2025-2026 ACADEMIC YEAR PHASE I
MED 104 Cell Sciences IV

Committee start date : 23 March 2026
Committee end date : 22 May 2026
Venue: Grand Library, Hall 3

	Lecture	Lab	Total
Biophysics	23	-	23
Histology & Embryology	6	-	6
Medical Biochemistry	20	-	20
Medical Biology	10	4+4	18
Medical Genetics	6	-	6
Medical History	9	-	9
Physiology	7	-	7
TOTAL	81	4+4	19

Dean	**Professor Gamze Mocan**
Vice Dean	**Professor Selda Önderoğlu**
Vice Dean	**Professor Aysel Kükner**
Coordinator	**Professor Özlem Dalmızrak**
Assistant Coordinators	**Professor Umut Gazi**
	Assistant Professor Gizem Söyler

ACADEMIC STAFF	
Professor Nesrin ÇOBANOĞLU	Department of Medical History and Ethics
Professor Özlem DALMIZRAK	Department of Medical Biochemistry
Professor Murat ÖZGÖREN	Department of Biophysics
Professor Selma YILMAZ	Department of Medical Biology
Associate Professor Günnur KOÇER	Department of Physiology
Assistant Professor Aybike ERDOĞAN ATAY	Department of Medical Genetics
Assistant Professor Burak DURMAZ	Department of Medical Biochemistry
Assistant Professor Gizem SÖYLER	Department of Histology & Embryology
Dr. Gözde ÖĞÜTÇÜ	Department of Histology & Embryology

	23 March	24 March	25 March	26 March	27 March
08.40 - 09.30	Medical Biochemistry Biosynthesis of Carbohydrates I *Burak Durmaz*	Independent Learning	Independent Learning	Independent Learning	Medical Biochemistry Biosynthesis of Fatty Acids and Regulation *Burak Durmaz*
09.40 - 10.30	Medical Biochemistry Biosynthesis of Carbohydrates I *Burak Durmaz*	Independent Learning	Medical Biology DNA and RNA Technologies *Selma Yılmaz*	Medical Biochemistry Biosynthesis of Carbohydrates II *Burak Durmaz*	Medical Biochemistry Biosynthesis of Fatty Acids and Regulation *Burak Durmaz*
10.40 - 11.30	Medical Biology DNA and RNA Technologies *Selma Yılmaz*	Independent Learning	Medical Biology DNA and RNA Technologies *Selma Yılmaz*	Medical Biochemistry Biosynthesis of Carbohydrates II *Burak Durmaz*	Biophysics What is Biophysics? Sub-branches of Biophysics *Murat Özgören*
11.40 - 12.30	Medical Biology DNA and RNA Technologies *Selma Yılmaz*	Independent Learning	Independent Learning	Independent Learning	Biophysics Physical Sizes, SI Unit System *Murat Özgören*
12.40 - 13:30	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Biophysics Measurement and Measurability *Murat Özgören*
13:40 - 14:30	Elective	Independent Learning	Elective	Independent Learning	Biophysics Biophysical Systems and Models *Murat Özgören*
15:00 - 15:50		Independent Learning		Independent Learning	Independent Learning
16:00 - 16:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

	30 March	31 March	1 April	2 April	3 April
08.40 - 09.30	**Biophysics** **Biophysical Systems and Models** *Murat Özgören*	**Independent Learning**	**Medical Biology** **DNA and RNA Technologies** *Selma Yılmaz*	**Independent Learning**	**Medical Biochemistry** **Biosynthesis of Nucleotides I** *Özlem Dalmızrak*
09.40 - 10.30	**Biophysics** **Electrical Signal Recording** *Murat Özgören*	**Biophysics** **Introduction to Thermodynamics-Thermodynamic Rules** *Murat Özgören*	**Medical Biology** **DNA and RNA Technologies** *Selma Yılmaz*	**Biochemistry** **Biosynthesis of Lipids** *Burak Durmaz*	**Medical Biochemistry** **Biosynthesis of Nucleotides I** *Özlem Dalmızrak*
10.40 - 11.30	**Medical Biology** **DNA and RNA Technologies** *Selma Yılmaz*	**Biophysics** **Introduction to Thermodynamics-Thermodynamic Rules** *Murat Özgören*	**Biophysics** **Diffusion of Molecules from Cell Membrane** *Murat Özgören*	**Biochemistry** **Biosynthesis of Lipids** *Burak Durmaz*	**Medical Biochemistry** **Biosynthesis of Nucleotides II** *Özlem Dalmızrak*
11.40 - 12.30	**Medical Biology** **DNA and RNA Technologies** *Selma Yılmaz*	**Independent Learning**	**Biophysics** **Osmosis of Molecules from Cell Membrane** *Murat Özgören*	**Independent Learning**	**Medical Biochemistry** **Biosynthesis of Nucleotides II** *Özlem Dalmızrak*
13:00 - 13:50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**
14:00 - 14:50	**Elective**	**Independent Learning**	**Elective**	**Independent Learning**	**Independent Learning**
15:00 - 15:50		**Independent Learning**		**Independent Learning**	**Independent Learning**
16:00 - 16:50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

	6 April	7 April	8 April	9 April	10 April
08.40 - 09.30	Biophysics Membrane Model and Origin of Potential *Murat Özgören*	Independent Learning	Independent Learning	Independent Learning	Independent Learning
09.40 - 10.30	Biophysics Properties of Excitable Membranes *Murat Özgören*	Biophysics Kinetics of Ion exchange, Ion Channels *Murat Özgören*	Biophysics Mechanism of Radiation Damage *Murat Özgören*	Medical Biochemistry Biosynthesis of Amino Acids and Nitrogenous Compounds *Özlem Dalmızrak*	Medical Biochemistry Biosynthesis of Amino Acids and Nitrogenous Compounds *Özlem Dalmızrak*
10.40 - 11.30	Medical Biology Prenatal Diagnosis *Selma Yılmaz*	Biophysics Basics of Radiation Biophysics *Murat Özgören*	Biophysics Mechanism of Radiation Damage *Murat Özgören*	Medical Biochemistry Biosynthesis of Amino Acids and Nitrogenous Compounds *Özlem Dalmızrak*	Medical Biochemistry Biosynthesis of Amino Acids and Nitrogenous Compounds *Özlem Dalmızrak*
11.40 - 12.30	Medical Biology Prenatal Diagnosis *Selma Yılmaz*	Independent Learning	Independent Learning	Independent Learning	Independent Learning
13:00 - 13:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning
14:00 - 14:50	Elective	Independent Learning	Elective	Independent Learning	Independent Learning
15:00 - 15:50		Independent Learning		Independent Learning	Independent Learning
16:00 - 16:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

	13 April	14 April	15 April	16 April	17 April
08.40 - 09.30	Medical Biology	Independent Learning	Medical Biology	Independent Learning	Independent Learning
09.40 - 10.30	LAB APPLICATIONS	Biophysics Imaging Techniques *Murat Özgören*	LAB APPLICATIONS	Medical Genetics Gene Therapy and Genome Editing *Aybike Erdoğan Atay*	Medical Genetics Gene Mapping *Aybike Erdoğan Atay*
10.40 - 11.30		Biophysics Imaging Techniques *Murat Özgören*		Medical Genetics Gene Therapy and Genome Editing *Aybike Erdoğan Atay*	Medical Genetics Gene Mapping *Aybike Erdoğan Atay*
11.40 - 12.30		Independent Learning		Independent Learning	Independent Learning
13:00 - 13:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning
14:00 - 14:50	Elective	Independent Learning	Elective	Independent Learning	Independent Learning
15:00 - 15:50		Independent Learning		Independent Learning	Independent Learning
16:00 - 16:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

	20 April	21 April	22 April	23 April	24 April
08.40 - 09.30	Independent Learning	Medical Genetics DNA Profiling and Forensic Genetics *Aybike Erdoğan Atay*	Independent Learning	PUBLIC HOLIDAY	Medical Biology PROBLEM BASED LEARNING
09.40 - 10.30	Histology and Embryology Cell Death Mechanisms *Gözde Öğütçü*	Medical Genetics DNA Profiling and Forensic Genetics *Aybike Erdoğan Atay*	Histology and Embryology Stem Cells, Regenerative Medicine *Gizem Söyler*		
10.40 - 11.30	Histology and Embryology Cell Death Mechanisms *Gözde Öğütçü*	Histology and Embryology Introduction to Embryology *Gizem Söyler*	Histology and Embryology Stem Cells, Regenerative Medicine *Gizem Söyler*		
11.40 - 12.30	Independent Learning	Histology and Embryology Introduction to Embryology *Gizem Söyler*	Independent Learning		
13:00 - 13:50	Independent Learning	Independent Learning	Independent Learning	PUBLIC HOLIDAY	Independent Learning
14:00 - 14:50	Elective	Independent Learning	Elective		Independent Learning
15:00 - 15:50		Independent Learning			Independent Learning
16:00 - 16:50	Independent Learning	Independent Learning	Independent Learning		Independent Learning

	27 April	28 April	29 April	30 April	1 May
08.40 - 09.30	Medical History **What is Medicine?** *Nesrin Çobanoğlu*	Medical History **Hippocratic Medicine** *Nesrin Çobanoğlu*	Medical History **ContemporaryScientific Medicine and Features of the 20th Century Medicine** *Nesrin Çobanoğlu*	Medical Biology **PROBLEM BASED LEARNING**	**PUBLIC HOLIDAY**
09.40 - 10.30	Medical History **What is Medical Research Methodology?** *Nesrin Çobanoğlu*	Medical History **Medieval Medicine** *Nesrin Çobanoğlu*	Medical History **History of Turkish Medicine** *Nesrin Çobanoğlu*		
10.40 - 11.30	Medical History **Prehippocratic Medicine** *Nesrin Çobanoğlu*	Medical History **Islamic Medicine** *Nesrin Çobanoğlu*	Medical History **History of Turkish Medicine** *Nesrin Çobanoğlu*		
11.40 - 12.30	Independent Learning	Independent Learning	Independent Learning		
13:00 - 13:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	**PUBLIC HOLIDAY**
14:00 - 14:50	**Elective**	Independent Learning	**Elective**	Independent Learning	
15:00 - 15:50		Independent Learning		Independent Learning	
16:00 - 16:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	

	4 May	5 May	6 May	7 May	8 May
08.40 - 09.30	Biophysics Sensation and Perception *Murat Özgören*	Medical Biochemistry Posttranslational Modification of Proteins and targetting *Özlem Dalmızrak*	Biochemistry Posttranslational Modification of Proteins and targetting *Özlem Dalmızrak*	Independent Learning	Independent Learning
09.40 - 10.30	Biophysics Sensation and Perception *Murat Özgören*	Medical Biochemistry Posttranslational Modification of Proteins and targetting *Özlem Dalmızrak*	Biochemistry Protein turnover and significance *Özlem Dalmızrak*	Physiology Membrane Transport Mechanisms *Günnur Koçer*	Physiology Action Potentials and Graded Potentials *Günnur Koçer*
10.40 - 11.30	Physiology Introduction to Physiology, Homeostasis and Physiological Control *Günnur Koçer*	Biophysics Sleep and Consciousness States: Biophysical Foundations *Murat Özgören*	Biophysics Biophysics and Interdisciplinary Areas *Murat Özgören*	Physiology Signaling Molecules and Cellular Receptors *Günnur Koçer*	Physiology Action Potentials and Graded Potentials *Günnur Koçer*
11.40 - 12.30	Physiology Water and Body Fluids Compartments, Osmosis *Günnur Koçer*	Biophysics Sleep and Consciousness States: Biophysical Foundations *Murat Özgören*	Biophysics The Future of Medicine in Terms of Biophysics *Murat Özgören*	Physiology Signaling Molecules and Cellular Receptors *Günnur Koçer*	Independent Learning
13:00 - 13:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning
14:00 - 14:50	Elective	Independent Learning	Elective	Independent Learning	Independent Learning
15:00 - 15:50		Independent Learning		Independent Learning	Independent Learning
16:00 - 16:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

	11 May	12 May	13 May	14 May	15 May
08.40 - 09.30	Independent Learning	Independent Learning	4TH INTERNATIONAL MEDICAL STUDENT CONGRESS	4TH INTERNATIONAL MEDICAL STUDENT CONGRESS	4TH INTERNATIONAL MEDICAL STUDENT CONGRESS
09.40 - 10.30	Independent Learning	Independent Learning			
10.40 - 11.30	Independent Learning	Independent Learning			
11.40 - 12.30	Independent Learning	Independent Learning			
13:00 - 13:50	Independent Learning	Independent Learning	4TH INTERNATIONAL MEDICAL STUDENT CONGRESS	4TH INTERNATIONAL MEDICAL STUDENT CONGRESS	4TH INTERNATIONAL MEDICAL STUDENT CONGRESS
14:00 - 14:50	Elective	Independent Learning			
15:00 - 15:50		Independent Learning			
16:00 - 16:50	Independent Learning	Independent Learning			

	18 May	19 May	20 May	21 May	22 May
08.40 - 09.30					**PHASE I** **IVth Committee Exam** *(time will be anounced)*
09.40 - 10.30					
10.40 - 11.30					
11.40 - 12.30					

13:00 - 13:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	**PHASE I** **IVth Committee Exam** *(time will be anounced)*
14:00 - 14:50	Elective	Independent Learning	Elective	Independent Learning	
15:00 - 15:50		Independent Learning		Independent Learning	
16:00 - 16:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	