Course Name	Code	Half term	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	ECTS
AN INTRODUCTION TO MEDICAL BIOLOGY	MTP 503	1. semester/Fall	3	0	0	5
Prerequisites	No					
Course language	Turkish					
Course Type	Compulsary					
Teaching Methods	Interactively, Slide Presentation, If necessary,accessing data sources via internet					
Responsible for the course (s)						
Course Objectives	It is expected to gain introduction to medical biology and genetics and contribution to medicine, cellular biology,cellular structure and functions, cell types, chemical components of the cells and biomolecules, molecular organization of the cell and fine structures of the cell, cellular metabolism and energy conversion					
Course learning outcomes	1. Will be able to explain molecular organization of the cell and cellular functions 2. Will be able to define different cell types 3. Will be able to describe cellular energy conversion					
Resources	1. Alberts B, Johnson A, Lewis J,b Raff M, Roberts K, Walter P.2002; Molecular Biology of the cell. Fourth edition. Garland Science, New York. 2. Cooper, Geoffrey M. 2000; The Cell: A Molecular approach Sunderland (MA), Sinauer Associates, Inc.					

Weekly Course Topics

AS the WEEKS	DISCUSSION TOPICS TO BE PROCESSED
1. Week	An introduction to medical biology and genetics/ Contributions to medicine
2. Week	Cellular Biology
3. Week	Cellular structures and functions
4. Week	Cell types
5. Week	Chemical components of the cell and biomolecules
6. Week	Molecular organization of the cell and fine structures
7. Week	Cellular matabolism and energy conversion
8. Week	Imaging of the cells
9. Week	Structure of plasma membrane
10. Week	Small molecule transport through plasma membrane
11. Week	Cellular organelles
12. Week	Vesicular trafficing
13. Week	Cell signaling
14. Week	Cell sceleton

Student Workload Table

A series of unfortunate events	**The number of**	**Duration**	**Total Workload**
Lesson	14	3	42
Laboratory			
Application			
Field Work			
Class Study Time Off (free run/group work/preliminary study)	14	4	56
Presentation (Video support/preparation of the Poster/Oral Presentations/focus group Interview/Poll Application/Observation and report writing)			
Seminar Preparation			
Project			
Case Study			
Article writing-not Critical			
Other applications			
Semester exams	2	10	20
End of term exams	1	7	7
The total workload (hours)/25 (s)	125/25 =5		
Course ECTS	**5**		

Evaluation System

Semester Work	**The number of**	**Contribution**
Midterm Exam	1	40%
Half Year End Exam	1	60%
Laboratory		
Application		
Field Work		
Class-Specific Internship (If Any)		
Assignments		
Presentations and Seminars		
Projects		
Other		
Do your homework		
Application		
Laboratory		
The sum of the grades		100

COURSE LEARNING OUTCOMES AND A RELATIONSHIP WITH PROGRAM QUALIFICATIONS

No.	PROGRAM QUALIFICATIONS	Learning outcomes		
		LO1	LO2	LO3
1	Degree level qualification at the level of expertise in the field of molecular medicine based on up-to-date information, enhances and deepens.	3	3	3
2	Requires a level of knowledge of the field of molecular medicine technologies, technical equipment and machinery and tools that are specific to the field information	3	3	3
3	Molecular Medicine is having in the field of information integrate with information from different disciplines to create new information, comments, analysis and synthesis by using different research methods and propose solutions.	3	3	3
4	The report of his research the author.	3	3	3
5	Empirical research plans.	3	3	3
6	Molecular Medicine in matters requiring expertise in the field of fiction, propose solutions, and solves the problems, assesses the results obtained when necessary.	3	3	3
7	Molecular Medicine and public health-related priority issues Area scientific clinical and/or descriptive research/presentations/publication.	3	3	3
8	The information related to the field of molecular medicine evaluates and directs the learning a critical approach.	3	3	3
9	Professional development related to the field of molecular medicine and performs studies the principles of life-long learning.	3	3	3
10	Current developments in the field of Molecular Medicine information, and their work in the same field or with groups other than the written, oral and Visual systematically as he discusses and shares.	3	3	3
11	The vocational and professional environment, social relationships, and those relationships are a critical perspective, norms and makes the need to improve them.	3	3	3
12	Collection of data related to the field of molecular medicine, towards restriction, interpretation, announcing social, scientific and ethic values in oversees and teaches these values.	3	3	3
13	The basic unit of society, current developments in the field of Molecular Medicine is to cover the national children and family values, and evaluates in line with the realities of the country.	3	3	3
14	Ethical principles and the importance of the individual and of the community for the Ethics Committee, ethics.	3	3	3
15	Molecular Medicine in the field with strategy, policy and implementation plans and results obtained within the framework of the quality processes.	3	3	3
Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent				