**Department of Nursing**

**Course Contents**

**ANATOMY I**

Introduction to anatomy, terminology, the human organism, musculoskeletal system, bones, joints, muscles and general information about the circulatory system, digestive system, respiratory system, urinary system.

**PHYSIOLOGY I**

Introduction to physiology, Homeostasis, and the structure of the cell, the cell potential, skeletal muscle physiology, smooth muscle physiology, blood physiology, physiology of the heart muscle, coronary and peripheral circulation, peripheral nervous system, the sympathetic nervous system, the parasympathetic nervous system.

**HISTORY OF TURKISH REVOLUTION**
The Aim of the Revolution and Related Topics / The Decline and Fall of Ottoman Empire, The First World War / Mondros and Sevres Agreements / Mustafa Kemal and the Organization of the National Struggle / The Last Ottoman Parliament and the Proclamation of Misak-ı Milli / The Establishment of Turkish Grand National Assembly

**FOREIGN LANGUAGES (ENGLıSH)**
During four years of undergraduate education, the nurses have the grasp of understanding the importance of English in the professional development, following basic professional English publications and appreciating the basic principles of translation.

**TURKISH LANGUAGE**
Orthographic Rules , Phonetics ,Semantics, Wording, Language.

**ANATOMY II**

Urogenital system, endocrine system, the nervous system (CNS gross anatomy, spinal cord, brain stem, the medulla oblongata, pons, mesencephalon, brain, cerebrum, diencephalon, cranial nerves, spinal nerves and their plexuses of the autonomic nervous system, the sympathetic system, the parasympathetic system, sensory organs and receptors in the skin), Smell bodies and roads, and paths Tad organ, organ of hearing and paths, reflex and reflex arc.

**PHYSIOLOGY II**

Functions of the kidney, respiratory system, endocrine system, liver and functions, metabolism, gastrointestinal tract, skin physiology, the structure of the eye and visual pathways, Hearing physiology, physiology of smell.

**INTRODUCTION TO NURSING**

The Development of Nursing in Our Country and in The world; Introduction to the Profession (duties, authority and responsibilities); Nursing-related Concepts (human, health, environment, diseases, nursing, family, society, values, ethics-ethical codes, theorists, and nursing, process and the philosophy of profession and nurse-patient communication)

**FUNDAMENTALS OF NURSING**

Information about nursing profession; including its historical roots, current roles/scope, and potential future evolution,  knowledge and skills that used in nursing care in various contexts: Fluid need and intravenous therapy, respiratory need, nutrition need, elimination(bowel and urinary) need, heat and cold therapies, perioperioperative nursing care, skin integrity and wound care, sleep and resting need, end of life care.

**MICROBIOLOGY**

Introduction to Microbiology, The Structure of Bacterial Cell, bacterial physiology and genetics, bacterial growth, antibiotic action and resistance mechanisms. Sterilization-disinfection, Introduction to Immunology , The Basic Mechanisms of Immune Response, Hypersensitivity Reactions, Serological tests, Fungi, Protozoa, Helminths and Viruses Investigation.

**PATHOLOGY**

Cell injury, developmental abnormalities, and cell-level adaptations, accumulations, hemodynamic disorders, inflammation, trauma and injury after repair and healing processes, immunopathology, neoplasia, nutrition-related diseases, environmental diseases, genetic diseases.

**PHARMACOLOGY**

Information about pharmocological effects, interference and adverse effects for the students of healthcare other than medical education.

**INTERNAL MEDICINE NURSING**

Nursing and Health Care (Internal Diseases Nursing and Primary Health Care Nursing Process); Health Care Holistic Vision, Fluid and electrolyte imbalances and Nursing Care; Acid-base imbalance and Nursing Care; Shock and Nursing Care; Pain, treatment of pain Pain and Nursing Approach to painful patients, sleep and nursing approach to sleep disorders; Nursing Care of Bed-Dependent Patients; Definition of Old Age, Psychological, Social, Economic and Cultural Aspects of Elderly Care; Terminal Period Individual and nursing care ; Nursing Care and Oncology –patients with oncological problems ; Immune System Diseases and Nursing Care; Nursing Care for Infection Diseases Infection and Isolation methods and Nursing Care of connective tissue disease ; Nervous System Diseases and Nursing Care; Haematological Diseases and Nursing; Respiratory System Diseases and Nursing Care; Cardiovascular Diseases and Nursing Care; Urinary Tract Diseases and Nursing Care; Digestive System Diseases and Nursing Care; Secretory Gland Diseases and nursing care ; Esophageal Diseases and nursing care; Nutritional Disorder; Inflammatory diseases; Bowel Diseases and nursing; Endocrine System Diseases and Nursing Care; Musculoskeletal Diseases and Nursing Care; Skin Diseases and Nursing Care

**SURGICAL NURSING**

Introduction to Basic Concepts of Surgeryl And Surgical Diseases Nursing, History of Surgery, When Surgery Is Required; Classification of Surgery; Effect of Surgery on the Patient, Surgical nurse's task, responsibility and authority; Basic Theoretical Concepts of Surgical Nursing; Surgery Aseptic Techniques and Surgery; Infection; Nurses' Role of hospital infection; Asepsis and Aseptic Technique, Liquid-Electrolyte, Acid-Base Balance and Surgery, Liquid-electrolyte balance, fluid and electrolyte imbalance; Acid-Base Balance and imbalance, the body response to trauma surgery and fluid-electrolyte balance, shock, classification of shock shock; Pathophysiology and Stages, symptoms and signs of shock; Cardio-pulmonary Resuscitation (CPR); Tissue Injury and Wound Healing: Cell Structure and Position; Tissue Types; Defense Mechanisms, Inflammation, and Factors Affecting Wound Healing; preoperative, intraoperative and postoperative Periods and Nursing Care, Preoperative Preparation : the preoperative Nursing Care, Post-operative (postop .) Nursing Care; Types of Burns; Breast Surgery and Nursing Care; Nervous System Surgery and Nursing Care; Nervous System Diseases Requiring Surgical Intervention, Treatment and Care; Tumors; Head trauma, Spinal Injuries, Hemi; Intracranial and Nursing Care; Unconscious Patient and Nursing Care, Respiratory System Surgery and Nursing Care; Cardiac Surgery and Nursing Care; Urogenital System Surgery (Urology) and Nursing Care; Gastrointestinal System (Gis) Surgery and Nursing Care; Musculoskeletal Surgery and Nursing Care System ; Eye Diseases And Nursing Care; Ear, Nose, and Throat Surgery and Nursing Care

**HEALTH EDUCATION**

Health Education Concepts, Training Methods and Tools, Basic Features of Adult and Children's Education, Curriculum Development.

**INFECTIOUS DISEASES NURSING**

Infection, infectious diseases and infection related nursing concepts, the frequency of infectious diseases depending on the systems, diagnosis, treatment, complications and nursing care.

**BIOSTATISTICS**
Definitions of Statistics and Biostatistics, The Use of Statistics in Health Sciences, studies Data Collection, Descriptive Statistics, Tables and Graphs, Probability and Probabilistic Distributions, Sampling, Hypothesis Testing, Regression and Correlation Analysis.

**EPIDEMIOLOGY**
Definition of Epidemiology, purposes, historical development, Epidemiologic Data Resources, Classification of Data Resources, Characteristics of Data Resources, Data Collection Instruments, Epidemiologic Criteria, Criteria that determines the level of death (mortality),(Koh, IMR, AOH), The Criteria that determines the level of infertility (CVD, GDH). Criteria(incidence, prevalence) that determines the level of ilness (morbidity), Planning of Epidemiologic Researchs, Important variables( age, gender, etc.) within Epidemiological Investigations, Sections that should be in a research plan, The survey methodology and characteristics, Survey types, Sections of the questionnaire, Types of survey questions, Rules for the preparation of the survey questions, The procedure of the implementation of the questionnaire, Epidemiology of infectious disease, General features of the problem of infectious disease, Chain of infection, Various concepts related to communicable diseases, Control of communicable diseases, Epidemiological study of epidemic, Types of Epidemic, Detection of the status of outbreak, Examination of Epidemic, Important infectious disease.

**NURSING OF WOMEN'S HEALTH AND DISEASE**

Women's health and care system (The importance of the women's health, The concepts related to the women's health, Women's health and nursing, Health education for women), Structures and biological functions of the Human Reproductive System(Embryonic development of Reproductive System, Cell Division, Gamatogenezis, Female reproductive system, Pelvic bone, teh external genital organs, Breast, Male Reproductive System, The internal Genital Organs Glands, Semen, Physiology of Female Reproductive System, Hormones of Reproductive System, Menstural Cycle, Uterinal Cycle, Uverial Cycle, Females who have a reproductive cycle problem and nursing care, Cycle Disorders,Pain, Flux, Infection, Bleeding, The genetic basis of Reproduction and nursing care, Women with reproductive organ abnormalities and nursing care, Genetic counseling and Nursing, Developmental Stages of Women and Nursing Initiatives (girl, puberty and adolescence, sexual majority, Klimakterium and menopouse, old age, Family Planning Services and Nursing (the importance of family planning, the role of nurse in family planning, Family planning methods, infertility and nursing care.), Pre-term birth and Nursing (physiological changes with pregnancy, fertilization, implantation, formation of the fetus and annexes, Changes in the body system of the pregnant women, pregnancy symptoms, The social psychological changes in pregnancy and adaptation, Emotional changes, Body Image, Transition to the role of parenting, Nursing assessment of pregnant women, High-risk pregnant women and nursing care, Determination of high-risk pregnant women, Pre-existing risk conditions, Diabetes melitusu pregnant, Pregnant women with heart disease, Urinary or renal disease, Pregnant women with chronic hypertensive disease, Anemia in pregnant women, RH and AB incompatibility, Adolescant, Undesirable Pregnancies, Risky situations arising during pregnancy, Hypertension, Urinary tract infection caused by pregnancy, Koryoamnionitis, Prenatal bleeding, Molhidatiform Abortions, Ectopic Pregnancy, Plesenta Previa, Ablacio Plesenta, Multiple pregnancy, Nursing care in the act of birth (Factors that started the birth action, socio-cultural and emasional factors that effects the birth action of the women, Women who have problems on the birth action and Nursing Care(uterine contraction abnormalities, anomalies of presentation position, head-pelvic incompatibility, uterotonic agents, amniotomy, episiotomy, forceps, caesarean section, vacuum, fetal distress, pre-term activation, post-term activation, uterine rupture, premature rapture of membranes, umbilical cord prolapse, amniotic fluid embolism, placenta abnormalities, Women in the post-partum period, Newborn and Nursing Care(physiology and care of the newborn, first postpartum care and assesment of newborn, physiology of the newborn, newborn day-care, minor problems, mother's physiology and care, the process of involution, losia character, puerparal maintanence and lactation, Neonate that needs Special Care(low birth weight, postmature, premature, neonatal complications), Mother who has postpartum problem,Uterine inversion shock, pueperal infection, chest problems, thromboembolic disease, Trauma and hematoma, Placenta retention injury, Good and Bad tumor in the genital organs,(Ovarian tumors,Uterine tumors,Breast tumors,Reproductive system cancers); Gynecological Examination Test Pass Women and Nursing and Operations (gynecological examination, testing and operation, dilation-curettage, cryo, konizasyon, koteterizasyon, biopsy, laparoscopy, tubal surgery, hysterectomy, colposcopy, kuldosentez-pap smear)

**NURSING OF CHILD HEALTH AND DISEASES**

Children's health problems and the Role of the nurse; Normal Newborn Nursing Care: High Risk Neonatal Nursing Care: Effects of bed treatment on Child and Family, Children with Chronic Illness, Life Threatening Killer / Deadly Disease Child; oncological and neurological problems,child with musculoskeletal problems and nursing care, child with genetic problem,the child with the endocrine problem and and Nursing Care, Liquid-Electrolyte and Acid-Base Balance, imbalance and Nursing Care; Drug implementations; History Taking and Assessment in the pediatric nursery.

**NURSING OF MENTAL HEALTH AND DISEASES**

Introduction to Mental Health and Psychiatric Nursing, the concept of mental health and mental health factors, mental health and psychiatric nursing definition, purpose, philosophy, historical development, conceptual framework and standards of practice, mental health and psychiatric nursing therapeutic communication principles and techniques, mental health and psychiatric nursing systematic! a planned approach to nursing, psychiatric treatment team, the team members' roles and responsibilities; Culture and psychiatry; in the world and our country, The Role of Community Mental Health Services and Mental Health Nursing, Mental Disorder and Nursing Individuals who works well in the general symptoms in individuals with Mental Disorder, Schizophrenia and other individuals with psychotic disorder and the nursing approach; affective disorder and the nursing approach to the individuals, individuals with psychoactive substance that use disorders and the nursing approach; Anxiety, Somataform and Dissossiyatif impaired individuals and nursing approach, individuals with organic mental disorders and the nursing approach; Personality disorder individuals and the nursing approach; individuals with sexual disorders and the nursing approach; various groups Psychiatric Mental Health Nursing, Developmental Periods, eras characteristics, and nursing approach to psychiatric problems arising in this period, and the nursing approach to individuals with psychophysiological disorder, psychiatric emergencies and emergency psychiatry nursing; chronic psychiatric ill and nursing, psychiatric patient's family, and Treatment Methods Applied to the Field of Mental Health and Psychiatric Nursing responsibilities, biological therapies, individual and group therapy, cognitive and behavioral therapies, the media treatment, stress, and stress method; Crisis and crisis intervention; Other treatments (Assortif Behavioral Development Education, Music Therapy, Movement Therapy, Occupational vb.) Non-Psychiatric Nursing Psychosocial Environments implementations; Consultation-Liaison Psychiatry, Liaison Psychiatry Nursing, Role and responsibility; Physical Disease in Individuals with Psychosocial Problems , Patient Rights and Ethical Issues.

**PUBLIC HEALTH NURSING**

Basic Concepts Related to Public Health Nursing Instructor (Health, disease concept, the structure of society, culture and health-related, holistic approach to health protection, development, self-care, self-responsibility); Society Recognition (Society of the purposes of recognition, the general structure of society, society, population characteristics , of the use of existing services, disease and health status, risk factors present in society, health-related knowledge, attitudes and behavior patterns); History of Medicine and Public Health Nursing (Medicine Man and the birth of the concept of disease, three phases of development of medicine, treatment medicine, Social Medicine, the historical development of public health nursing); Health Management (Definition, Organization, Personnel Retrieval and Running, Orientation, providing co-ordination, Supervision, Budget Preparation, Organization of Health Services, the period before the Ottoman Empire, the Ottoman Empire period, the period of the Government of the Republic of Turkey, organization of health services); Public Health, (PublicHealth Nursing Objectives, functions of public health nurse, nurse roles Haik Health, Care giver, the educational consulting, , Leadership, Advocacy); Health Records and Statistics (the importance of record keeping and benefit from, health record form, health levels and criteria, the criteria of death, fertility measures, the disease criteria, other criteria); Care Plan (Data collection, problem determination, Planning , reviews); Home Visits (Definition, Importance, the purposes of health education, Health planning phases of education, health education types, considerations for choosing methods, and tools used in education features); Control (Definition, Control process, Cascade, succeeded to the fulfillment of the conditions for an audit, put Supervision, Supervision and başansızlıklar experiencing difficulties; Environmental Health (Health and environmental relationships, drinking and waters, Waste, Air Pollution Radiation, Noise, and damage to health institutions, Cemeteries, Vectors, Food Sanitation); Occupational Health (Business and Labor, and the importance of health, work and purpose of workers' health, the prevention of Occupational Diseases Occupational hastalıklanndan principles, Business and Commercial, Business entry and periodic examinations, workplace nursery, Requirements for Workplace nurse), Population and Health (Definition of the population, the field of health of the population (demographic) where, in Turkey, the world population growth, population
The size, distribution and structure, the relationship between population and health); Family and Health (Definition of Family, Family types, family types and their relation to health, Mother and Child Health (Maternal and child health status and its importance in the world and in Turkey, Mother and child health problems, the main and environmental factors affecting children's health proposals Solution, home delivery); School Health (School health importance, a healthy school characteristics, school health services planning, School health education roles in the school health nurse, Infectious Diseases and Social (Importance, important local diseases in our country, The, Trohom, malaria, cancer, AIDS, parasites, gonorrhea, leprosy, syphilis, Communicable Disease Prevention and Care); Early Diagnosis (Definition and The importance of how to Early diagnosis, and special efforts are required, purpose of periodic inspections, the required properties of a screening test), chronic diseases (people with chronic disease, home care, nursing care at home in the family, education, patient selection and the person facing education); Aging (Aging problems, old age home care, healthy aging, Aging and Social Services, Community Mental Health, Social Services (serving our country, health-related institutions, the duties of nurses in these institutions)

**NURSING SERVICES ADMINISTRATION**

Main lectures and clinical studies regarding to principles of the efficient nursing management, organizational structures of hospital and nursing services, Formulation of the nursing workforce according to the dependence level of the patients, Using communication techniques efficiently, scientific problem solving approach in managerial problems, total quality management, individual and professional leadership potential and new leadership approaches.

**FIRST AID AND EMERGENCY CARE**
First aid, disaster nurse / health officer's role, civil defense and nuclear warfare, first aid bleeding, heart-lung revival, respiratory arrest first aid, burns, heat shock, and first aid, first aid freeze, fractures, dislocations and sprains first aid, the head , spine injuries and abdominal area first aid, first aid coma, intoxication, first aid, insect stings and bites first aid, first aid shock.

**GRADUATION PROJECT**

Conducting researches at various health institutions and preparing thesis report.

**ELECTIVE LIST**

**HEALTH AND NUTRITION**
Organic and inorganic food, caloric value, nutrition disorders, relation of food with health, food groups and nutrition training, nutrition problems in society, diseases connected to nutrition, hospital kitchen and menu preparation.

**HOME CARE NURSING**

Members of the home care team (nurse, physician, physical therapist, dietician, social worker, psychologist), roles and responsibilities of home care nurse, comprehensive assessment in home care (physical and psychosocial assessment of the client, family assessment, safety/environmental assessment), acute, post-acute, rehabilitative and long-term home care, home care for different patient groups, special issues in home care (infusion therapy, postpartum maternal and child care, care of mentally disordered patient, hospice and palliative care, complementary therapies), management of unexpected and emergency situations in home settings, communication strategies with the patient and family members, health education and consultation in home settings, documentation, caring for the family members, legal and ethical issues in home care

**TRANSCULTURAL NURSING**

Definition, history and concepts of transcultural nursing, overview of Anatolian culture and world cultures, health belief model and transcultural nursing, transcultural nursing assessment, transcultural approaches to pediatric, obstetrics and gynecology, mental health and chronic diseases.

**INTERPERSONAL COMMUNICATIONS IN HEALTH**

Human and personality, interpersonal relationships, interpersonal relationships and culture, theories, concepts and methods of communication, therapeutic communication, professional communication, team communication, stress management in communication, counseling.

**NURSING PROCESS WORKSHOP**

Overview of the Nursing Process aimed at guiding the learner in the use of the process in planning care. Each step – assessment, diagnosis, planning, intervention, and evaluation – will be analyzed in relation to the Nursing Care Plan. Special focus will be applied to the process of diagnosis, i.e., the identification and description of client problems amenable to nursing care. Goal setting and the process of writing care plans will also be considered as major topics.

**HEALTH ASSESSMENT AND PHYSICAL EXAMINATION**

This course uses didactic and simulated clinical experiences to develop a beginning skill level to conduct a comprehensive health assessment with adults in various settings. The course emphasizes the integration of observations, systematic data collection, and effective communication in performing patient-centered health assessments that include risk assessment and risk reduction. Fine art is used to support the development of observation and assessment skills.

**EVIDENCE BASED NURSING**

Introduction to evidence-based practice and the critical appraisal of best evidence literature. Students learn to formulate clinical questions in answerable format, search for and identify best evidence, and appraise that evidence for rigor and applicability to the clinical problem. Best evidence consists of pre-appraised individual studies and overviews. Basic principles of scientific inquiry, quantitative and qualitative research methods and research ethics are introduced in the context of clinically relevant research.

**NURSING INFORMATICS**

Focuses on the theoretical basis of nursing and health care informatics. The model of data, information, and knowledge is used to explore the basis of nursing informatics within health care. Nursing classifications and taxonomies and the computerized patient record (CPR) are introduced. Strategies are examined for dissemination, access, retrieval, and evaluation of information for professionals and consumers of health care, with an emphasis on reducing health care disparities.

**HISTORY OF CIVILIZATIONS AND SCIENCE**
Civilization, Prehistoric Period, Ancient Civilizations, Turkish-Islamic Period, Scholastic Period, Enlightenment,Three Rs, Industrial Revolution, Technological Revolution, Communication

**BEHAVIORAL SCIENCES**
Introductory Concepts and Environment, Individual Characteristics, The Intra Personal Level (Individual), The Interpersonal Level (Groups and Team Workings), The Organizational Level, Process, Leadership, Power and Politics, Information and Communication, Decision Making, Conflict and Negotiation, Change, Innovation and Stres

**PUBLIC HEALTH**
Basic concepts and approaches of public health , evaluation of important health issues ,Basic Health Services , Health indicators ,Demography , Epidemiology (Child health in Turkey, health of old age, cronical diseases, mental health, sexually infected diseases, infectious diseases), Environment health, Nutrition, Improving health

**ENTREPRENEURSHIP**
Strategic management, entrepreneurship, creativity, human resources management and communication, Entrepreneurship, financial management, strategical marketing, Entrepreneurship in Turkey / Success stories.

**HEALTH SERVICE QUALITY MANAGEMENT**
Quality Concept, Quality and theories, Applicability of theories in health services, quality and customer, quality and efficiency, quality and cost, Total Quality Management, Quality development in health services, integration of total quality management with health services, establishment of Total Quality Management culture (teamwork, training, organizational culture), analytical methods in total quality management, accreditation