



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Cell Biology							
Course Code		AN002		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	76 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Cell organelles and teaching. Explaining the basic functions of the cell and tasks.							
Course Content		History of Cell Biology, Structure of the cell, prokaryotic and eukaryotic cells, the cell's biochemical structure, biological structures, Inspection Tools, Basic Building Units in Biological Systems, Cell Membrane, alterations in the cell membrane, the cell interior of the membrane system and the cytoplasm, the Golgi complex, mitochondria, Peroxisome, I glyoxysomes, hydrogenosomes and Glikozom are plastids and chloroplasts, ribosomes, lysosomes, centrioles, nucleus and nucleolus, chromosomes and Cell Division							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Ins. Adem KESKİN, Ins. Aslı ÇANAKÇI							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Molecular Cell Biology - Palme Yayınevi
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Week	Weekly Detailed Course Contents	
1	Theoretical	The general structure of the cell, prokaryotic and eukaryotic cells
2	Theoretical	Biochemical Cell Structure
3	Theoretical	Basic Structure Units in Biological Systems
4	Theoretical	Cell membrane
5	Theoretical	Variations In The Cell
6	Theoretical	Inside the cell membrane and cytoplasm System
7	Theoretical	Golgi Complex, the mitokodr
8	Intermediate Exam	Midterm
9	Theoretical	Peroxisome glyoxysomes I, and Glikozom on hydrogenosomes
10	Theoretical	Plastids and chloroplasts
11	Theoretical	ribosomes
12	Theoretical	Ribosomes Protein synthesis
13	Theoretical	lysosomes
14	Theoretical	Sentriol, Nucleus and Nucleolus
15	Theoretical	Chromosomes and Cell Division

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	2	70
Midterm Examination	1	2	1	3
Final Examination	1	2	1	3
Total Workload (Hours)				76
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Explanation of the cell's basic functions and tasks
2	Explaining the cell cycle



3	learn the cell skeleton
4	learning the structure of the cell membrane
5	to know the organelles in the cell

Programme Outcomes (First and Emergency Aid)

1	To be able to be aware of their professional authorities and responsibilities.
2	To be able to use the principles of individual and organizational communication skills.
3	To be able to define the emergency medical services and the pre-hospital emergency medical system devices used in Turkey and the world .
4	To be able to perform physical assessment of the patient and primary and secondary inspection.
5	To be able to apply the methods of handling and transportation of the patient
6	To be able to recognize the rules of the general approach to trauma patients and to be able to be capable of handling and maintenance of trauma equipment.
7	To be able to recognize emergency vehicles' mechanical and technical equipment and to be able to drive emergency vehicles.
8	To be able to identify the principles of pre-hospital emergency care in cases of environmental emergencies.
9	To be able to identify the principles of pre-hospital emergency care in medical emergencies.
10	To be able to analyze the ECG rhythm and apply the principles of pre-hospital emergency care for rhythm Disorders.
11	To be able to recognize and apply the pre-hospital emergency care drugs and fluids.
12	To be able to identify basic life support applications, Advanced Life Support applications and Advanced air way applications.
13	To be able to recognize the principles of pre-hospital emergency during disasters.
14	To be able to protect and maintain the highest level of physical and mental health.
15	To be able to recognize human anatomy and physiology.
16	To be able to develop good communication and human relations skills with colleagues and patients.
17	To be able to apply Infection Control Methods and check infectious situations of emergency vehicles and equipment, ensure the conditions of asepsis-antisepsis and pre-hospital emergency care with Infectious Diseases.
18	To have the appropriate knowledge of medical sciences at the level of interest, to use specific medical terms and terminology of field

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

	L1	L2	L3	L4	L5
P15	4	4	4	4	4

