

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY



**KTO KARATAY**  
**ÜNİVERSİTESİ**

**KTO KARATAY UNIVERSITY VOCATIONAL SCHOOL OF HEALTHCARE SERVICES**

**ERASMUS+ Course Catalogue**

**for the academic year 2019/2020 Fall and Spring Semester**

KONYA, 2019-2020

**(ALPHABETICAL) LIST OF COURSES WITH CODES**

Anatomy I

Anatomy II

Atatürk Principles and Revolution History-I

Atatürk Principles and Revolution History-II

Basic Chemistry I

Basic Chemistry II

Biostatistics

Body Language

Children with Disadvantages

Civilisation Envision and Madrasah of Karatay

Community Health Internship

Computer Networks

Coping with Stress

Crisis Intervention

Critical Thinking Strategies

Effective communication and body language

Effective Presentation Techniques

Effective Speech and Diction

English I

## VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

English II

English III

English IV

Family Education

Field Seminar I

Field Seminar II

Food and Beverage Management

Food Chemistry

Food Control and Legislation

Food Microbiology and Food Safety

Food Preparation and Cooking Techniques

Food Service Systems Management

Functional Foods

General Biology

General Economy

General Microbiology

Graduation Project I

Graduation Project II

Health Sociology

Individualized Education Programmes

## VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

Internship I

Internship II

Intersectoral Cooperation

Introduction to Nutrition Education Counseling

Introduction to Food Services

Introduction to Computer I

Introduction to Computer II

Introduction to Food Services

Introduction to Visual Arts

Material Development for Parents

Medical Biology and Genetic

Methods of Article Critics

Mother and Child Nutrition

Musical Education

Nutrition and Diet Therapy in Adult Diseases I

Nutrition and Diet Therapy in Adult Diseases II

Nutrition Anthropology

Nutrition Biochemistry I

Nutrition Biochemistry II

Nutrition Ecology

## VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

Nutrition Education Counseling

Nutrition in Childhood Diseases

Nutrition in Special Groups

Nutritional Assessment of Community

Nutritional Support Systems

Physiology II

Physiology I

Phytotherapy

Prevention of Diseases on Nutrition

Principles of Nutrition

Professional English I

Professional English II

Professional English III

Professional English IV

Professional ethics and being a dietitian in private sector

Professional Orientation

Psychology

Report Writing and Presentation Skills

Research and development support

Research Methods in Health Sciences

**VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY**

Sports Nutrition

Turkish Language I

Turkish Language II

Work Ethics and Ahi

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Professional Orientation -BES101**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introduction of Department of nutrition and dietetics, Introduction The Department of dietetics, Introduction The Department of nutritional Sciences, Introduction The Department of community nutrition, Introduction of Department of bulk feeding systems, Professional ethics and deontology, Course schedule introduction, Teaching of regulations and student responsibilities, Applications related to the profession of dietetics, Introduction to professional standards and professional organizations, The history of the profession and promotion of international associations, The introduction of the basic sources and transportation routes related to their profession	
EFFECTS OF EDUCATION PROCESS: To know department and profession, to learn necessary regulations, to be able to recognize and use the resources to be accessed in relation to the occupational work, recognition of your profession and international associations	
LITERATURE (OPTIONAL): Beslenme, Baysal A., Hatiboğlu yayınevi, 13. Baskı, Ankara, 2010 Modern Nutrition In Health And Disease, 50th., Anniversary Edition, Shils M.E., Olson J.A., Shihe M., Ross A.C., Lippincott Williams and Wilkins, Philedelphia, 2005	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Anatomy I- BES141**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introduction to anatomy and general information, Anatomy Of Locomotor System, Anatomy Of Circulatory System, Anatomy Of The Respiratory System, Anatomy Of The Digestive System, Female urinary and genital system anatomy, Male urinary and system genital anatomy , Anatomy Of The Endocrine System, Anatomy of the sensory organs, Anatomy Of The Central Nervous System, Clinical anatomical terminology	
EFFECTS OF EDUCATION PROCESS: The ability to learn terminology about the course, the ability to distinguish human body and parts of organs, the ability to comprehend the position of organs and systems and the ability to learn main task of the organs.	
LITERATURE (OPTIONAL): Anatomi. Sarsılmaz M . Nobel Yayın Dağıtım, İstanbul, 2012 Anatomi, Elhan A., Arıncı K., Güneş Tıp Kitabevi, İstanbul, 2006 Gray's Anatomy, İlgı S., Yıldırım M., Güneş Tıp Kitabevi, İstanbul 2009.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework, Midterm, Final exam	
LECTURER (NAME, EMAIL CONTACT):	



VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Physiology I- BES111**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introduction To Physiology, The physical structure and function of the cell, Membrane Physiology, The Cardiovascular System, Digestive System, Respiratory System, Metabolism, Urinary System, Body fluid compartments and movement of substances, Nervous System, Sensory System, Endocrine System, Reproductive System	
EFFECTS OF EDUCATION PROCESS: To have basic knowledge about cell physiology To be able to have basic knowledge about blood, muscle, circulation and medical physiology and to relate these issues with other organs and systems of the body.	
LITERATURE (OPTIONAL): Tıbbi Fizyoloji, Guyton&Hall. Nobel Kitabevi,2010. Yaşamda ve Hekimlikte Fizyoloji, Noyan A. Meteksan A.Ş.,2008.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework	
LECTURER (NAME, EMAIL CONTACT):	

**Basic Chemistry I-BES161**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: The importance of Chemistry, materials and Chemistry, The basic laws of Chemistry, atomic and molecular weight, mole, Avogadro's number, chemical calculations, Symbols, formulas and equations, Solids; types of solids and their properties, Solids; crystal structures of solids and determination, the use of X-rays, Chemical Thermodynamics, Reaction rates and equilibrium, Solutions; solution, resolution, the factors that influences resolution, Concentration calculations (molarity, normality, %, molality, ppm), In aqueous solutions, equilibrium, pH calculations, Electrochemistry and corrosion, Atomic structure and the periodic table, Chemical bonding</p>	
<p>EFFECTS OF EDUCATION PROCESS: Understanding the basic principles of chemistry, to acquire information about the formation of chemical reactions, to be able to balance reactions, to be able to investigate, develop and apply the methods required by daily life by performing simple experiments on the subject, observing the applicability of both theory and experiment</p>	
<p>LITERATURE (OPTIONAL): Genel Kimya, Atkins P., Johns L., Palme Yayıncılık, Ankara, 2013                      Genel Kimya, Hazer B., Türkmen Kitabevi, İstanbul, 2012                      Temel Kimya Atkins P., Johns L, Bilim Yayıncılık, 1998                      Gülten Ş., Genel Kimya Laboratuvar Kitabı, Beta Basım Yayın, 2006                      Chemistry: An Introduction to General, Organic, and Biological Chemistry (11th Edition). by Karen C. Timberlake</p>	
TEACHING METHODS: Lab./Exam	
ASSESSMENT METHODS: Lab./Exam, Written Exam, Homework	
LECTURER (NAME, EMAIL CONTACT):	

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**English I -BES131**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introductory phrases Countries and Nationalities Days, months, seasons, special days, Free time activities, Family members, sports, Vegetables and fruits, Shopping, Rooms in a house, Leisure activities and hobbies, Parts of the body and health problems, Professions and activities inventions, Travel and tourism, Health, food and beverages.	
EFFECTS OF EDUCATION PROCESS: The ability to improve words and notions that needed for teaching and reading academical researching and learning.	
LITERATURE (OPTIONAL): Number one A Course book in English Joan Saslow& Allen Ascher Top Notch 1 Students Book/Workbook, CD ler. Pearson Yayınevi.	
TEACHING METHODS:	
ASSESSMENT METHODS: Midterm, Homework	
LECTURER (NAME, EMAIL CONTACT):	

**Critical Thinking Strategies-BES151**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Thinking and Critical Thinking, Basic Concepts of Critical Thinking ,Critical Thinking Points ,Critical Thinking Processes and Features, Problem Solving Through Critical Thinking, The place and importance of Critical Thinking in Individual Life, The Place and Priority of Critical Thinking in Professional Life, Six Hat Concepts of Thinking in Critical Thinking ,Critical Reading ,Critical Listening, Critical Writing, Critical Thinking Exercises	
EFFECTS OF EDUCATION PROCESS: To have enough awareness about critical thinking, Be able to have critical and analytical thinking skills To understand critical thinking, to be able to practice critical thinking	
LITERATURE (OPTIONAL): Şahinel S. Eleştirel Düşünme. Pegem A Yayıncılık, Ankara, 2002. Paul, R ve Elder, L. 2006. Critical Thinking. Canada: Pearson,Prentice Hall, Fisher, R. 2005. Teaching Thinking (2nd edition). London: Continuum Books. Sternberg, R.J. ve Grigorenko, E. 2004. Successful intelligence in the classroom. Theory Into Practice.43 (4), 274-280	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework	
LECTURER (NAME, EMAIL CONTACT):	

**Health Sociology-SBES11**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Giving information about the introduction, content and processing of the course, Why Health Sociology: Medicine Disease and community linkage, What is sociology, Topics and areas of study, branches and sociological perspective, Factors leading to the exit of health sociology, Basic concepts related to sociology of sociology, History of the disease: Heritage of Medicine and Disease from Ancient Greece, Changing Perspective in the Middle Ages, Definition of two different diseases and sociological reasons, Disease-society linkage and basic social acceptance and Social framework of the illness process, The hidden functions of the disease, Socio-cultural and socio-economic factors affecting health and disease, Gender-violence-health link and role of medical personnel.</p>	
<p>EFFECTS OF EDUCATION PROCESS: To know basic concepts about health sociology, historical development, social determinants of health, the place of health and disease in the social system.</p>	
<p>LITERATURE (OPTIONAL): Cevizci, A. (2000) İlkçağ Felsefesi Tarihi, Asa yay.,  Nazlı, A. Hastalık ve Hasta Bedenin Sosyal İnşası:Meme Kanseri Örneği, Güven ktb. 2008, İzmir.  Türkiye'nin Sağlık Sistemi, Sezgin Kızılcelik, Saray Ktb., 1996, Sağlık Sosyolojisi.  Z. Cirhinlioğlu, Nobel yay.2001., Toplumsal Cinsiyet, Sağlık ve Kadın, HÜKSAM yay.2003.  Türkdoğan,O.Toplumsal Yapı ve Sağlık-Hastalık Sistemi, Kültür-Sanat yay.,2006  Kevin White.An Introduction to the Sociology of Health and Illness,2017.</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**General Biology-SBES121**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: The definition of biology, the areas, the precaution and the effect of my experience, Diversity and classification of living things, common features, The basic components of living things (Carbohydrates, Lipids, Proteins, Minerals, Vitamins), Structures and classification of enzymes and hormones, Metabolism, Nucleic acids, DNA and RNA structures and functions, Cell structure and organelles, cell divisions, Respiration, Photosynthesis, Protein Synthesis, Growth and growth, Herbal and Animal Tissues, Fundamentals of inheritance	
EFFECTS OF EDUCATION PROCESS: Applying the knowledge they obtain in the field of biology to other disciplines and ability to identify, model and solve biological problems in biology and related fields	
LITERATURE (OPTIONAL): Biology, Eldra Pearl Solomon, Linda R. Berg, Diana W. Martin, Fort Worth : Saunders College Pub., Philedelphia, c1999. Genel Biyoloji, William T. Keeton, James L. Gould, Carol Grant Gould ; çev. ed. Ali Demirsoy, İsmail Türkan, Ertunç Gündüz, Palme yayıncılık, Ankara, 2003-2004. Yaşamın Temel Kuralları Cilt: I, Kısım I: Genel Biyoloji / Genel Zooloji, Ali Demirsoy, Meteksan A.Ş., Ankara, 19. Baskı, 2005.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Psychology -SBES141**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: What is Psychology?, Psychology's Scientific Methods , Biological Foundations of Behavior , Sensation and Perception , States of Consciousness , Learning, Memory, Thinking, Intelligence, and Language, Human Development , Motivation and Emotion,Personality , Social Psychology, Psychological Disorders	
EFFECTS OF EDUCATION PROCESS: The ability to learn basic principles of Psychology, The ability to understand main theory approaches ,The ability to gain criticize thinking skills	
LITERATURE (OPTIONAL): Gelişim Psikolojisi. Onur B. İmge Kitabevi, İstanbul, 2011. Modern Psikoloji Tarihi, Shulz SE. Kaknüs Yayınları, Ankara, 2007 Davranış Bilimleri-Tıpsal Psikoloji, Koptagel G. Nobel Tıp Kitabevi, Ankara,2001 Ernest Hilgard, Richard C. Atkinson. Atkinson & Hilgard Psikolojiye Giriş,2009.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Introduction to Visual Arts -SBES151**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Definition of art, basic concepts and theories about art, different art areas for children, different art areas for children, the relationship between creativity and art, stages and features of children's pictures, stages and features of children's pictures.	
EFFECTS OF EDUCATION PROCESS: Will be able to apply the visual language of graphic design at a basic level and will be able to interpret examples in the world of visual communication design and have future use.	
LITERATURE (OPTIONAL): Points to note in art education, Art events appropriate to children's age and development characteristics Creativity and the effects of art on children, Creative materials appropriate to children's age and development characteristics, Preparing and discussing examples of art activities appropriate to children's age and development characteristics.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	



**Nutrition Anthropology- BES102**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS:Introduction to nutrition anthropology, theoretical approach to nutritional anthropology, tools used for nutrition in the historical development process, nutritional habits in different cultures I, nutritional habits in different cultures II, dietary habits in different cultures III, nutritional habits in different cultures IV, nutritional habits in different cultures V ,dietary habits in different cultures VI	
EFFECTS OF EDUCATION PROCESS: To learn the eating habits of the people who live in pre and post history periods, Detecting and researching the nutrition and eating habits of the World and taking advantage of all these, practicing practical nutrition and dietary habits can be sustained.	
LITERATURE (OPTIONAL): Tannahill, R.: Food in History, 1975, Goodman, Al, Dufour, D., Pelto, G: Nutritional Anthropology, 1999 Beslenme Antropolojisi.Kutluay Merdol,T.Nobel Yayınları.Ankara.2015.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Anatomy II- BES112**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS:Respiratory system-1 and 2, digestive system, excretory system, pelvic-perineal, reproductive system and endocrine system, central nervous system 1-5, sensory organs and systems.	
EFFECTS OF EDUCATION PROCESS: Applying terminology of medical language to the department, to be able to learn the morphological and internal structure of the body system in detail.	
LITERATURE (OPTIONAL): Terminologia Anatomica, International Anatomical Terminology, Federative Committee on Anatomical Terminology, Thieme Stuttgart - New York, 1998 William PL, Warwick R (editors). Grays Anatomy 36th edition. Anatomi.Sarsılmaz M.Nobel Yayın Dağıtım,İstanbul,2012. Anatomi,Elhan A,Arıncı K.Güneş Tıp Kitabevi,2006. Gray's Anatomi,İlgi S.,Yıldırım M.Güneş Tıp Kitabevi,2009.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Physiology II- BES122**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS:What are the concepts of anatomy and physiology? What are the basic structures of organisms, organelles, which make up the smallest building, What are organic and inorganic substances that are the building blocks of our bodies, What are the discomforts of these functions if they are missing or too many, Comparison of concepts of neuron, neuronal conduction and synapse in human nervous system. Manipulation of parts of the human brain, limbic system and learning relationship. Explaining the tasks of the structures that constitute the central and peripheral nervous system with everyday examples (reflex, reflex types, sympathetic, parasympathetic nerves) What are the structures, functions and disturbances of sensory organs? What are the general properties of epithelial tissue? Giving examples of the types of our bodies depending on their functionality.</p>	
<p>EFFECTS OF EDUCATION PROCESS: Applying terminology of medical language to the department, To be able to learn the morphological and internal structure of the body system in detail.</p>	
<p>LITERATURE (OPTIONAL): Tıbbi Fizyoloji, Guyton&amp;Hall. Nobel Kitabevi,2010. Yaşamda ve Hekimlikte Fizyoloji, Noyan A. Meteksan A.Ş,2008. Human Anatomy &amp;Physiology, Tenth Edition. Elaine N. Marieb, Kayja Hoehn</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

English II- BES142

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Reading; grammar: the passive; the passive with modals and gerunds, vocabulary; Listening, writing; Speaking, reading; Grammar: Conditionals. I wish / If only; Vocabulary. Listening; Speaking; Writing, Reading; Vocabulary. Grammar: Reported Speech. Listening; Speaking; Writing Modal verbs: Present tense; Modal verbs with perfect infinitives; Past Modals Reading; Vocabulary, Listening; Speaking; Writing.	
EFFECTS OF EDUCATION PROCESS: To be able to have a level of English language that can scan current work and resources in the field.	
LITERATURE (OPTIONAL): Full Steam Ahead,8th ed.,Yorgancı N.,Keskil G.Gündüz Eğitim ve Yayıncılık ,Ankara,2010. Top Notch 2 Student's Book/Workbook Redhouse Türkçe-İngilizce Sözlük Brown CH.,Bezmez S.Redhouse Yayınları,İstanbul,2007.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Basic Chemistry II- BES152**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introduction to organic chemistry and basic concepts, typical carbon compounds and nomenclature, alkanes, alkyl halides, stereochemistry, alcohols, ethers, amines, aldehydes and ketones, carboxylic acids and their derivatives, carbohydrates, lipids, Amino acids and proteins.	
EFFECTS OF EDUCATION PROCESS: To be able to learn basic principles of organic chemistry. Interpretation and analytical thinking about reaction mechanisms	
LITERATURE (OPTIONAL): Organik Kimya, Graham, T., Solomons, C.B Fryhle. Mart matbaacılık.7.Baskı,2002. Genel Kimya II, Petrucci, J., Harwood, W., Herring, T. Palme Yayıncılık, 2002. Organic Chemistry, Fifth Edition, Janice Gorzynski Smith, 2017.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework	
LECTURER (NAME, EMAIL CONTACT):	

**General Economy -BES162**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Business Concept, Critical Elements of Business and Weighted Concepts in Business, Tthe Chronological trend of Business Crisis and its Connection to Other Disciplines - Environmental Conditions Affecting Business, goals and Perspectives of the Business Motivating Business Establishment, rationalization Principles applicable to all actions of the business (Efficiency, Effectiveness, Efficiency, Productivity, Profitability, Globalization). Beginning Activities and Organization Forms in Business. Classification of Establishments and Forms of Business Cooperation and Directions.</p>	
<p>EFFECTS OF EDUCATION PROCESS: To be able to comprehend the transition process from personnel management to human resources management, be able to learn how to support staff training and development, to be able to learn business types and structures, to be able to learn concepts such as management organizations and total quality management</p>	
<p>LITERATURE (OPTIONAL): Bovee C.L., Thill J.V&amp; Mescon M.H.(2007).Excellence in Business. Pearson- Prentice Hall, New Jersey, 2007. ISBN: 0131870475 Kavram Yöntem ve Fonksiyonlarla İşletme. Dünder P., Nobel Yayınları, Ankara, 2013</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Material Development for Parents -SBES112**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Material development process. The precaution of the materials. Material design: Design process Formal features (line, shape, size, color) Welding materials (conformity to development level, health compliance criteria, durability, ergonomics) Material design: Design principles (integrity, balance, ratio-proportion, emphasis, proximity) Properties of effective materials.</p>	
<p>EFFECTS OF EDUCATION PROCESS: Students who are able to complete this course successfully; design and prepare instructional materials. It will be able to develop tools for classroom management and will be able to explain teaching environments and tools used.</p>	
<p>LITERATURE (OPTIONAL): Sarıbaş, M. (2007) Öğretim Teknolojileri ve Materyal Tasarımı, Pegem Akademi, Ankara, Eğitimde Araç Gereç Geliştirme, Editör Miray ÖZÖZDEN DANACI (2015) Eğiten Kitap Odabaşı, H.F. (2007) Information and Communication Technologies in Teacher, Nobel Yayın Dağıtım, Ankara İşman, A. (2011) Öğretim Teknolojileri ve Materyal Tasarımı, Pegem Akademi, Ankara, Çocuklarda Sanat ve Yaratıcılığın Gelişimi, Nobel Yayınları.</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Effective Presentation Techniques -SBES122**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introduction to diction training, audio equipment and respiration, Improvement of sound and breathing properties, audio flaws, pronunciation rules, features of Turkish language, development of punctuation marks and vocabulary, lecture and rational expression with examples, emotional expression and expression by mimic, the art of speaking in public	
EFFECTS OF EDUCATION PROCESS: To manage the preparation process needed to make an effective presentation, to be able to comply with ethical rules while presenting, to be able to gather necessary resources and studies before presentation, to participate in group work.	
LITERATURE (OPTIONAL): MEGEP (MESLEKÎ EĞİTİM VE ÖĞRETİM SİSTEMİNİN GÜÇLENDİRİLMESİ PROJESİ) MESLEKİ GELİŞİM-DİKSİYON I- 2006 Can Gürzap, Söz Söyleme ve Diksiyon Twelve Tips for Creating Effective Presentations, Mary Harrington, University of Mississippi	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	



**Effective Speech and Diction -SBES142**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: SPEAKING AND LISTENING: What is Speech? Why Speaking is Important? Speech, Development of Skills                  DICTION AND IMPORTANT: Rules to be followed for a successful dictation. CORRECT WRITING, RIGHT HIT: Types of Emphasis                  TRUE TONING: Applications to increase the sound value, diction studies. Speech Disorders and Remedies: Speech Disorders Related to Personality and Behavior, Speaking Fiction Related to Speaking, Speaking False Words from Unknown. NEEDS FOR A SUCCESSFUL SPEECH: Using Body Language THE NEEDS FOR A SUCCESSFUL SPEAK: Speaker's Body Language, Some Body Language Signals and Their Meanings.</p>	
EFFECTS OF EDUCATION PROCESS: Be able to have effective speaking skills in the community, to be able to keep up with the rules while talking, to be able to use body language effectively and correctly while talking, to be able to speak appropriately according to the rules of hitting	
<p>LITERATURE (OPTIONAL): Zeynep Korkmaz ve ark., Türk Dili ve Kompozisyon Bilgileri, 6. Baskı, Ankara: YargıYayınevi,2003.                  Akın Önen, Türkçeyi Türkçe Konuşmak, 2007, İnkılap Yay.Yusuf Çotuksöken, Türk Dili, c. III, Papatya yay., 2003.                  Storey, John (1997). Cultural Theory and Popular Culture. London: Longman Press</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

**General Microbiology- SBES152**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 1
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: General introduction to microbiology, classification of living things and basic concepts about microbiology, bacterial metabolism, species identification, microorganism-host interactions, normal microbial flora, infection transmission routes, sterilization, disinfection, general characteristics of fungi, yeast and molds, mechanisms of antibiotic effect, mechanisms of resistance to antibiotics, Introduction to parasitology, protozoons, nematodes, cestodes, trematodes, Staphylococci, streptococci and pneumococci.	
EFFECTS OF EDUCATION PROCESS: To be able to learn basic terminology and general terms of microbiology, to be able to distinguish the types, classification, grouping and features of microorganisms and species, the specific environment that microorganisms can reproduce and the ability to grasp the nutrients.	
LITERATURE (OPTIONAL): Tıbbi Mikrobiyoloji. Brooks GF, Butel JS, Morse SA. Jawetz, Melnick ve Adelberg. Nobel Tıp Kitabevleri. Ankara. 2010. Tıbbi Mikrobiyoloji Laboratuvar Eğitim Kitabı. Günalp A, Yılmaz YA, Pınar A. Hacettepe Üniversitesi Yayınları. Ankara. 2003. Temel ve Klinik Mikrobiyoloji. Ustaçelebi Ş. Güneş Kitabevi, Ankara. 1999	
TEACHING METHODS: Lab./Exam	
ASSESSMENT METHODS: Lab/written Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Nutrition Biochemistry I - BES 201**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 4
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Water and oil-soluble vitamins, vitamin-like substances, minerals, electrolytes and water balance.	
EFFECTS OF EDUCATION PROCESS: Understand the relation of biochemistry with various nutritional disorders and diseases. The function of enzymes and hormones, the usage areas of vitamins and minerals and biochemical structures can be learned.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Food Chemistry- BES 211**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 4
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introduction to food chemistry, water structure and properties, true solubilizers, colloid solubilizers, carbohydrates I-II, proteins I-II, lipids I-II, vitamins, minerals, enzymes, chemical quality changes in foods, quality changes during storage of nutrients.	
EFFECTS OF EDUCATION PROCESS: To be able to learn the physical and chemical structures of foods and their changes during the preservation of these structures. To be able to learn the physical and chemical structures of foods. To be able to comprehend functions and structures of vitamins, minerals, lipids, carbohydrates.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Principles of Nutrition- BES 221**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 4
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Classification of carbohydrates, proteins and lipids in healthy nutrition, chemical structure, properties, classification, functions, sources, daily intake recommendations, over-intake status, individual food consumption records and physical activity recording methods, vitamins and minerals , functions, resources, daily intake recommendations, inadequacy, overbought and toxicities.	
EFFECTS OF EDUCATION PROCESS: To be able to comprehend the basic micro and macronutrients' functions and mechanisms. Being able to have knowledge about basic components of diet and diet.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Medical Biology and Genetic -BES 231**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Mendelian genetics, morphological properties of chromosomes, genomics of chromosomes, genomes of chromosomes, nucleotides, nucleotides and nucleotides, nucleotides and nucleotides of nucleotides, nucleotides and nucleotides, chromosomal disorders, autosomal dominant and recessive inheritance, multifactorial inheritance, mitochondrial inheritance, sex dependent inheritance, population genetics, food allergies, cancer cell development.</p>	
<p>EFFECTS OF EDUCATION PROCESS: To be able to explain the replication, repair and regulation of DNA, define the molecules involved. To be able to learn DNA materials and functions and to question long-term effects of epigenetics and nutrition on DNA.</p>	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Introduction to Nutrition Education Counseling- BES 241**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Learning definitions and principles, knowledge, attitudes, behavioral meanings, educational methods and tools, educational methods and tools, actual learning, brain's role in learning, learning theories and factors affecting learning, educational planning and evaluation, change therapy, motivation in empathy and diet application, patient follow-up and counseling, presentations of projects related to the field.</p>	
<p>EFFECTS OF EDUCATION PROCESS: Counseling, managing human relationships and integrating knowledge learned with the previously learned general psychology course                      To be able to comprehend the structure of the individual differences and processes in the pattern of diet and diet specific to the individual.                      Acquiring an active and successful role within the organization and groups.</p>	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

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**English III -BES 251**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Basic characteristics of English grammar, vocabulary and writing skills, speaking practice, ability to express themselves, ability to understand what they read and listen to.	
EFFECTS OF EDUCATION PROCESS: Ability to have a level of English to follow the studies and processes in the field	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	



**Report Writing and Presentation Skills -BES 261**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Literature search, seminar preparation, resource presentation, report preparation and to make an effective presentation.	
EFFECTS OF EDUCATION PROCESS: Writing reports according to professional field rules.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Musical Education -SBES 211**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Music distribution, music compilation, music education, planning and implementation of music activities, planning and implementation of music activities in special needs children, rhythm studies and application issues will be processed.	
EFFECTS OF EDUCATION PROCESS: He can recognize the genres of music both in Turkey and in the world. Basically, you can read and read notes, solfege. It uses sound training and sound correctly.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Children with Disadvantages- SBES 221**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Groups of children at risk; street children, working children, divorced family children, single parent children, children in need of protection, offenders, characteristics and tendencies of unhappy children in the socioeconomic direction.	
EFFECTS OF EDUCATION PROCESS: Develops a perspective on the concept and causes of risk. Violence develops an understanding of risk situations such as trauma, hyperactivity, divorce, abuse. Understand how children at risk can cope with their problems and needs Understand the rights of children at risk, legal bases and responsibilities of adults. It designs and conducts research on how to improve the situation of children at risk.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Nutrition Biochemistry II- BES 202**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 4
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Definition and content of biochemistry, functions of water, acids and bases, concept and importance of PH, amino acids, structure and classification, structure and function of proteins, classification, structure and functions of carbohydrates, fatty acids, lipids, ketone bodies and cholesterol, fat-soluble vitamins, essential and related elements in the organism, classification of enzymes, functions and coenzymes, definition and classification of hormones, functions, relationship with nutrition, protein digestion, protein metabolism and related metabolic diseases, lipid digestion, metabolic diseases related to protein metabolism , digestion of lipids and lipoproteins, digestion of carbohydrates, metabolism, diabetes mellitus, metabolism inegration, obesity related diseases, oxidative stress and antioxidants.</p>	
<p>EFFECTS OF EDUCATION PROCESS: It will be able to evaluate basic topics of nutrition biochemistry based on current knowledge. The function of enzymes and hormones, the usage areas of vitamins and minerals and biochemical structures can be learned. Taking into account the structures of biomolecules, they will be able to analyze the roles of metabolic reactions and relate metabolism to human nutrition. Nutrition will be able to establish the relationship between the information obtained in biochemistry and human health.</p>	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Food Microbiology -BES212**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introduction to microbiology, history, classification of bacteria, properties of microorganisms leading to infectious diseases and food poisoning and methods of protection from them, food hygiene, food contaminations.	
EFFECTS OF EDUCATION PROCESS: Describes the functions of microorganisms found in plants Discuss the source of food contamination of microorganisms. It may decide conditions that encourage and inhibit the growth of microorganisms in food.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Homework	
LECTURER (NAME, EMAIL CONTACT):	

**Food Preparation and Cooking Techniques- BES222**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 2
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Carbohydrates and pulp contents of carbohydrates and pulp foods, starch, cereals, sugar and sweeteners and applications, oils, fat and fatty acid contents and applications of foods, meat and protein qualities and applications, egg and oil seeds and nutrient contents and applications, legumes and nutrient content and applications, milk and dairy products and nutrient content and applications, nutrient content and applications with vegetables and fruits, nutrient processing and storage methods and applications, beverages and applications</p>	
<p>EFFECTS OF EDUCATION PROCESS: To be able to get information about collective nutrition principles in business enterprises                  Be able to recognize the tools used in business enterprises.                  To be able to learn appropriate cooking techniques used in commercial enterprises.                  To be able to learn preparation methods used in commercial enterprises.</p>	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Introduction to Food Services- BES232**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Kitchen applications, Turkish World Cuisine, World Cuisine, food service.	
EFFECTS OF EDUCATION PROCESS: The importance of collective nutrition is gained, the characteristics of organizations that make mass feeding, new production systems Administrate the functions of management as a dietitian to mass feeding systems Learn new management approaches and apply the strategic management approach in the institution to determine the mission, vision, strategic goals and objectives of the institution Turkish kitchen, world kitchen and their service methods.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Nutrition Education and Counseling- BES 242**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Patient rights, counseling for adults, counseling for adults, counseling for institutions, counseling for athletes, counseling for adults, history and anamnesis, identification of nutritional status, evaluation of body composition and other tests, treatment and follow-up, evaluation and restructuring of the program , collective counseling.</p>	
<p>EFFECTS OF EDUCATION PROCESS: Teaching methods and tools necessary for nutrition education, learning the information that should be known in the way of changing behavior in individuals Prepare training modules, communication skills and training modules for groups to be trained</p>	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	



**Prevention of Diseases on Nutrition- BES252**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Weight management, obesity, weakness and eating disorders, diabetes mellitus, reactive hypoglycemia, cardiovascular diseases, hypertension, gastrointestinal system diseases, nutritional support, enteral nutrition, parenteral nutrition and practices of these subjects.	
EFFECTS OF EDUCATION PROCESS: Prepare appropriate medical nutrition program to prevent diseases Having necessary nutrition knowledge to prevent diseases.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

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**English IV- BES262**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: A2 Level English	
EFFECTS OF EDUCATION PROCESS: Communicate verbally and in written with the given language patterns	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Article Review -SBES222**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: To compare the different fields in the same discipline, to introduce the techniques of article writing, to introduce, to develop, to understand the result parts, to publish the article by publication, to compare the terminological studies about the department</p>	
<p>EFFECTS OF EDUCATION PROCESS: To be able to read national and international articles and terminological publications, To be able to interpret the articles and to relate them to other related articles.</p>	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Nutrition Ecology - SBES232**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Nutritional status and eating disorders of various religions and groups. The eating behaviors and attitudes of the individuals living in the historical and prehistoric period, environment-nutrition relation.	
EFFECTS OF EDUCATION PROCESS: Understanding the relationship between nutrition and religious factors To be able to investigate the factors that affect nutrition (economic, social, political, geographical). To be able to evaluate community and nutrition habits. To be knowledgeable about the influence on the eating habits of the people.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Crisis Intervention- SBES242**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Crisis assessment and crisis approach models, theoretical and ethical crisis, psychological trauma; post-traumatic stress disorder, disaster psychology, natural disasters and violence.	
EFFECTS OF EDUCATION PROCESS: Students learn crime intervention theories They acquire the basic skills necessary to intervene in crisis situations. Psychological trauma, disaster psychology, natural disasters and They become familiar with the issues of violence. They know how to approach a person who has a certain period of crisis.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Family Education- SBES252**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Concepts of family therapies, theories of therapy, techniques and methods of therapy, factors affecting family communication, child and adolescent counseling in family therapy.	
EFFECTS OF EDUCATION PROCESS: Having knowledge about psychotherapy throughout the process To understand how family therapies are made in different problems To be able to define similarities and differences about family therapies	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Individualized Training Programs- SBES262**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 2
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: General characteristics of children with special needs, individual plan development, literature review, individual education methods used in individuals with special needs, preparation of individual education plan, application of individual education plan	
EFFECTS OF EDUCATION PROCESS: Developing Individualized Education Programs, To be able to work as a team and as a team	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Exam, Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Nutrition and Diet Therapy in Adult Diseases I – BES301**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 4
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Introduction to the science of dietetics. Nutrition related diseases such as obesity, eating disorders, Diabetes Mellitus, reactive hypoglycemia, coronary heart diseases, hypertension, bone, joint diseases, cancer, infectious diseases.	
EFFECTS OF EDUCATION PROCESS: To be able to apply nutritional principles specific to cardiovascular, gastrointestinal, endocrine and related diseases and prepare appropriate diets. To follow the pioneering studies in the field as dominant in terminology and general English. To learn the pathophysiology and etiology of obesity, diabetes, cardiovascular diseases, cancer, infectious diseases, bone and joint diseases, bile and pancreas diseases. To be aware of symptoms and complications of diseases. To know medical nutrition treatment principles in diseases.	
LITERATURE (OPTIONAL): Baysal A.ve ark., Diyet El Kitabı, Yenilenmiş 9. Baskı, Hatiboğlu Yayınevi, Ankara, 2016. Mahan L.K., Escott-Stump S., Karuse's Food, Nutrition and Diet Therapy, 10th Edition, W. B. Saunders Company, USA, 2000.	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Lab./Exam, Midterm Exam, Final Exam	
LECTURER (NAME, EMAIL CONTACT):	



**Food Control and Legislation – BES311**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 2
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Basic concepts related to quality control and regulations on food, legal regulations related to food in the World and Turkey, the factors that affect food security; health effects and related legal regulations.	
EFFECTS OF EDUCATION PROCESS: To understand the purpose of food control, basic concepts in food legislation, factors causing food pollution and legal regulations. Be aware of the rules and requirements to be obeyed during the purchase, storage, preparation, cooking and serving of food. Determination of the nutritional status of the society, elimination of deficiencies related to the nutritional status, improvement and general health status of the society to be maintained. To know the process of scientific knowledge and data collection, the basic forms and properties of scientific information, and how to access appropriate data sources.	
LITERATURE (OPTIONAL): Anon.Kodeks Alimentarius Komisyonu, <a href="http://www.codexalimentarius.net">www.codexalimentarius.net</a> Mert TOPOYAN, Gıda Sektöründe Kritik Kontrol Noktaları ve Tehlike Analizleri (HACCP) ve ISO 9001:2000 Kalite Yönetim Sistemi İlişkisinin İncelenmesi (2003)	
TEACHING METHODS:	
ASSESSMENT METHODS: Seminar/Presentation, Midterm Exam, Final Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Mother and Child Nutrition – BES321**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 4
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Physiology of pregnancy, needs and nutrition of problems, physiology of lactation, needs of problems, breast milk and its characteristics, breast milk applications in breastfeeding, characteristics and necessities of 0-1 age group children, supplementary foods, baby foods and characteristics in 0-1 age group, mental development, pre-school and school-age child feeding, adolescent-age feeding.</p>	
<p>EFFECTS OF EDUCATION PROCESS: To be informed about topics such as the feeding of all age group children, pregnant and lactating women. To know the effect of nutritional profile on genetic and non-genetic diseases. To prepare a nutrition program according to the dietary preferences of the individuals and the amount of calories they need to take. To prepare nutrition education and plan for the basic characteristics of pregnant, lactating, adult female / male, adolescent, elderly, child, preschool child, school child, infant etc groups.</p>	
<p>LITERATURE (OPTIONAL): Köksal G, Gökmen H. Çocuk Hastalıklarında Beslenme Tedavisi. 1. Baskı, Hatiboğlu Yayınevi, Ankara, 2000. Baysal A., Arslan P. Doğumdan Yetişkinliğe Çocuk Yemekleri. 2. Baskı, Özgür Yayınları, İstanbul, 2001. Burnial W, Cale TJ et al. Child and Adolescent Obesity. First Edition, Cambridge University Pres, Cambridge, 2002.</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

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**Field Seminar I – BES331**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Investigation of researches related to nutrition, nutrition and dietetics, reviewing and presenting literature on a selected topic. Determination of seminar topic. Browse books, articles and other printed materials related to the subject.	
EFFECTS OF EDUCATION PROCESS: Learn to read and interpret published articles and works. Investigate and evaluate current topics in the field. Learn how to prepare a presentation about the subject.	
LITERATURE (OPTIONAL): All professional publications.	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Term Paper	
LECTURER (NAME, EMAIL CONTACT):	

**Professional English I – BES141**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Frequently used times in English, translate on sentence basis, translate on short text basis, translate on long text basis, translate in technical writing.	
EFFECTS OF EDUCATION PROCESS: The main aim of the course is to provide the students with a clear, respectful, concise, complete and accurate way of teaching English to the individual and the vocational field. To follow the pioneering work in the field as a judge of terminology and general English. To be able to determine the time used in English in sentence structure. To translate from English into Turkish. To translate long scientific texts from English into Turkish	
LITERATURE (OPTIONAL): English books, articles, magazines and current articles.	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Nutritional Assessment of Community – BES351**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 2
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Community nutrition, nutritional epidemiology, identification of nutritional status and methods used, gold standards, nutritional problems, food consumption researches, ecological factors, nutrition plans and policies. Definition and content of community nutrition. Nutritional epidemiology. Institutions and organizations conducting world-wide work on community nutrition and their duties. Methods of determination of nutritional status, gold standards used in nutrition anthropometry. Methods of determination of nutritional status, gold standards used in nutrition anthropometry. Biomarkers: Biochemical methods, Hematological methods. Health statistics, Age-specific mortality and morbidity rates.</p>	
<p>EFFECTS OF EDUCATION PROCESS: To be able to identify and evaluate nutritional problems of risk groups. To develop solutions for nutritional problems. Be able to develop suggestions for nutrition plans and policies.</p>	
<p>LITERATURE (OPTIONAL): Gibson RS. Principles of Nutritional Assessment. Oxford University Press, Newyork, 2nd Ed, 2005.                      Toplumun Beslenme Bilinçlendirilmesi. Şentürk Ş., Yüksel B., Özer H., Çakır B. 3. Baskı. Temel Sağlık Hizmetleri Genel Müdürlüğü, Sağlık Projesi Genel Koordinatörlüğü, Ankara, 2002.                      Community Nutrition: Planning Health Promotion And Disease Prevention. Nnakwe N. Jones &amp; Bartlett Learning; 2 edition. 2012.</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

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**Biostatistics – BES361**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 2
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: General concepts related to biostatistics, terminology and concepts, classification of statistical data, parts, grouping of data, frequency tables and graphic drawings, analysis and interpretation of related tests.	
EFFECTS OF EDUCATION PROCESS: The main aim of the course is to teach students basic concepts about statistics, to understand the place and usage of biostatist in working life, the place of biostatist in decision making process and the importance of scientific decision making. To be able to solve basic statistical problems on their own and to be able to interpret. To be able to understand the basic statistical techniques used in scientific research related to the field. To gain the skill of using and interpreting by analyzing.	
LITERATURE (OPTIONAL): Biyoistatistik. Kadir Sümbüloğlu, Vildan Sümbüloğlu. Özdemir Yayıncılık. 6 Baskı. 1995, Ankara. Sağlıkta araştırma ve çözümlene. Gazanfer Aksakoğlu. DEÜ Rektörlük Basımevi, 2006, İzmir.	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Nutrition in Special Groups – SBES301**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Special approaches to nutrition require teaching nutritional principles and diet planning. Defining properties of special groups. Nutrition in the elderly. Worker feeding. Nutrition in physically handicapped individuals. Nutrition in mentally retarded individuals.	
EFFECTS OF EDUCATION PROCESS: To prepare a nutrition program according to the dietary preferences of the individuals and the amount of calories they need to take. To prepare nutrition education and plan for the basic characteristics of pregnant, lactating, adult female / male, adolescent, elderly, child, preschool child, school child, infant etc groups. Learns nutritional principles and diet planning in the elderly. Learn nutritional principles and diet planning in workers. Learns nutrition principles and diet planning in disabled people.	
LITERATURE (OPTIONAL): Thompson, J. and Manore, M. Nutrition: An Applied Approach (2009) Baysal, A., Aksoy, M., Besler, T., Bozkurt, N., Keçecioğlu, S., Mercanlıgil, S., Merdol-Kutluay, T., Pekcan, G., Yıldız, E. (2011). Diyet El Kitabı (6.Baskı). Ankara: Hatiboğlu Yayınevi	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Food Service Management – SBES311**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Description of food services, importance, features of institutional food services, new production systems. Physical conditions in kitchen, kitchen and dining room equipment. Tools used in institutional food services and new technological tools. Food buying principles. Food storage principles. HACCP and ISO 22000. Service methods. Cost control.</p>	
<p>EFFECTS OF EDUCATION PROCESS: It is aimed to gain knowledge and skills about food service management systems in institutional food services. Be aware of the rules and requirements to be obeyed during the purchase, storage, preparation, cooking and serving of food. To know the applications of mass feeding systems by preparing nutrition programs for different needs of social and age groups outside the home. Learns special cooking methods for foods. Learns purchasing and storage techniques. Learn HACCP and ISO 22000 applications. Students learn how to plan a kitchen / restaurant in institutions that provide collective nutrition services.</p>	
<p>LITERATURE (OPTIONAL): Hemminger, Jane M. Food safety : A Guide to what you really need to know, 2000. Feinstein A H, Stefanelli J M. Purchasing, Selection and Procurement of the Hospitality Industry, Fifth Edition , John Wiley &amp; Sons Inc, London, 2002</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	



**Phytotherapy – SBES331**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: History of phytotherapy introduction and phytotherapy; plants used against gastrointestinal, cardiovascular, respiratory, urinary system diseases and rheumatism; plants used as sedatives; gynecology, ophthalmology, dermatology, cancer treatment and aromatic herbs.	
EFFECTS OF EDUCATION PROCESS: It is aimed to know the plants used in phytotherapy and aromatherapide, to learn about the parts of the plants used and methods of use. To know the process of scientific knowledge and data collection, the basic forms and properties of scientific information, and how to access appropriate data sources. To learn nutrient-drug interactions and their uses, biochemical structures of nutrients and nutritional compounds. To be able to comprehend effective components of herbal medicines and their interactions with foods. Be able to comprehend effective places of plant and plant material and other pharmaceutical chemicals that interact with it.	
LITERATURE (OPTIONAL): Kiremitçi D. Fitoterapi 1. Nobel Tıp Kitabevleri,2017.	
TEACHING METHODS:	
ASSESSMENT METHODS: Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Coping with Stress – SBES341**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Stress concept, definition, physiological effects. Effective concepts of stress: control sensing. Stress responses and stress physiology. Personality traits, social support. Emotion regulation. Stress management techniques. Effective and ineffective coping. Learned helplessness. Time management. Conflict management.	
EFFECTS OF EDUCATION PROCESS: It is aimed to distinguish the positive and negative aspects of the concept of stress, to create a guide to transforming stress into happiness, to use the techniques of struggle with stress, and to gain the ability to easily find ways to cope with stress in social services. To know the process of scientific knowledge and data collection, the basic forms and properties of scientific information, and how to access appropriate data sources. Explain and evaluate the role of communication in stress management. To understand the effects of stress on health and try to find solutions. To understand the importance of time management. To be able to apply the process of managing the stress that has learned in courses to his daily life and work life.	
LITERATURE (OPTIONAL): Barbara L. Fredrickson, Edward E. Smith, Dary J. Bem, Geoffrey R. Loftus, Susan Nolen – Hoeksema. Psikolojiye Giriş. Arkadaş Yayıncılık,2014.	
TEACHING METHODS:	
ASSESSMENT METHODS: Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Functional Foods – SBES351**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: The health effects of functional foods and their history, bioactive carbohydrates, bioactive peptides, bioactive lipids, bioactive polyphenols and carotenoids, introduction to specific functional foods, tea, coffee and cocoa, fruits and vegetables, milk and products, cereals, other functional foods and functional foods.</p>	
<p>EFFECTS OF EDUCATION PROCESS: It is aimed to provide students with basic knowledge and skills about functional foods and their effects on health which is a current in the field of nutrition and nutrition. To know the interactions between food and human beings at all stages of their life from the production of food to the use in the human body. To know the process of scientific knowledge and data collection, the basic forms and properties of scientific information, and how to access appropriate data sources.</p>	
LITERATURE (OPTIONAL): Boysan G. Fonksiyonel Besinler. Akademi yayınları, 2013	
TEACHING METHODS:	
ASSESSMENT METHODS: Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Nutrition and Diet Therapy in Adult Diseases II – BES302**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 4
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Nutrition in digestive system diseases. Nervous system diseases and nutrition. Burn and nutrition. Nutrition in kidney diseases. Nutrition in liver diseases. Nutrition in biliary diseases. Nutrition in pancreatic diseases.	
EFFECTS OF EDUCATION PROCESS: The main aim of the course is students; definition of digestive system diseases, kidney, liver, pancreas and burn diseases, etiology, complications and medical nutrition treatments. To be able to apply nutritional principles specific to cardiovascular, gastrointestinal, endocrine and related diseases and prepare appropriate diets. To follow the pioneering studies in the field as dominant in terminology and general English. To learn the pathophysiology and etiology of digestive system diseases, kidney, liver, nervous system diseases and burn diseases. To be aware of symptoms and complications of diseases. To know medical nutrition treatment principles in diseases.	
LITERATURE (OPTIONAL): Baysal A.ve ark., Diyet El Kitabı, Yenilenmiş 9. Baskı, Hatiboğlu Yayınevi, Ankara, 2016. Mahan L.K., Escott-Stump S., Karuse's Food, Nutrition and Diet Therapy, 10th Edition, W. B. Saunders Company, USA, 2000.	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Lab./Exam, Midterm Exam, Final Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Nutritional Support Systems – BES312**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 4
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Importance, classification and history of nutritional support. Definition of enteral nutrition, indications, contraindications                      Characteristics of enteral nutrition products and selection of products appropriate for the patient. Enteral feeding routes                      Definition of parenteral nutrition, indications, contraindications. Properties of parenteral nutritional products and selection of the appropriate product for the patient. Parenteral feeding routes. Treatment of disease-specific nutritional support systems. Disease-specific nutritional therapy and support. Nutritional support treatment planning-case solutions for the patient's needs and illness</p>	
<p>EFFECTS OF EDUCATION PROCESS: It is aimed to evaluate enteral - parenteral nutrition principles, to ensure the application of these principles in diseases and in certain specific situations, to summarize the products and compositions used and to evaluate the nutritional status of the patient.</p>	
<p>LITERATURE (OPTIONAL): Annalynn Skipper.Çeviri ed:Besler T,İnanç N. Enteral ve Parenteral Nütrisyon Diyetisyen El Kitabı.Nobel Tıp Kitapevi.                      Hickson M,Smith S. Advanced Nutrition and Dietetics in Nutrition Support (Advanced Nutrition and Dietetics (BDA).WILEY Blackwell,2018.</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Midterm Exam, Final Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Community Health Internship – BES322**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Internship	
EFFECTS OF EDUCATION PROCESS: The main aim of the course is to monitor the students' theoretical knowledge they have learned throughout the semester in the institutions / institutions determined, to reinforce their knowledge and to ensure that they have the knowledge and skills on the difficulties they encounter and their solutions.	
LITERATURE (OPTIONAL): T. C. Sağlık Bakanlığı Temel Sağlık Hizmetleri Genel Md./ H.Ü. Beslenme ve Diyetetik Bölümü. Türkiye'ye Özgü Beslenme Rehberi, Ankara, 2004. T.C. S.B Temel Sağlık Hizmetleri Genel Md. Gıda Güvenliği Daire Başkanlığı. Beslenme Bilgi Serisi. Ekim 2006.	
TEACHING METHODS:	
ASSESSMENT METHODS: Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Nutrition in Childhood Diseases – BES332**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 4	ECTS TYPE: 4
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
<p>CONTENTS: Determination of nutritional status in children. Malnutrition and nutritional therapy for obesity. Nutritional therapy in malabsorption. Nutritional properties in acute-chronic gastroenteritis and constipation. Congenital metabolic diseases and nutritional therapy. Nutritional characteristics in congenital heart diseases. Nutritional therapy for type 1 diabetes. Nutritional therapy in kidney diseases. Nutritional therapy in hematology-oncology and infectious diseases. Nutritional therapy in food allergies and neurological diseases.</p>	
<p>EFFECTS OF EDUCATION PROCESS: It is aimed to include general nutritional therapy in common metabolic or nutritional diseases and malnutrition which may be seen in childhood.</p>	
<p>LITERATURE (OPTIONAL): Praveen S. Goday, Nilesh M. Mehta. Pediatric Critical Care Nutrition. The McGraw-Hill Companies, Inc,2015.                  Gökmen h,Köksal G. Çocuk Hastalıklarında Beslenme Tedavisi.Hatipoğlu Yayınevi,2000.                  Koletzko B,Bhatia J, Bhutta Z.A, Cooper P ,Makrides M, Uauy R,Wang W. Pediatric Nutrition in Practice.Karger,2015.                  Sharma Madhu. Therapeutic Pediatric Nutrition. JP Medical Ltd, 2011</p>	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Lab./Exam, Midterm Exam, Final Exam	
LECTURER (NAME, EMAIL CONTACT):	

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Field Seminar II – BES342**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Investigation of researches related to nutrition, nutrition and dietetics, reviewing and presenting literature on a selected topic. Determination of seminar topic. Browse books, articles and other printed materials related to the subject.	
EFFECTS OF EDUCATION PROCESS: To teach and present seminar in the field. Learn to read and interpret published articles and works. Investigate and evaluate current topics in the field. Learn how to prepare a presentation about the subject.	
LITERATURE (OPTIONAL): All professional publications	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Term Paper	
LECTURER (NAME, EMAIL CONTACT):	



VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Professional English II – BES352**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: The main aim of the course is to provide the students with a clear, respectful, concise, complete and accurate way of teaching English to the individual and the vocational field. To follow the pioneering work in the field as a judge of terminology and general English. To be able to determine the time used in English in sentence structure. To translate from English into Turkish. To translate long scientific texts from English into Turkish.	
EFFECTS OF EDUCATION PROCESS: The main aim of the course is to provide the students with a clear, respectful, concise, complete and accurate way of teaching English to the individual and the vocational field.	
LITERATURE (OPTIONAL): English books, articles, magazines and current articles	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Effective Communication and Body Language – BES362**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 3	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: The course contains communication skills are body language, image, effective listening, self-confidence development, basic diction training, voice, breathing, crowding, emphasis-toning, speech types, improvisation speaking techniques.	
EFFECTS OF EDUCATION PROCESS: It is aimed to help students to understand the steps and processes of effective communication in their personal and business lives and to apply them to their lives. To learn communication processes. Ability to have knowledge about own communication structures and applications. Ability to apply communication skills to work and living areas.	
LITERATURE (OPTIONAL): Güngör, Nazife. İletişime Giriş. Ankara: Siyasal Kitabevi, 2015.	
TEACHING METHODS:	
ASSESSMENT METHODS: Homework, Seminar/Presentation, Midterm exam, Final exam	
LECTURER (NAME, EMAIL CONTACT):	

**Research Techniques in Health-SBES302**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Scientific method in academic research, introduction to research. Definition of research problem, research design, questionnaire design, sampling methods, data collection methods. To give a correct reference. Examples of research on domestic and foreign libraries.	
EFFECTS OF EDUCATION PROCESS: Define the basic principles and concepts of science and scientific research, Recognizes scientific research strategies, methods and techniques, comprehends the information needed for scientific research and the strategies of searching and finding its sources; know the types of information organization and information source, Determines the structure and size of the information required for scientific research, The information required for scientific research is accessed quickly, effectively and efficiently.	
LITERATURE (OPTIONAL): Baş, Türker, Akturan, Ulun (2008) Nitel araştırma yöntemleri Nvivo 7.0 ile Nitel Veri Analizi, Ankara: Seçkin Yayınevi.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework, Seminar/Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Sports Nutrition -SBES322**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Sports nutrition, importance of energy requirement, energy requirement and formation, carbohydrates, proteins and fats, vitamins and minerals, ergogenic aids, weight problems and eating behavior disorders in athletes, competition and nutrition principles.	
EFFECTS OF EDUCATION PROCESS: To prepare an nutrition plan for the integration of nutrition and physical activity and for the physiological characteristics of physically active individuals and for their energy needs.	
LITERATURE (OPTIONAL): Egzersiz ve Spor Yapanlar İçin Beslenme. Nobel Yayın Dağıtım, Ankara 2004	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework	
LECTURER (NAME, EMAIL CONTACT):	

**Food and Beverage Management-SBES332**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Pricing, service marketing, product development, cost control steps	
EFFECTS OF EDUCATION PROCESS: Be aware of the rules and requirements to be obeyed during the purchase, storage, preparation, cooking and serving of food, To know the applications of mass feeding systems by preparing nutrition programs for different needs of social and age groups outside the home, Learning and adopting to vocational ethics, nutrition and diet practice, to work with other health sectors.	
LITERATURE (OPTIONAL): Yılmaz Y, Yılmaz Ö, Yılmaz Ö. Yiyecek İçecek İşletmeciliği. Detay Yayıncılık,2013.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Sign Language-SBES342**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: General information about sign language, hand and finger movements, expressions about numbers, introducing oneself, asking questions, expressing positive-negative sentences, understanding the other side.	
EFFECTS OF EDUCATION PROCESS: Learning and adopting to vocational ethics, nutrition and diet practice, to work with other health sectors.	
LITERATURE (OPTIONAL): MEB Türk İşaret Dili Sözlüğü, 2015	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Professional Ethics and Being a Dietitian in Private Sector-SBES352**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Ethical and ethical values, ethical values in dietician profession, inter-sectoral communication and ethical values, patient and dietitian rights, empathy	
EFFECTS OF EDUCATION PROCESS: Learning and adopting to vocational ethics, nutrition and diet practice, to work with other health sectors.	
LITERATURE (OPTIONAL): Notes prepared by the instructor	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Seminar/Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Research and Development Support -SBES362**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 3
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Project definition, types, contents and subjects according to the projects, units and institutions in the relevant topic, attention to be written when writing a project, research and development opportunities related to the subject, project evaluation process.	
EFFECTS OF EDUCATION PROCESS: To know the process of scientific knowledge and data collection, the basic forms and properties of scientific information, and how to access appropriate data sources.	
LITERATURE (OPTIONAL): Lecturer's notes	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework, Seminar/Presentation	
LECTURER (NAME, EMAIL CONTACT):	



**Internship I -BES401**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 28	ECTS TYPE: 20
SEMESTER: Fall	CLASS LEVEL: 4
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Hospital and institution internship	
EFFECTS OF EDUCATION PROCESS: To know the effect of nutritional profile on genetic and non-genetic diseases, To know the properties of microorganisms, their relationships with nutrition and their interactions with nutrients, and to manage the precautions to be taken in this process. To know the interactions between food and human beings at all stages of their life from the production of food to the use in the human body. To prepare a nutrition program according to the dietary preferences of the individuals and the amount of calories they need to take. To prepare nutrition education and plan for the basic characteristics of pregnant, lactating, adult female / male, adolescent, elderly, child, preschool child, school child, infant etc groups. To be able to apply nutritional principles specific to cardiovascular, gastrointestinal, endocrine and related diseases and prepare appropriate diets. To be able to apply nutritional therapies applied to the functions of nutrients, their use in the body, possible diseases that may be seen in deficiency and excess.	
LITERATURE (OPTIONAL): T. C. Sağlık Bakanlığı Temel Sağlık Hizmetleri Genel Md./ H.Ü. Beslenme ve Diyetetik Bölümü. Türkiye'ye Özgü Beslenme Rehberi, Ankara, 2004. T.C. S.B Temel Sağlık Hizmetleri Genel Md. Gıda Güvenliği Daire Başkanlığı. Beslenme Bilgi Serisi. Ekim 2006.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework, Seminar/Presentation	
LECTURER (NAME, EMAIL CONTACT):	

VOCATIONAL SCHOOL OF HEALTHCARE SERVICES – KTO KARATAY UNIVERSITY

**Graduation Project I -BES411**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 5	ECTS TYPE: 7
SEMESTER: Fall	CLASS LEVEL: 4
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: A study which is developed by the consultant in consultation with the consultant for a certain period in relation to the selected subject	
EFFECTS OF EDUCATION PROCESS: To know the process of scientific knowledge and data collection, the basic forms and properties of scientific information, and how to access appropriate data sources. To follow the pioneering studies in the field	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Professional English III- BES421**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Fall	CLASS LEVEL: 4
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Frequently used times in English, translate on sentence basis, translate on short text basis, translate on long text basis, translate in technical writing.	
EFFECTS OF EDUCATION PROCESS: To follow the pioneering work in the field as a judge of terminology and general English.	
LITERATURE (OPTIONAL): English books, articles, magazines and current articles	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework, Seminar/Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Internship II - BES402**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 28	ECTS TYPE: 20
SEMESTER: Spring	CLASS LEVEL: 4
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Hospital and institution internship	
EFFECTS OF EDUCATION PROCESS: To know the effect of nutritional profile on genetic and non-genetic diseases. To know the properties of microorganisms, their relationships with nutrition and their interactions with nutrients, and to manage the precautions to be taken in this process. To know the interactions between food and human beings at all stages of their life from the production of food to the use in the human body. To prepare a nutrition program according to the dietary preferences of the individuals and the amount of calories they need to take. To prepare nutrition education and plan for the basic characteristics of pregnant, lactating, adult female / male, adolescent, elderly, child, preschool child, school child, infant etc groups. To be able to apply nutritional principles specific to cardiovascular, gastrointestinal, endocrine and related diseases and prepare appropriate diets. To be able to apply nutritional therapies applied to the functions of nutrients, their use in the body, possible diseases that may be seen in deficiency and excess.	
LITERATURE (OPTIONAL): T. C. Sağlık Bakanlığı Temel Sağlık Hizmetleri Genel Md./ H.Ü. Beslenme ve Diyetetik Bölümü. Türkiye'ye Özgü Beslenme Rehberi, Ankara, 2004. T.C. S.B Temel Sağlık Hizmetleri Genel Md. Gıda Güvenliği Daire Başkanlığı. Beslenme Bilgi Serisi. Ekim 2006.	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework, Seminar/Presentation	
LECTURER (NAME, EMAIL CONTACT):	

**Graduation Project II -BES412**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 5	ECTS TYPE: 7
SEMESTER: Spring	CLASS LEVEL: 4
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: A study which is developed by the consultant in consultation with the consultant for a certain period in relation to the selected subject	
EFFECTS OF EDUCATION PROCESS: To know the process of scientific knowledge and data collection, the basic forms and properties of scientific information, and how to access appropriate data sources, To follow the pioneering studies in the field.	
LITERATURE (OPTIONAL):	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam	
LECTURER (NAME, EMAIL CONTACT):	

**Professional English IV- BES422**

FACULTY: Health Science	CLASS TYPE:
NUMBER OF HOURS: 2	ECTS TYPE: 3
SEMESTER: Spring	CLASS LEVEL: 4
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Frequently used times in English, translate on sentence basis, translate on short text basis, translate on long text basis, translate in technical writing.	
EFFECTS OF EDUCATION PROCESS: To follow the pioneering work in the field as a judge of terminology and general English.	
LITERATURE (OPTIONAL): English books, articles, magazines and current articles	
TEACHING METHODS:	
ASSESSMENT METHODS: Written Exam, Homework, Seminar/Presentation	
LECTURER (NAME, EMAIL CONTACT):	