

İÜT106 - Anatomy II - Kozaklı Meslek Yüksekokulu - Terapi ve Rehabilitasyon Bölümü  
General Info

Objectives of the Course

It aims to introduce students to human beings and to present structures that have neighborly relations with neighbors. To form the basis for courses in other semesters. It enables the student to better base clinical courses and diseases.

Course Contents

RESPIRATORY SYSTEM (Aims to master the respiratory tract, structures such as Nose, Pharynx, Larynx, Trachea and Bronchi). It aims to examine in detail the lungs and bronchioles, which are the respiratory organs. CIRCULATORY SYSTEM structures; It aims to dominate the Heart, Arteries and Veins, and the Lymphatic system. It aims to master the DIGESTIVE SYSTEM structures, which belong to the digestive tract: Mouth, Pharynx, Esophagus, Stomach, Small intestines, Large intestines, Rectum and Anal canal. Examines the structures of the liver, gallbladder, pancreas and salivary glands, which are organs that assist digestion. Examines the URINARY SYSTEM structures: Kidney, Ureter, Bladder and Urethra. Examines the GENITAL SYSTEM structures internally and externally in men and women. Examines the ENDOCRINE SYSTEM organs anatomically: Pituitary gland, Thyroid gland, Parathyroid gland and Pancreas. Examines the NERVOUS SYSTEM as Central and Peripheral nervous system. Anatomically examines the SENSORY ORGANS, the skin and its appendages, the organ of smell and taste, and the organ of vision.

Recommended or Required Reading

Prof. Dr. Yasin Arifoğlu ANATOMY IN EVERY ASPECT Prof. Dr. Yasin Arifoğlu NEUROANATOMY IN EVERY ASPECT Introduction to Human Anatomy: Prof. Dr. Bikem Süzen, Nobel Medicine Bookstore Introduction to Human Anatomy and Physiology: Eldra Pearl Solomon, Translation: Prof. Dr. Bilkem Süzen, Birol Publications The Whole Brain Atlas <http://www.med.harvard.edu/AANLIB/home.html> Human Anatomy Online <http://www.innerbody.com/htm/body.html> University of Utah - Neuroanatomy Atlas <http://library.med.utah.edu/WebPath/HISTHTML/NEURANAT/NEURANCA.html> <https://www.clinicalkey.com> Gray's Anatomy for Students

Planned Learning Activities and Teaching Methods

At the end of the anatomy course, revisions consisting of questions and answers are made. We play the taboo we made with the students so that they can memorize the words more easily. Repetitions are made out loud and interactively with the participation of the whole class. In teaching methods, first the theoretical part is covered through presentation, and that subject is repeated through models.

Recommended Optional Programme Components

It makes the process easier for the student to come to each week's lesson prepared by using the slides.

Instructor's Assistants

Course instructor: Lecturer. See. Mine Arslan

Presentation Of Course

The course is given to students of the Department of Therapy and Rehabilitation for four hours a week for one year, with 1 hour of these four hours being practical.

Dersi Veren Öğretim Elemanları

Inst. Mine Arslan Karsli

Program Outcomes

1. Accurately marks the main structures of the circulatory and respiratory systems (heart, major vessels, lungs, and trachea) on diagrams and visuals.
2. Sequences the digestive system organs (from mouth to anus) and accessory organs (liver, pancreas) on a functional flow chart according to the order of digestion.
3. Demonstrates the main parts of the central and peripheral nervous systems, along with sensory and motor pathways, on basic graphical drawings.
4. Distinguishes urinary system organs and reproductive system structures on anatomical visuals based on their structural features and proximity relationships.
5. Identifies the locations of endocrine glands and the primary layers of skin/sensory organs (eyes, ears, etc.) on anatomical cross-sectional visuals.

Weekly Contents

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
1	All Aspects of Neuroanatomy Book by Prof. Dr. Yasin Arifoğlu pages 65-76	Practical exercises are performed on models of the brain and spinal cord. The brain and cerebellum are examined. NERVOUS SYSTEM Nervous system structure	Theoretically, the course is explained through presentation. The part learned is practiced in the last lesson. The lesson ends with an interactive review with the students through games and questions. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	NERVOUS SYSTEM The student has general knowledge about the structure and anatomy of the nervous system. The central nervous system is made. NERVOUS SYSTEM Nervous system structure	Practical exercises are performed on models of the brain and spinal cord. The brain and cerebellum are examined. NERVOUS SYSTEM Nervous system structure
2	Last week's slides provide preliminary preparation. All Aspects of Neuroanatomy Book by Prof. Dr. Yasin Arifoğlu Page 78-98	Central and nervous system structures are examined in more detail, as in the models in the laboratory. Structures that are not in the models are shown visually on the internet. Central and peripheral nervous system structures are examined NERVOUS SYSTEM-Central and Peripheral nervous system	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	NERVOUS SYSTEM With the background of the first week, the nervous system is examined in detail as the Central and Peripheral nervous systems. The central nervous system is examined in detail. NERVOUS SYSTEM-Central and Peripheral nervous system	Detailed examination of the Central and Peripheral nervous system Central and peripheral nervous system structures are examined NERVOUS SYSTEM-Central and Peripheral nervous system
3	Anatomy Book in All Aspects by Prof. Dr. Yasin Arifoğlu Page 377-456	The respiratory system and all the structures included in the system are examined through a model. Digestive system anatomy CIRCULATORY SYSTEM Heart, Arteries,	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	RESPIRATORY SYSTEM Respiratory tracts (Nose, Pharynx, Larynx, Trachea and Bronchi) Respiratory organ (Lung and Bronchioles) are processed. Digestive system anatomy CIRCULATORY SYSTEM Heart, Arteries,	The respiratory system and all the structures included in the system are examined through a model. Digestive system anatomy is examined through models. CIRCULATORY SYSTEM Heart, Arteries,

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
4	Anatomy Book in All Aspects by Prof. Dr. Yasin Arifoğlu Page 433-456	The lecture is repeated using the heart model. Liver, Gallbladder, Pancreas and Salivary glands are examined. CIRCULATORY SYSTEM Veins, Lephatic System	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	CIRCULATORY SYSTEM Access is made to the circulatory system. The structure of the heart is examined in detail. Liver, Gallbladder, Pancreas and Salivary glands are examined. CIRCULATORY SYSTEM Veins, Lephatic System	The progress is made by answering questions on the heart model. Liver, Gallbladder, Pancreas and Salivary glands are examined with models. CIRCULATORY SYSTEM Veins, Lephatic System
5	Anatomy Book in All Aspects by Prof. Dr. Yasin Arifoğlu Page 298-315	It involves showing the main arteries and veins that feed the body through large models. CIRCULATORY SYSTEM Heart, Arteries, RESPIRATORY SYSTEM Respiratory tracts (Nose, Pharynx, Larynx, Trachea and Bronchi) Respiratory organ (Lungs and Bronchioles)	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	CIRCULATORY SYSTEM The circulatory system is examined in more detail. Arteries, Veins and Lephatic System structures are explained. CIRCULATORY SYSTEM Heart, Arteries, RESPIRATORY SYSTEM Respiratory tracts (Nose, Pharynx, Larynx, Trachea and Bronchi) Respiratory organ (Lungs and Bronchioles)	It involves showing the main arteries and veins that feed the body through large models. CIRCULATORY SYSTEM Heart, Arteries, RESPIRATORY SYSTEM Respiratory tracts (Nose, Pharynx, Larynx, Trachea and Bronchi) Respiratory organ (Lungs and Bronchioles)
6	Anatomy Book in All Aspects by Prof. Dr. Yasin Arifoğlu Page 287-298	Mouth, Pharynx, Esophagus, Stomach, Small intestines, Large intestines, Rectum and Anal canal are explained through models, and the theoretical part is repeated. CIRCULATORY SYSTEM Veins, Lymphatic System DIGESTIVE SYSTEM - Mouth, Pharynx, Esophagus, Stomach, Small intestines, Large intestines, Rectum and Anal canal	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	DIGESTIVE SYSTEM Mouth, Pharynx, Esophagus, Stomach, Small intestines, Large intestines, Rectum and Anal canal are examined. CIRCULATORY SYSTEM Veins, Lymphatic System DIGESTIVE SYSTEM - Mouth, Pharynx, Esophagus, Stomach, Small intestines, Large intestines, Rectum and Anal canal	Mouth, Pharynx, Esophagus, Stomach, Small intestines, Large intestines, Rectum and Anal canal are explained through models, and the theoretical part is repeated. CIRCULATORY SYSTEM Veins, Lymphatic System DIGESTIVE SYSTEM - Mouth, Pharynx, Esophagus, Stomach, Small intestines, Large intestines, Rectum and Anal canal
7	Anatomy Book in All Aspects by Prof. Dr. Yasin Arifoğlu Page 324-375	Liver, Gallbladder, Pancreas and Salivary glands are examined in detail with models and visuals. RESPIRATORY SYSTEM Respiratory tracts (Nose, Pharynx, Larynx, Trachea and Bronchi) Respiratory organ (Lungs and Bronchioles) DIGESTIVE SYSTEM - Liver, Gallbladder, Pancreas and Salivary glands)	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	Liver, Gallbladder, Pancreas and Salivary glands, which are auxiliary organs to the DIGESTIVE SYSTEM, are examined in detail. RESPIRATORY SYSTEM Respiratory tracts (Nose, Pharynx, Larynx, Trachea and Bronchi) Respiratory organ (Lungs and Bronchioles) DIGESTIVE SYSTEM - Liver, Gallbladder, Pancreas and Salivary glands)	Liver, Gallbladder, Pancreas and Salivary glands are examined in detail with models and visuals. RESPIRATORY SYSTEM Respiratory tracts (Nose, Pharynx, Larynx, Trachea and Bronchi) Respiratory organ (Lungs and Bronchioles) DIGESTIVE SYSTEM - Liver, Gallbladder, Pancreas and Salivary glands)
8	Teorik ve pratik olarak sınav yapılır.	Teorik ve pratik olarak sınav yapılır. midterm exam midterm exam	Teorik ve pratik olarak sınav yapılır. midterm exam midterm exam	Teorik ve pratik olarak sınav yapılır. midterm exam midterm exam	Teorik ve pratik olarak sınav yapılır. midterm exam midterm exam
9	Anatomy Book in All Aspects by Prof. Dr. Yasin Arifoğlu Page 475-490	Kidney, Ureter, Bladder and Urethra are processed on models. URINARY SYSTEM-Kidney, Ureter, Bladder and Urethra URINARY SYSTEM-Kidney, Ureter, Bladder and Urethra	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	URINARY SYSTEM Kidney, Ureter, Bladder and Urethra are covered in detail, considering the differences in male and female anatomy. URINARY SYSTEM-Kidney, Ureter, Bladder and Urethra URINARY SYSTEM-Kidney, Ureter, Bladder and Urethra	Kidney, Ureter, Bladder and Urethra are processed on models. URINARY SYSTEM-Kidney, Ureter, Bladder and Urethra URINARY SYSTEM-Kidney, Ureter, Bladder and Urethra
10	Anatomy Book in All Aspects by Prof. Dr. Yasin Arifoğlu Page 493-510	Female internal and external genital organs are examined in detail through models and visuals. GENITAL SYSTEM - Female internal and external genital organs GENITAL SYSTEM - Female internal and external genital organs	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	GENITAL SYSTEM Female internal and external genital organs are examined in detail. GENITAL SYSTEM - Female internal and external genital organs GENITAL SYSTEM - Female internal and external genital organs	Female internal and external genital organs are examined in detail through models and visuals. GENITAL SYSTEM - Female internal and external genital organs GENITAL SYSTEM - Female internal and external genital organs

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
11	Anatomy Book in All Aspects by Prof. Dr. Yasin Arifoğlu Page 510-521	Male internal and external genital organs are examined in detail using models. GENITAL SYSTEM - Male internal and external genital organs GENITAL SYSTEM - Male internal and external genital organs	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	GENITAL SYSTEM Male internal and external genital organs are examined in detail through presentations. GENITAL SYSTEM - Male internal and external genital organs GENITAL SYSTEM - Male internal and external genital organs	Male internal and external genital organs are examined in detail using models. GENITAL SYSTEM - Male internal and external genital organs GENITAL SYSTEM - Male internal and external genital organs
12	Versatile Anatomy Book Prof. Dr. Yasin Arifoğlu Page 459-473	Pituitary gland, thyroid gland, parathyroid gland and pancreas are practically repeated from models and visuals. ENDOCRINE SYSTEM - Pituitary, Thyroid gland, Parathyroid gland, Pancreas ENDOCRINE SYSTEM - Pituitary, Thyroid gland, Parathyroid gland, Pancreas	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	ENDOCRINE SYSTEM The basic structures of the endocrine system, Pituitary gland, Thyroid gland, Parathyroid gland and Pancreas, are discussed in detail on the slide. ENDOCRINE SYSTEM - Pituitary, Thyroid gland, Parathyroid gland, Pancreas ENDOCRINE SYSTEM - Pituitary, Thyroid gland, Parathyroid gland, Pancreas	Pituitary gland, thyroid gland, parathyroid gland and pancreas are practically repeated from models and visuals. ENDOCRINE SYSTEM - Pituitary, Thyroid gland, Parathyroid gland, Pancreas ENDOCRINE SYSTEM - Pituitary, Thyroid gland, Parathyroid gland, Pancreas
13	Versatile Anatomy Book Prof. Dr. Yasin Arifoğlu Page 695-698	The process proceeds by processing eye and ear models and the missing parts through visuals. SENSORY ORGANS Skin and appendages SENSORY ORGANS Smell and taste organ SENSORY ORGANS Skin and appendages	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	SENSORY ORGANS In general terms, the sensory organs are entered. Eye and ear are treated theoretically. SENSORY ORGANS Skin and appendages SENSORY ORGANS Skin and appendages	The process proceeds by processing eye and ear models and the missing parts through visuals. SENSORY ORGANS Skin and appendages SENSORY ORGANS Skin and appendages
14	Versatile Anatomy Book Prof. Dr. Yasin Arifoğlu Page 694-695	The anatomy of the nose and tongue, which are the organs of smell and taste, are examined in detail using models. SENSORY ORGANS Smell and taste organ SENSORY ORGANS Smell and taste organ	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated. After a theoretical presentation, a practical lesson is held with explanations, case examples and models.	Continue to SENSORY ORGANS. The anatomy of the nose and tongue, which are the organs of smell and taste, are examined in detail. SENSORY ORGANS Smell and taste organ SENSORY ORGANS Smell and taste organ SENSORY ORGANS Smell and taste organ	The anatomy of the nose and tongue, which are the organs of smell and taste, are examined in detail using models. SENSORY ORGANS Smell and taste organ SENSORY ORGANS Smell and taste organ
15	Versatile Anatomy Book Prof. Dr. Yasin Arifoğlu Page 653-693	The skin and its appendages, which are the last part of the sensory organs, are processed. Last revision is done before the final exam SENSORY ORGANS Organ of vision SENSORY ORGANS Smell and taste organ	First, the theoretical lesson is taught through slides. The last hour of the practical lesson is taught through models and visual presentations. The lesson is repeated with games and questions just before the end of the lesson. After the theoretical lesson, practice is repeated.	The skin and its appendages, which are the last part of the sensory organs, are processed. Last revision is done before the final exam SENSORY ORGANS Organ of vision SENSORY ORGANS Smell and taste organ	The skin and its appendages, which are the last part of the sensory organs, are processed. Last revision is done before the final exam SENSORY ORGANS Organ of vision SENSORY ORGANS Smell and taste organ
16		final exam	final exam	final exam	final exam

#### Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Vize	2	2,00
Final	2	2,00
Bütünleme	1	1,00
Problem Çözme	5	1,00
Sözlü	14	1,00
Ödev	10	1,00
Derse Katılım	14	2,00
Uygulama / Pratik	14	1,00
Laboratuvar	10	1,00
Ara Sınav Hazırlık	1	2,00
Final Sınavı Hazırlık	1	2,00
Ev Ödevi	5	1,00
Teorik Ders Anlatım	14	2,00



- P.O. 40 :** İnsan ve grup davranışının psikolojik ve sosyolojik etkenlerini bilir.
- P.O. 41 :** İnsan davranışını açıklarken gelişim ve kişilik kuramlarından faydalanır.
- L.O. 1 :** Dolaşım ve solunum sistemine ait ana yapıları (kalp, büyük damarlar, akciğerler ve soluk borusu) şema ve görseller üzerinde işaretleyebilir.
- L.O. 2 :** Sindirim sistemi organlarını (ağızdan anüse kadar) ve yardımcı organları (karaciğer, pankreas) sindirim sırasına göre fonksiyonel bir akış şeması üzerinde sıralar.
- L.O. 3 :** Merkezi ve periferik sinir sistemine ait ana bölümleri, duyu ve motor iletim yollarını temel grafiksel çizimler üzerinde gösterir.
- L.O. 4 :** Üriner sistem organları ile üreme sistemi yapılarını, anatomik görseller üzerinde yapısal özelliklerine ve komşuluk ilişkilerine göre ayırt eder.
- L.O. 5 :** Endokrin bezlerin yerlerini ve deri/duyu organlarının (göz, kulak vb.) temel katmanlarını anatomik kesit görselleri üzerinde tanımlar.