**COURSE CONTENTS OF NURSING DEPARTMENT**

**I.SEMESTER**

**Introduction to Nursing**

Presentation of the course, professional concepts and professionalism, human being, health and disease concepts, nursing concept.

**Introduction to Nutrition**

Nutrition and health, nutrients; carbohydrates, lipids, proteins, water and minerals, vitamins, other drinks, nucleic acids, energy metabolism, hormones and metabolism, food groups, food storage and nutrition, nutrition of pregnant and lactating women, nutrition of babies and children, nutrition of the elderly, nutrition of workers, athletes nutrition.

**Anatomy**

Introduction to anatomy, terminology, locomotor system, circulatory system, digestive system, urogenital system, respiratory system, nervous system, endocrine system and sensory organs.

**Biochemistry**

Introduction to biochemistry, taking biological test samples from the patient, water and pH, carbohydrates, amino acids and proteins, enzymes, enzyme kinetics, lipid biochemistry, biological membranes, transport mechanisms in membranes, nucleic acids, vitamin and minerals hormone biochemistry

**Physiology**

Cell and organelles, transport phenomena in the cell membrane, biological potentials, neuromuscular connection, skeletal muscle physiology, smooth muscle physiology, introduction to nervous system physiology, synapses and transmitters, sensory physiology, motor control, endocrine system physiology introduction, pituitary, hypothalamus and thyroid hormones, parathyroid hormones, adrenal gland and gonad hormones, menstrual cycle and sexual functions, pancreas, diabetes mellitus and carbohydrate metebolism, hormones, introduction to blood physiology, erythrocytes, leukocytes and immunity, platelets and hemostasis, heart and introduction to circulatory physiology, heart cycle, special conduction system of the heart, dynamics of blood circulation, blood pressure and hypertension, respiration introduction to physiology, respiratory membrane, gas diffusion events and transport of gases in the blood, respiratory mechanics and respiratory function tests, introduction to excretory physiology, nephrons and urine formation and GFR, renin-angiotensin system, clearance, acid-base balance and migration, introduction to digestive physiology, movements in the digestive system, chemical digestion and absorption, defecation, constipation, liver absorbtive and posttabsortive functions in the period, physiology of special sensory organs.

**Turkish Language I**

Language, expression, paragraph information, written expression forms, types of written expression, verbal expression, expression sentence disorders and their correction.

**II. SEMESTER**

**Nursing Principles**

Introduction to nursing, health care system, roles of the healthcare team and nurse, communication with the patient, healthy hospital environment, patient acceptance and discharge, nursing process, infection control, mobility requirement and body mechanics, personal hygiene and patient care, signs of life, drug applications, hot and cold applications, liquid electrolyte and acid base balance, pre-and postoperative patient preparation and care, respiratory system applications, digestive system applications, urinary system applications, excretory system applications, special applications, care of the patient in the thermal period.

**Microbiology-Parasitology**

Scope and classification, microbe, other tools and devices used in microbiology, structure and physiology of bacteria, bacterial genetics and antimicrobial agents, environments in which microorganisms are produced, introduction of dyes and staining systems, environmental microbiology, normal flora, sampling techniques, sterilization and disinfection, immunology introduction and antigen, immune system structure, immunoglobulins (antibodies), immune response, immunity against infections, vaccines and serums, hospital infections, microbiological diagnostic methods.

**Psychology**

Introduction to behavioral sciences, biological basis of behavior, motivation, frustration and conflict, perception, consciousness and attention, memory, affection and excitement, intelligence, learning, language and concepts and problem solving, personality and personality theories, health personnel and patient relationship, abnormal behaviors, defense mechanisms, lifelong development

**Interpersonal Relationships in Nursing**

Definitions and properties of nursing and nurses in terms of interpersonal relations, the dimensions of interpersonal relations, communication in interpersonal relations, methods and techniques in interpersonal relations, barriers in communication, communication in the face of patient behaviors that create difficulties in communication, communication in some special cases, communication with patients in different situations, nurse and team in hospital environment relationships among members.

**Turkish Language II**

Preparation of a circular, a formal letter, a letter of thought, summarizing and writing such articles, introducing a workplace, suggesting a thought or opinion, narrating and criticizing the theme of a post., Collecting information, types of verbal and written expression.

(open session, discussion, panel, symposium, forum), features and preparation, spelling, punctuation, spelling rules and their features in official writings, sentence and sentence types, structure, meaning, order of items according to predicate, sentence types

**III SEMESTER**

**Internal Diseases Nursing**

Introduction to internal medicine nursing course, fluid-electrolyte balance, acid-base balance, nursing care of pain and painful patient, old-age and elderly patient care, bed-dependent patient care, neoplastic diseases and nursing care, blood diseases and nursing care, respiratory system and nursing care, cardiovascular system, ischemic heart diseases and nursing care, heart failure and nursing care, peripheral vascular diseases and nursing care, shock and shock patient care, hypertension and nursing care, gastrointestinal system and nursing care, liver, pancreas and gallbladder diseases and nursing care, endocrine system diseases and nursing care, urinary system diseases and nursing care, neurological diseases and nursing care, leukomotor system diseases and nursing care, immune system, allergic diseases and nursing care.

**Pharmacology**

Drugs overview, autonomic nervous system drugs, central nervous system drugs, drugs for the cardiovascular system, drugs for the respiratory system, digestive system drugs, drugs for the endocrine system, antibiotics, antiseptics, antiparasitic drugs, cancer and its treatment, drug abuse and drug addiction.

**Pathology**

Definition of pathology, branches of pathology, materials coming to the pathology laboratory, cytology and tissue follow-up procedures, cell injury, death and cell adaptations, acute and chronic inflammation epidemiology and infectious diseases, hemodynamic disorders, thrombosis and shock, immune system disorders, genetic diseases, neoplasia, respiratory system diseases, liver diseases and gallbladder diseases, pancreatic diseases, female genital and breast diseases.

**Foreign language I (English)**

The use of be (present) -Meeting people-The use of have got / has got-Describing people-The use of can and have to-Teeling the time- The present simple- The use of would like ---- Talking about daily life-The use of there is / there are-The use of be in the simple past tense-Regular and irregular verbs and their uses in the past tense-Giving dates- Present continuous tense-Nonprogressive verbs-Talking about health-Be going To- Some phrasal verbs- Talking about experiences-The present perfect tense-Future-will-Past Continuous tense-Talking about people and places-Possibilities-Talking about activities

**V. SEMESTER**

**Surgical Diseases Nursing**

Introduction to surgical nursing, nursing process, asepsis-antisepsis, perioperative nursing Approaches to Oparative Nursing Approaches Postoperative Nursing Approaches healing and nursing approaches, dressings and bandages, wearing gloves and shirts application, surgical infections and nursing approaches, fluid-elctrolitis balance and nursing approaches, burns and nursing approaches, bleeding and nursing approaches, hypovolemic shock and nursing approaches, breast diseases and nursing care, esophageal diseases and nursing approaches, pain and nursing approaches, stomach diseases and nursing approaches, surgical diseases of the duodenum and small intestine, and nursing approaches, surgical diseases of the colon and nursing approaches. acute abdomen and appendix diseases and nursing approaches, hernia and nursing approaches, rectum diseases and nursing approaches, surgical diseases of the liver and nursing approaches, surgical diseases of the gallbladder and nursing approaches, respiratory system surgical diseases and nursing approaches, spleen, pancreas, diseases and nursing approaches, nervous system surgical diseases and nursing approaches, cardiovascular system surgical diseases and nursing approaches, muscular and skeletal system surgery diseases and nursing approaches, urinary system surgical diseases and nursing approaches, otolaryngology surgical diseases and nursing approaches, surgery of the eye diseases and nursing approaches, surgical diseases of endocrine system and nursing approaches, transplantation and nursing approaches

**Infectious Diseases Nursing**

General characteristics of infection agents and infection formation, from infections immunization in protection, hospital infections, diseases transmitted through the respiratory tract and nursing care, infectious diseases transmitted through digestive and nursing care, parasitic infections and nursing care, infection transmitted through the skin and mucous membranes diseases and nursing care, aids, viral hepatitis and nursing care, meningitis and nursing care.

**Teaching in Nursing**

Basic concepts of education, education as science, education as a social institution, social processes and education, philosophy and education, people and education, learning theories, education programs, organization of teaching activities, teaching strategy, methods and techniques, Turkish education system overview, nursing practices and education, health education, continuous training, in-service training, measurement and evaluation

**Health Sociology**

Science and society science, individual and society, social structure, urbanization, change, social behavior and culture, family as a social institution, physical health and sociology, mental health and sociology.

**Foreign language II (English)**

Simple past tense, countable and uncountable nouns, some / any / a few / a little, comparatives and superlatives, present continuous, possessive pronouns, going to future tense, adverbs and adjectives, present perfect tense.

**V. SEMESTER**

**Birth-Women Health and Diseases Nursing**

Introduction to obstetrics and gynecology nursing, anatomy of reproductive system, reproduction physiology of the system, the physiology of the mother in pregnancy, nutrition during pregnancy, prenatal care, risky pregnancies, assessment of fetal health, labor, nursing in labor, risky situations in labor, newborn physiology and care, new requiring special care born, postpartum period, compliance and evaluation to postpartum period, lactation birth risky situations in the late period, family planning, circuits of women's life, frequent women health problems, reproductive system cancers, diagnosis and treatment methods in gynecology.

**Statistics**

Science and scientific method, statistics, definition of variables, data in health sciences collection, classification of data, displaying with tables and graphics, indicative statistics, probability, probability rules, calculation of probabilities, frequency distributions and some important theoretical distributions, sampling and sampling methods, validity of clinical and laboratory tests, and reliability, testing assumptions, parametric significance tests, non-parametric hypothesis testing, regression and correlation analysis, survival analysis, clinical experiments planning and interpretation, introduction to multivariate analysis, sample question solutions.

**Epidemiology**

Introduction to epidemiology, indicators used in epidemiology and basic statistics approaches, data sources in epidemiology, epidemiological criteria (health criteria), planning of epidemiological research, survey method and features, infection diseases epidemiology, chronic diseases epidemiology, hospital infections epidemiology, epidemiology of outbreaks.

**Nursing and First Aid in Disasters**

Introduction to first aid course, history, purpose, importance of first aid, basic principles of first aid goals, qualities, first aid in bleeding, first aid in shock, first aid in coma, heart-lung revitalization and application, first aid in respiratory arrest, burns and first aid, environmental emergencies, cold-related emergencies first aid, heat-related emergencies and first aid, drowning and first aid, first aid in fracture-dislocation and sprains, head-spine and abdominal region first aid in trauma, first aid in poisoning, first aid in bite and stings, disaster nurse's role, earthquake and first aid, civil defense and nuclear wars.

**Computer Applications**

Introduction to computer, structure and general features of computer system, keyboard, cpu, memory, printers, disk and floppy properties, screen, terminal, modem specifications, computer rules of use.

**Ataturk's Principles and History of Turkish Revolution I**

Revolution and similar concepts. Ataturk's revolution. Pause-decline Reform movements in the Ottoman Empire and the state of the Ottoman Empire, Tripoli-Balkan Wars, World War I and Mondros Armistice Agreement, Mondros The implementation of the ceasefire agreement, occupations, Mustafa Kemal's departure for Samsun, and the organization of congresses, the National Pact and the opening of the Grand National Assembly of Turkey, national facades, Treaties of Mudanya and Lausanne.

**VI. SEMESTER**

**Child Health and Diseases Nursing**

Introduction to child health and diseases nursing, protection of child health, development and maintenance, defining child health status, in childhood nutrition, nutritional disorders in children and nursing care, in the care of children nursing process, normal newborn diagnosis, normal newborn system examination and nursing care, definition, features, assessment of risky newborn, frequent in newborn problems, diseases and nursing care, vaccination practices in children, children in need of protection in our society, congenital respiratory system in children anomalies, diseases and nursing care, congenital anomalies of heart diseases, diseases and nursing care, congestive anomalies of the gastrointestinal tract, diseases and nursing care, congenital anomalies of the genito-urinary system, kidney and urinary tract diseases and nursing care, endocrine and metabolic diseases and nursing care, common hematological diseases and nursing care in children, oncological in children diseases and nursing care, skin-related diseases and nursing care in children, congenital anomalies, diseases and nursing care of the central nervous system in children, congenital anomalies, diseases and nursing related to the musculoskeletal system in children care, growth and development disorders in children and nursing care.

**Research Methods**

Terminology and definitions, scientific method, research methods, epidemiology and epidemiological research, sampling in research, data collection in research, computerized research evaluation, cause and effect criteria in analytical epidemiology, relative risk, cross rate, criteria attributed to the factor, evaluation of research data.

**Nursing History and Deontology**

Definition and history of deontology, ethics, ethics, moral concept and nursing ethics, nursing ethics elections, nursing ethics, nursing in Turkey historical development, nursing philosophy, interdisciplinary team approach to health, health care roles and responsibilities of the nurse in the system, the law and concepts related to the law definition, patient rights and nursing rights, medical applications related to production function, gene technology in terms of medical ethics, organ transfers and its place in deontology, painless death and its place in deontology, its place in hybridization and deontology, medical trials its place in deontology, the place of drug habits in medical deontology, hemodialysis treatment and its place in deontology.

**Computer Applications**

Basic concepts of Windows in Computer Applications course, Word, document opening, saving, painting, address, merge, general definition of Excel is a data creating a base, creating a summary table, making and formatting graphics, creating a scenario and information on regulation issues are provided.

**Ataturk's Principles and History of Turkish Revolution II**

Political, social, legal, economic and educational spheres in Revolutions, Turkey Revolts against the Republic, the internal and external politics of the Atatürk period, Atatürk's death, Turkey and the world echoes, Ataturk's principles, world war, the transition to a multiparty system in 1960 and the 1982 constitutions

**VII. SEMESTER**

**Mental Health and Psychiatric Nursing**

Introduction to mental health and psychiatric nursing. Community mental health in the world and in our country services and the role of mental health nurse, Individuals with mental disorders and nursing approaches, mental health psychiatric nursing in various groups, in non-psychiatric settings psychosocial nursing practices, definition and importance of preventive mental health, in psychiatry legal aspects, patient rights and ethics.

**Management in Nursing**

Basic concepts and theories about management science, principles of effective management, effective leadership health care system and national health policy, health professions, healthcare team and role structures, primary and support services in health institutions, management of a care unit and organization, techniques to help management, personnel management, total health services legal and ethical regulations related to quality management, health education management, health / nursing.

**Diet**

General nutrition, what is nutrition, adequate and balanced nutrition, nutrients, factors that negatively affect health in nutrition, food thieves, nutrition in children, Nutrition in school age children, Adolescent nutrition, Nutrition in old age, Malnitrution and nutrition, Nutrition in metabolic diseases, Nutrition in hypertension Cardiovascular nutrition in diseases, nutrition in urology system diseases, digestive system (ulcer, nutrition in spastic colon, gastritis, bloating gas) diseases, before and after surgery nutrition in constipation and diarrhea, nutrition in patients with cancer, in AIDS nutrition

**Dialysis Nursing**

By determining the needs of the individual undergoing dialysis and his family, the quality of life planning, implementation and evaluation of appropriate maintenance for upgrading gain knowledge and skills.

**VIII. SEMESTER**

**Public Health Nursing**

Basic concepts about public health nursing, getting to know the society, medicine and the public history of health nursing, health management, organization of health services, basic health services, public health nursing, records and statistics kept in the health centers, omaha public health nursing care process, home visits, health education, environmental health, worker health, population and health, family health, maternal and child health, school health, infectious and social public health nursing in diseases, early diagnosis, community nutrition, chronic diseases, community mental health, old age, social services

**Intensive Care Nursing**

Basic concepts, general principles, tools and equipment related to intensive care, intensive care duties, roles and responsibilities of the nursing nurse in patients hospitalized in the intensive care unit complications that may develop and necessary precautions, coma and mental state change causes and unconscious patient care, care of shock patient in ICU, mechanical care of the patient in the ventilator

**Operating Room Nursing**

The location and physical condition of the operating room, ethical problems in operating room nursing, operating room environmental safety, inf. control, instrument maintenance used in the operating room, instrument disinfection, sterilization methods, premedication, postoperative care, operating room tools.