T. C. ISTANBUL OKAN UNIVERSITY
FACULTY OF DENTISTRY
2026-2027 ACADEMIC YEAR

FACULTY: ISTANBUL OKAN UNIVERSITY FACULTY OF MEDICINE

COURSE CODE and TITLE: DENT117 MEDICAL BIOLOGY AND GENETICS

LECTURER: ASSIST. PROF. DR. HİLAL EREN GÖZEL

CLASS: 1st CLASS

SEMESTER: FALL AND SPRING SEMESTER (1-2. SEMESTER)

DERS GÜNÜ: THURSDAY

TIME: 11.00 - 12.50

WEEK	DATE	DENT117 MEDICAL BIOLOGY AND GENETICS COURSE TITLES	LECTURER
WEEK 1	24.09.2026	Introduction to Medical Biology	Assist. Prof. Dr. Hilal Eren Gözel
WEEK 2	01.10.2026	Cellular Structures, Organelles and Cytoskeleton	Assist. Prof. Dr. Müge Atış Ceylan
WEEK 3	08.10. 2026	Cell Membrane and Membrane Transport	Assist. Prof. Dr. Hilal Eren Gözel
WEEK 4	15.10. 2026	Introduction to Nucleic Acids	Assist. Prof. Dr. Aslı Karacan Konrat
WEEK 5	22.10. 2026	DNA Replication	Assist. Prof. Dr. Aslı Karacan Konrat
WEEK 6	29.10.2026	Holiday	
WEEK 7	05.11. 2026	Transcription	Assist. Prof. Dr. Müge Atış Ceylan
WEEK 8	12-19.11. 2026	EXAM WEEK	
WEEK 9	26.11.2026	Transcriptional Regulation	Assist. Prof. Dr. Hilal Eren Gözel
WEEK 10	03.12.2026	Posttranscriptional Regulation	Assist. Prof. Dr. Hilal Eren Gözel
WEEK 11	10.12.2026	Genetic Codes, Protein Synthesis	Assist. Prof. Dr. Müge Atış Ceylan
WEEK 12	17.12.2026	Posttranslational Modifications	Assist. Prof. Dr. Müge Atış Ceylan
WEEK 13	24.12.2026	Mutations, Mutagenesis	Assist. Prof. Dr. Aslı Karacan Konrat
WEEK 14	31.12.2026-07.01.2027	1ST MID-TERM EXAM	

	11.01-29.01.2027	SEMESTER HOLIDAY

WEEK	DATE	DENT117 MEDICAL BIOLOGY AND GENETICS COURSE TITLES	LECTURER
WEEK 1	**04.02.2027**	**Chromosome Abnormalities and Disorders** Lab1: Lab. Safety and essential Equipment	Assist. Prof. Dr. Aslı Karacan Konrat
WEEK 2	**11.02.2027**	**Cell Cycle Regulation & Cell Division** Lab2: Micropipette Usage and Basic Pipetting Techniques	Assist. Prof. Dr. Müge Atış Ceylan
WEEK 3	**18.02.2027**	**DNA Repair Mechanisms** Lab3: Microscopic Examination of Mitotic Stages	Assist. Prof. Dr. Hilal Eren Gözel
WEEK 4	**25.02.2027**	**Cell Death Regulation** Lab4: DNA Isolation	Assist. Prof. Dr. Hilal Eren Gözel
WEEK 5	**04.03.2027**	**Human Genome Organisation** Lab5: PCR Application in Molecular Diagnosis	Assist. Prof. Dr. Aslı Karacan Konrat
WEEK 6	**08.03-12.03.2027**	**Holiday**	
WEEK 7	**18.03.2027**	**Mendelian Genetics and Inheritance Patterns** Lab6: Electrophoresis Application in Molecular Diagnosis	Assist. Prof. Dr. Aslı Karacan Konrat
WEEK 8	**22.03-02.04. 2027**	**2ND MID-TERM EXAM – PRACTICAL LAB EXAM**	
WEEK 9	**08.04.2027**	**Non-Mendelian Genetics**	Assist. Prof. Dr. Müge Atış Ceylan
WEEK 10	**15.04.2027**	**Genetic Diseases**	Assist. Prof. Dr. Hilal Eren Gözel
WEEK 11	**22.04.2027**	**Cancer Genetics**	Assist. Prof. Dr. Hilal Eren Gözel
WEEK 12	**29.04.2027**	**Immunology**	Assist. Prof. Dr. Aslı Karacan Konrat
WEEK 13	**06.05.2027**	**Immunogenetics**	Assist. Prof. Dr. Aslı Karacan Konrat
WEEK 14	**13.05.2027**	**Epigenetics**	Dr. Öğr. Üyesi Müge Atış Ceylan
		Holiday	
16. HAFTA	**24.05-31.05.2027**	**FINAL EXAM WEEKS**	

		RESIT EXAM WEEKS