

## Oral and Dental Health

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS101	Psychology and Behavioral Sciences	(2,0,2)	2	2	Compulsory Course
<p>Concepts of health and mental health, physical and mental development and development principles, mental structure (personality), conflict-inhibition-aversion, self-defense mechanisms, childhood mental characteristics, youth mental characteristics, adulthood and old age, advanced old age-dementia. In this course, students are taught to understand the psychological and sociological aspects of human behavior, to gain awareness of the characteristics of interpersonal interactions in small groups and their effects on business life, and ways of positive orientation.</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS103	Basic Principles and Practices in Occupation	(2,4,4)	4	4	Compulsory Course
<p>What is a new line of business, the Dental Technical Secretariat? What is human? Human needs. Health and disease concepts. Classification of health services. Holistic view in health services. Health team. Health care system in our country. What is your job? The criterion of the profession. Notes to be considered in the decoration of the practice, color selection, etc. Design of waiting rooms. Personal health rules. What is hygiene? Infection control, chain of infection. Classification of microorganisms. Concept of asepsis, medical asepsis, surgical asepsis. Sterilization and disinfection method. Physical methods, boiling pressure steam, dry heat. Chemical methods, gases, ethylene oxide gas, use and preparation of solutions in disinfection. Ergonomics, the body's need for movement. Patient education.</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS106	Dental Terminology with Conservative Dental Treatment and Prosthesis I	(3,2,4)	4	4	Compulsory Course
<p>General information about conservative dental treatment. Caries diagnosis, caries elimination, cavity preparation. Responsibility of the assistant in the production of fixed and removable prosthesis. Prosthesis types, impression materials and impression taking. Preparation of temporary crowns and prostheses. Tools and materials used in prosthesis construction. cementation. Sending and tracking work to the laboratory. Terms used in dentistry and their meanings.</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS107	Pathology	(1,0,1)	1	1	Compulsory Course

What is pathology? Evaluation of specimens coming to the pathology laboratory, biopsy, surgical specimens, autopsy, cytological specimens, procedures performed in the pathology laboratory: fixation, tissue follow-up, paraffin embedding, sectioning and staining, cell injury, death and functional changes, causes of cell injury: Physical, chemical, biological factors, cell growth and differentiation, normal regulation and adaptations, necrosis: Definition and types, degeneration, inflammation: Definition, causes and types, regeneration, wound healing: primary and secondary, complications of wound healing, what is disease, cell damage and death, cellular growth, adaptation mechanisms, inflammation and repair, histopathological methods, disturbances in fluid electrolyte balance and blood flow, edema, congestion and hemorrhage, hemostasis and thrombosis, embolism, infarction, shock, immunological reactions, neoplasia-tumor, definition, non-tumoral proliferations: Hyperplasia, metaplasia, dysplasia, neoplasia terminology, benign and malignant tumor Characteristics of diseases, incidence of cancer, etiology, environmental factors and genetics, nutritional diseases, AIDS, viral hepatitis, smoking and alcohol.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS108	Basic Orthodontics and Patient Care and Protective Dentistry I	(3,0,3)	3	3	Compulsory Course

The main objectives of orthodontics in a general dentistry practice. Different types of malocclusion in a model. Anomalies and simple appliance definition, explaining the treatment goals and possibilities to the patient. Closing (Class I, class II, class III cases), increasing work efficiency, capacity and ergonomic rules. Arrangement of the working area (Preparation of the treatment room, placement of the patient) Oral health rules, the importance of a well-kept mouth. Prophylactic education of patients. Plaque staining, plaque elimination, prophylactic treatment.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS110	Oral Surgery and Basic Oral Radiology I	(2,2,3)	3	3	Compulsory Course

Preparation of instruments for the operation, preparation of the patient, personal preparation. Incision, excision, periodontal surgery, extraction, apical resection, other interventions in surgical interventions. Patient care before, during and after surgery. Dark room, automatic bath device, bath solutions. X-rays show erroneous images.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS201	Dental Terminology with Conservative Dental Treatment and Prosthesis I	(3,4,5)	5	6	Compulsory Course

Filling, root canal treatment, anesthesia. Diagnostic model, anatomical measurement, functional measurement, occlusion in full and partial dentures. Immediate prostheses. Denture care, cleaning, denture adhesives. Work order to the laboratory and follow-up of the work, duration. Terms used in dentistry and their meanings. Sitting and preparing the patient in the chair, bringing the necessary tools and materials for the applications to the treatment area, 4-handed dental practice, preparing the clinic for the next patients, disinfection and sterilization.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS202	Practice Management	(1,0,1)	1	4	Compulsory Course

Providing a sterile and hygienic environment in the practice and protecting this environment between patients. Daily, weekly, monthly maintenance and cleaning rules. Cleaning equipment. Training of cleaners. Preventing work accidents.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS203	Oral Surgery and Basic Oral Radiology II	(2,2,3)	3	5	Compulsory Course

Preparation of the patient for the surgical operation in the dentist's office as clinical assistant staff, patient care afterwards, Anesthesia - complications and side effects. Surgical instruments, incisions and sutures. Other tools. Patient care before, during and after the intervention. Types of anesthesia, devices. Benefits and harms of radiology. Parts of radiology machines, their work. Protection from radioactivity. Preparation of the patient and taking radiographs. X-rays, bath solutions

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ADS206	Term Implementation	(0,30,15)	15	15	Compulsory Course

Sitting and preparing the patient in the chair, bringing the necessary tools and materials for the operation to the treatment area. Four-handed dental practice. Preparation of the clinic for the next operation. Disinfection, sterilization. Selection of serious institutions related to the student's field, approval of the selected institution by the unit, participation in the studies in the relevant institution within 30 working days, informing the unit about the applications made during the internship as a result of the internship.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FAR105	Pharmacology	(2,0,2)	2	3	Compulsory Course

Introduction to pharmacology, Description and brief history of pharmacology, General rules, rules, definitions and phrases for drug administration, Structure of the biological membrane, formastic substances produced, autonomic drugs Absorption, distribution, metabolism and elimination of drugs, Drug use materials, sedative hypnotics, non-steroidal anti-inflammatory drugs, Chemotherapeutic drugs, local anesthetics, drug use during pregnancy, Sensitivity to drugs, idiosyncasie and accumulation in their products, analgesic drugs, drugs with depressant effects on the central nervous system, alcohols, general anesthetics, hypnotics, antiepileptic drugs, analeptic drugs, local anesthetics and their types. they use the cardiovascular system, antimalarial drugs, antistaminics, chemotherapeutics, disinfectant-antiseptics.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO102	Diseases Information	(3,0,3)	3	3	Compulsory Course

General structure of the human body. Cell and its functions, Metabolism, Body fluids, electrolytes and tissue types. Organs and systems, Musculoskeletal, Nervous, Respiratory, Circulatory, Digestive, Excretory systems, reproductive organs and their functions. Concepts of health and disease, symptoms, Findings, Etiology, Examination of diseases, Examination forms and diagnostic procedures. Congenital anomalies, Eye-ENT Diseases, Urogenital System Diseases, Infectious and parasitic diseases, Cancer, Endocrine system diseases, Blood diseases, Mental health and disorders, Nervous system and sensory organs diseases.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO104	Physiology	(3,0,3)	3	3	Compulsory Course

Basic concepts of physiology, cell, tissue, organ and system organization and working mechanisms and functions of body systems, cell physiology, Muscle physiology, Circulatory system, Blood physiology, Respiratory system physiology, digestive system physiology, excretory system physiology, central nervous system physiology , endocrine system physiology.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO109	Basic First Aid	(2,2,3)	3	3	Compulsory Course

Importance and rules of first aid, crime scene management, disaster situations in society, causes, emerging problems and civil defense. Evaluation of the patient/injured, basic life support, first aid in injuries, first aid in bleeding, first aid in respiratory and circulatory system and first aid in shock extremity fractures and bleeding, first aid in vertebra, head, sternum fractures and bleeding, rescue and transportation methods. First

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
					aid in burns, electric shock, frostbite, heat stroke, food and chemical poisoning, animal bites, and other situations that require first aid.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO111	Basic Anatomy	(3,0,3)	3	4	Compulsory Course
Introduction to anatomy. Skeletal and muscular system anatomy: bone, muscle, joint and general information, upper and lower extremities. Respiratory system anatomy: thorax wall anatomy and diaphragm, nose and larynx trachea, lungs and pleura. Circulatory system: heart (atria and ventricles), pericardium, vessels. Digestive, excretory and reproductive systems: pharynx, esophagus and stomach, small and large intestines, liver, pancreas, spleen, kidneys, ureters-bladder and urethra-female and male genital organs. Nervous system: central nervous system-diencephalon and telencephalon-medulla spinalis morphology, brain sac- cerebellum and cranial nerves-autonomic nervous system. endocrine system. Sense organs: eye and visual pathways, ear, hearing and balance pathways.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO113	Developmental Psychology	(3,0,4)	3	4	Compulsory Course
Prenatal Development, Basic Concepts of Development, Physical Development in Early Childhood, Social-Emotional Development, Moral Development Theories, Sexual Development, Personality Development, Piaget's Theory of Cognitive Development, Vygotsky's Views on Cognitive Development, Bruner's Cognitive Development Theory, Vygotsky and Language Development, Piaget and Language Development, Noam Chomsky and Language Development Theory					

Course Code	Course Name	(T,U,L)	Credit	ECTS	Compulsory/Elective Course
SMO204	Occupation Ethics	(3,0,3)	3	4	Compulsory Course
In this course, it is aimed to gain the competencies related to professional ethics. Examining the concepts of ethics and morality, Examining the ethical systems, examining the factors that play a role in the formation of morality, examining professional ethics, examining the consequences of professional corruption and unethical behaviors in professional life, examining the concept of social responsibility, Examining the concepts of ethics and health, Examining the concepts of ethics and culture.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO208	Rational Drug Use	(1,0,1)	1	1	Compulsory Course

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	Basic concepts of rational drug use, stakeholders in rational drug use, drug supply process in rational drug use, compliance, storage conditions of drugs, factors leading to irrational drug use.				