

School of Medicine University of Mostar academic year 2025-2026
Department of Medical Genetics

Week I						
Day	Teaching time	Theme		Teaching type	Classroom	Professor
Monday, 3.11.2025.	14:30-16:00	Introduction to Medical Genetics		L1,2		Božo Šušak
	16:00-17:30	Mendel		L3,4		Božo Šušak
	17:30-19:45	DNA analysis		L5,6		Božo Šušak
Tuesday, 4. 11.2025.	14:00-16:15	Chromosomes. Techniques of DNA analysis		S1,2		Božo Šušak
	16:30-18:00	RNA genes and RNAi		L7,8		Božo Šušak
	18:00-20:00	Introduction to Cytogenetics laboratory Primers construction for genetic testing Bioinformatics (databases search and OMIM)		E1,2,3		E1 Maja Barbarić, E2 and E3 Una Glamočlija – on line
Wednesday, 5. 11.2025.	14:00-16:15	Carcinogenesis and frequent genetic factors		S3,4		Maja Barbarić
	16:30-18:45	Genes and molecular mechanisms in background of human diseases		S5,6		Maja Barbarić
	19:00-20:30	Mutations and aberrations		L9,10		Una Glamočlija - on line
Thursday, 6. 11.2025.	14:00-15:30	Genomics and Human Genome Project		L11,12		Božo Šušak
	15:30-17:00	Pharmakogenetics		L13,14		Božo Šušak
	17:30-19:00	Functional genomics and proteomics		L15,16		Božo Šušak
Friday, 7. 11.2025.	14:00-16:15	Mitochondrial inheritance and human development		S7,8		Maja Barbarić
	16:30-18:00	Genetic background of congenital anomalies		S9,10		Maja Barbarić

	18:00-19:30	Epigenetics		L17,18		Božo Šušak
		Week II				
Monday, 10. 11.2025.	16:00-17:30	Gene therapy. Genetically modified organisms (GMO)		L19,20		Una Glamočlija on line
	17:30-19:45	Ethics in genetics		S11,12		Una Glamočlija on line
	14:00 – 14.45	Relativity, probability, Bayes theorem		E4		Maja Barbarić
	19:45-20:30	Cloning, transgenic animals, gene therapy		E5		Una Glamočlija on line