, their places in nature, oils, food storage, processing, roasting, etc. occurs in stages, changes and their effects on health.

**BES 605 Nutritional and Health Effects of Processing Techniques**

From harvest to consumption of food processing methods, the method used in the temperature of the food and nutrients to the forms of implications, food production stages used in chemical products, food during processing additives used elements and their effects on health. In the manufacture of food of nanotechnology, nano nutritional properties, their effects on health.

**BDY 607 Clinical Nutrition I**

Obesity, Hypertension, Metabolic Syndrome, Cardiovascular Disease, Diabetes, degenerative diseases and nutritional therapy in this disease, nutrients in the prevention of these disease and their effects in the nutritional treatment.

**BDY 609 Maternal and Child Nutrition**

Nutrition in pregnancy and lactation period, characteristics of newborn and nutrition 0-1 years infant nutrition, 1-3 years child nutrition, 3-6 years chidren nutrition, school-age child nutrition, adolescent characteristics and adolescent nutrition .

**BDY 602 Nutrition and Immune System**

Immune system organs and functions, vitamins, minerals, etc. That affect immune system, fitonutriens and mechanisms of action.

**BDY 604 Nutrition in Metabolic Disorders**

Definitions of metabolic disorders that requires special diet therapy, the content of the diets used, special diet products which can be prepared at home, enteral and parenteral products

**BDY 606 Oxidative Stress and Antioxidant Vitamins and Minerals**

Description of oxidative stress, oxidant and antioxidant agents, their mechanisms of action, functions of the antioxidant vitamins and minerals.

**BDY 608 Effects of Nutrition on Behaviour and Cognitive Development**

Behavior disorders, socio-cultural and psychological aspects of behavior, behavior on the effects of nutrition, fasting and postprandial physiology, nutrients and behavior relationships, nutritional changes in behavior disorders treatment, nutritional role in cognitive development.

**BDY 610 Clinical Nutrition II**

Renal disease, dialysis, transplantation, and nutritional therapy, digestive system, liver, gallbladder and pancreas diseases and nutritional therapies, cancer prevention and cancer nutrition therapy, rheumatic diseases, infectious diseases and nutritional treatment with case investigation.