



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Histology							
Course Code		AN001		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Most small to teach the properties of the tissue they came together and formed the living unit, the cell with the general structure of cells and cell division.							
Course Content		Learning the characteristics of the tissue.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Ins. Hakan KANLIOĞLU, Lec. Şengül ŞENTÜRK							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Junqueira's Temel Histoloji
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Week	Weekly Detailed Course Contents	
1	Theoretical	Definition of cell size, shape, structure, cytoplasm, Form Factors
2	Theoretical	Organeller - Membransel Organeller; Hücre zarı, Ergastoplazma, Golgi Aygıtı, Lizozomlar, Mikrocisimler, Mitokondriyonlar
3	Theoretical	Nonmembranous organelles; Centrosome, warp threads, Myofibrillar, neurofibrillary, Tonofibrils. Cytoplasm inclusions.
4	Theoretical	Hücre içi haberci sistemleri, Çekirdek; Çekirdek Zarı, Kromatin, Nükleik Asitlerin Moleküler Yapıları, Nükleik Asitlerin Sentezlenmeleri, Seks Kromatini, Çekirdekçik, Çekirdek Sıvısı.
5	Theoretical	Cell division; Amylose division, Mitosis, Meiosis, Cell Cycle, Cell Differentiation
6	Theoretical	Epithelial tissue; Covering epithelium, secretory epithelium, Kassel epithelium, sensory epithelium
7	Theoretical	Connective Tissue; Connective tissue cells; Mesenchymal cells, reticulum cells, fibroblasts, macrophages, fat cells, plasma cells, mastocytes, Pigment Cells
8	Intermediate Exam	Midterm
9	Theoretical	Connective Tissue Types; Mesenchymal tissue, mucous connective tissue, connective tissue loose, tight (compact), connective tissue, reticular connective tissue, fat tissue
10	Theoretical	Cartilage tissue; Hyaline cartilage, elastic cartilage, fibrous cartilage, cartilage Membrane
11	Theoretical	Bone tissue; Microscopic structure of compact bone, bone cells, Ossification, repair of fractures, joints
12	Theoretical	Blood Tissues; Red blood cells, reticulocytes, Leukocytes; Agronulosit, Thrombocytes, Lymph, Blood Cell Production
13	Theoretical	Muscle tissue, Skeletal Muscle Tissue Heart Muscle tissue, smooth muscle tissue
14	Theoretical	Nerve Tissue; Nerve Cell, Myelin Sheath, neural I, Synapses, Intermediates of Nerve Tissue
15	Theoretical	An overview
16	Final Exam	final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Midterm Examination	1	8	1	9



Final Examination	1	9	1	10
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	The overall structure of the cell membrane structure and function of membranes, learn microscopic image and functions of the cell organelles.
2	2. Learn more about the features of the division of cell division varieties.
3	3. types of tissues, learn microscopic appearance and functions.
4	learn organelles
5	basic cell information

Programme Outcomes (Medical Imaging Techniques)

1	To be able to get information the working principles of Radiology, Nuclear Medicine and Radiotherapy devices, and distinguish their components, use these devices in accordance with operating instructions.
2	To be able to perform the procedures in accordance with the examination of Radiology and Nuclear Medicine imaging .
3	To be able to apply the radiotherapy treatment, planned by radiation physicist with instruction of radiotherapist.
4	To be able to develop and perform the film printing of the images that obtained by imaging techniques of Radiology, Nuclear Medicine
5	To be able to evaluate the images that obtained by imaging techniques of Radiology, Nuclear Medicine in terms of radiographic quality and takes the necessary measures.
6	To be able to know the medical and radiologic terminology, and pronounce and use them correctly
7	To be able to take the necessary measures in accordance with the rules of Radiation safety and protection from radiation, and apply them.
8	To be able to distinguish the anatomical structures on images, obtained by the conventional and cross-sectional imaging techniques of Radiology, Nuclear medicine.
9	To be able to communicate well with patient, their family and the hospital staff.
10	To be able to move with own professional duties, powers and responsibilities of the consciousness and apply the rules of professional ethics.
11	To be able to adapt to a multi-disciplinary team work.
12	To be able to have a basic knowledge of human physiology.
13	To be able to distinguish anatomical structures.
14	To be able to establish a cause-and-effect relationship between events.
15	To be able to have the ability of analytical thinking and problem solving.
16	To be able to apply the basic principles of first aid.
17	It has basic knowledge about human anatomy
18	Understanding the basic concepts and principles of physics while providing, in the medical field and in particular medical imaging students better understand the issues involving technical vocational courses
19	OHS 'basic concepts; work accidents, occupational diseases, occupational physicians, occupational safety specialist, İSGB, OSGB, hazard classes, risk assessment, OHS employee representatives is
20	Have basic knowledge about basic medical practices and makes applications

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P12	5	5	5	5	5

