

ISTINYE UNIVERSITY
FACULTY OF SCIENCE AND LETTERS
DEPARTMENT OF MOLECULAR BIOLOGY AND GENETICS

1st SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
	General Biology I	3	2	6	TR/EN
	General Chemistry	3	1	4	TR/EN
	Mathematics	3	0	4	TR/EN
	Turkish Language I	2	0	2	TR
	English I	12	0	14	EN
	Total	23	3	30	
2nd SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
	General Biology II	3	2	6	TR/EN
	Fundamental Physics	3	0	4	TR/EN
	Linear Algebra	3	0	4	TR/EN
	Turkish Language II	2	0	2	TR
	English II	12	0	14	EN
	Total	23	2	30	
3rd SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
	Organic Chemistry I	2	0	4	TR/EN
	Introduction to Computer Sciences	3	0	4	TR/EN
	Cell Biology	3	3	8	TR/EN
	Ataturk's Principles and History of Turkish Revolution I	2	0	2	TR
	Evolution and Biodiversity	2	0	3	TR/EN
	English III	4	0	4	EN
	Manifest of Istinye	0	0	1	TR/EN
	Elective Course (Social Sciences)	2/3	0	4	TR/EN
	Total	18/19	3	30	
4th SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
	Ataturk's Principles and History of Turkish Revolution II	2	0	2	TR
	Fundamentals of Genetics	3	0	5	TR/EN
	Microbiology	3	3	6	TR/EN
	Biostatistics	2	0	4	TR/EN
	English IV	4	0	4	EN
	Manifest of Istinye	0	0	1	TR/EN
	Organic Chemistry II	2	0	4	TR/EN
	Elective Course (Social Sciences)	2/3	0	4	TR/EN
	Total	18/19	3	30	

5th SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
	Biochemistry I	3	3	8	TR/EN
	Biophysics	3	0	4	TR/EN
	Genetic Engineering and Biotechnology	3	0	4	TR/EN
	Physiology	3	0	5	TR/EN
	Professional English I	4	0	4	EN
	Manifest of Istinye	0	0	1	TR/EN
	Modern Techniques in Molecular Biology	3	0	4	TR/EN
	Total	19	3	30	
6th SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
	Biochemistry II	3	3	8	TR/EN
	Molecular Genetics	3	0	5	TR/EN
	Molecular Biology of the Cell I	3	3	8	TR/EN
	Professional English II	4	0	4	EN
	Manifest of Istinye	0	0	1	TR/EN
	Department Elective Course	3	0	5	TR/EN
	Total	16	6	31	
7th SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
	Scientific Research Methodology	2	0	4	TR/EN
	Molecular Biology of the Cell II	3	3	8	TR/EN
	Bioinformatics	3	0	5	TR/EN
	Department Elective Course	3	0	5	TR/EN
	Department Elective Course	3	0	5	TR/EN
	Total	14	3	27	
8th SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
	Final Project	2	8	15	TR/EN
	Labor Law and Occupational Health Safety	2	0	2	TR
	Technical Elective Course	3	0	5	TR/EN
	Department Elective Course	3	0	5	TR/EN
	Department Elective Course	3	0	5	TR/EN
	Total	14	8	32	

DESCRIPTION

T: Theoric

P: Practice

ECTS: European Credit Transfer System