DEPARTMENT OF ANATOMY

Content of Master's Degree in Anatomy with Thesis

LESSON CODE	COURSE NAME AND CONTENTS	T	A	K	ECTS
ANAT704	**Urogenital and Endocrine System Anatomy**	**3**	**0**	**3**	**8**
Purpose and Content	The aim of the course is to understand the structures within the urogenital system and endocrine system. Course content: urinary system, kidneys, ureter, bladder, urethra , genital system, female internal and external genital organs, male internal and external genital organs, pituitary, hypothalamus and hypothalamohypophyseal system anatomy, glandula . pinealis anatomy, thyroid and parathyroid glands anatomy, suprarenal glands and thymus anatomy and pancreas anatomy.				
ANAT705	**General Concepts and Terminology in Anatomy**	**1**	**0**	**1**	**2**
Purpose and Content	As in every profession, there is a unique "language" used in the medical profession. The words and terms used in this language constitute "Medical Terminology" . The vast majority of medical terms are of Latin or Greek origin. In this course, it is aimed for the student to learn the general concepts of medical terminology used during daily medical practice.				
ANAT706	**Circulatory and Respiratory System Anatomy**	**3**	**0**	**3**	**8**
Purpose and Content	The aim of the course is to learn the structure of the organs and vessels in the circulatory system and the structure of the organs in the respiratory system. The content of the course includes general information about the circulatory system, heart anatomy, general information about circulation and vessels, arteriae , venae , lymphatic system, general information about the respiratory system, nose, pharynx, larynx , trachea , lungs and respiratory system vessels.				
ANAT707	**Movement System I (Bone and Joints)**	**2**	**2**	**3**	**6**
Purpose and Content	The aim of the course is to learn general information about bones and all body bones, joint structure, types and movements. The content of the course is to have the ability to demonstrate general features about bones, important anatomical structures on bones, general features about joints, anatomical structures in joints, bones and joints on cadavers/pictures.				
ANAT709	**Movement System II (Muscles)**	**2**	**2**	**3**	**6**

Purpose and Content	The aim of the course is to provide general information about muscles, to know the characteristics of the head, neck, pelvis, abdomen, upper and lower extremity muscles and to learn their functions. The content of the course is to know general characteristics about muscles, to know body muscles and their properties, and to have the ability to show muscles on cadavers/pictures.				
ANAT711	**Circulatory and Respiratory System Anatomy**	**3**	**0**	**3**	**8**
Purpose and Content	The aim of the course is to learn the structure of the organs and vessels in the circulatory system. The content of the course is general information about the circulatory system, general information about heart anatomy, circulation and vessels, general information about arteriae , venae and lymphatic system.				
ANAT715	**General Histology**	**3**	**0**	**3**	**8**
Purpose and Content	The aim of the course is to learn the tissue types that make up the human body and the histological properties of these tissues. The content of the course is epithelial tissue, connective tissue, cartilage tissue, bone tissue, blood tissue, muscle tissue and nervous tissue.				
ANAT723	**Respiratory System Anatomy**	**3**	**0**	**3**	**8**
Purpose and Content	The aim of the course is to learn the structure of the organs in the respiratory system. The content of the course is general information about the respiratory system, nose, pharynx, larynx , trachea , lungs and respiratory system vessels.				
ANAT725	**Digestive System Anatomy**	**3**	**0**	**3**	**8**
Purpose and Content	The aim of the course is to learn the structure of the organs in the digestive system. Course content: digestive system, cavitas oris propria , glandulae This is general information about salivariae , pharynx , abdomen and peritoneum.				
ANAT727	**Urogenital and Endocrine System Anatomy**	**3**	**0**	**3**	**8**
Purpose and Content	the urogenital structure of male and female individuals and the examination of its relationship with the endocrine system.				
ANAT729	**Nervous System Anatomy**	**3**	**0**	**3**	**8**

Purpose and Content	The aim of the course is to learn the central nervous system organ structure, the anatomical structure and connections of the encephalon, and to learn general information about the structure and function of sensory organs in connection with the structure of the central nervous system. Course content encephalon, medulla spinalis , brainstem, cerebellum , diencephalon , limbic system, nuclei It is general information about basales , thalamus , hypothalamus , meninxes , autonomic nervous system, central nervous system vessels.				
ANAT731	**Cadaver Embalming, Preservation Techniques and Dissection Practices**	**1**	**2**	**3**	**8**
Purpose and Content	The aim and content of the course is to learn general information about the basic principles of dissection, the introduction and maintenance of the tools used in dissection, structural features of deep tissues, regional skin dissection lines.				
ANAT735	**Thorax Cross-Sectional Anatomy**	**2**	**0**	**2**	**8**
Purpose and Content	The aim of the course is to learn radiological positions and teach thorax radiological anatomy. The course content includes radiological positions, representation of the structures and organs in the thorax on radiological images, showing thoracic vertebrae and parts of the vertebrae on radiological images.				
ANAT737	**Abdomen Cross-Sectional Anatomy**	**2**	**0**	**2**	**8**
Purpose and Content	The aim of the course is to learn radiological positions and teach abdominal radiological anatomy. The content of the course is to describe radiological positions, show the structures and organs in the abdomen on radiological images, and show the lumbar vertebrae and parts of the vertebrae on radiological images.				
ANAT739	**Radiological Anatomy of the Extremities**	**2**	**0**	**2**	**8**
Purpose and Content	The aim of the course is to learn radiological positions and to teach the radiological anatomy of the head, neck, upper and lower extremities and vertebrae. The content of the course is to describe radiological positions, show the structures in the head and neck on radiological images, show the upper and lower extremities on radiological images, show the vertebrae and parts of the vertebrae on radiological images.				
ANAT741	**Special Histology**	**3**	**0**	**3**	**8**
Purpose and Content	The aim of the course is to learn the microscopic structure and organization of organs of body systems. The content of the course is special histology of the digestive system, circulatory system, urinary system, genital system, endocrine system, nervous system.				
ANAT743	**General Embryology**	**3**	**0**	**3**	**8**

Purpose and Content	The aim of the course is to ensure that human embryology is learned at the postgraduate level. The content of the course is human embryology , mitosis-meiosis, fertilization, characteristics of the fetal period, placenta, fetal circulation and teratology .				
ANAT797	**Graduate Seminar**	**0**	**2**	**0**	**6**
Purpose and Content	The aim of the Anatomy Master's program is to enable students to collect information about current professional issues by conducting literature research in their fields, to synthesize the information they collect, to present and discuss it in a report.				
ANAT7098D	**Course Specialization Field**	**4**	**0**	**0**	**4**
Purpose and Content	The aim of this course is to provide students who have not reached the thesis stage with the ability to follow, evaluate and discuss the literature on the subject they will study. In addition to this, it is aimed to develop students' knowledge and skills in terms of scientific ethics and scientific research methodology.				
ANAT7098T	**Thesis Specialization Field**	**4**	**0**	**0**	**4**
Purpose and Content	The aim of this course is to provide students who have reached the thesis stage with the ability to follow, evaluate and discuss the literature on the subject they will study. In addition to this, it is aimed to develop students' knowledge and skills in terms of scientific ethics and scientific research methodology.				
ANAT799	**Master's Thesis Study**	**0**	**1**	**0**	**26**
Purpose and Content	The aim of this course is to provide students at the thesis stage with the ability to monitor, evaluate and discuss the literature on the subject they will study. In addition, it aims to develop students' knowledge and skills in terms of science ethics and scientific research methodology.				
LUEE701	**Scientific Research Techniques and Science Ethics**	**3**	**0**	**3**	**8**
Purpose and Content	The aim of the course is to teach research techniques, to teach effective methods of producing written and oral scientific outputs, and to teach the ability to convey the scientific outputs produced orally and in writing to the scientific world.				
SABE702	**Biostatistics I**	**2**	**2**	**3**	**6**

Purpose and Content	It is aimed for researchers to be able to summarize their data in the form of tables and graphs, to make it suitable for analysis (if necessary), to examine the relationship between variables, to examine the effects of factors on variables, and to establish and test the necessary hypotheses.				
SABE703	**Biostatistics II**	**3**	**3**	**6**	**8**
Purpose and Content	Many interrelated phenotypes are obtained from experimental units (for example: CRP, WBC, ALT, AST, Glucose, BUN, creatine, Na , K, etc. in blood). In this course, it is aimed to teach multivariate analysis methods in which all features can be analyzed simultaneously, taking into account the relationship between variables in data with these features, and to interpret the results from a health and biological perspective.				