

List of courses:

Professor/Lecturer	Course Title	Hours
<b>1<sup>st</sup> year</b>		
COMPULSORY COURSES		
Tarzan Legović	Biostatistics	20
Dunja Leljak-Levanić, Sofia Ana Blažević	Scientific Research Methodology	20
ELECTIVE COURSES		
Maria Špoljar, Marko Miliša, Mirela Sertić Perić	Ecosystem Trophic Levels and Energy Flow	20
Vladimir Hršak, Zlatko Mihaljević	Biological Evaluation and Protection of Terrestrial and Aquatic Ecosystems	20
Goran Klobučar, Mirjana Pavlica, Tvrtko Smital, Vera Garaj-Vrhovac	Biomarkers in Environmental Pollution Biomonitoring	20
Perica Mustafić	Principles of Conservation Biology	20
Tatjana Bakran-Petricioli	Ecology of Marine Habitats	20
Mirta Tkalec, Željka Vidaković- Cifrek	Interactions between Plants and the Environment	20
Zlatko Liber, Zlatko Šatović	Analysis of Genetic Diversity	20
Višnja Besendorfer, Biljana Balen	Cell Organisation and Function	20
Đurđica Ugarković , Branka Bruvo-Mađarić, Martina Podnar Lešić	Molecular Evolution	20
Dijana Škorić	Molecular Diversity of Viruses and Subviral Pathogens	20
Zoran Tadić	Integrative Physiology	20
Mary Sopta	Regulatory Mechanisms in Transcription	20
<b>2<sup>nd</sup> year</b>		
ELECTIVE COURSES		
<i>Molecular basis of physiological processes</i>		
Dunja Leljak-Levanić, Snježana Mihaljević	Plant Embryogenesis	15

Gordana Rusak	Phenols in Plant Defence Response	15
Sandra Radić Brkanac, Željka Vidaković-Cifrek	Mechanisms of Plant Stress Responses	15
Mirna Ćurković Perica	Biological and Hormonal Control of Plant Diseases	15
Martina Šeruga Musić, Dijana Škorić	Plant-Pathogen Molecular Interactions	15
Oliver Vugrek, Jelena Knežević	'Omics' Research: Application in Disease Detection and Analysis	15
Silva Katušić Hećimović	Genetics of Neurodegenerative Disease	15
Anamaria Brozović	Cell Response to Genotoxic Agents	15
Gordan Lauc, Olga Gornik, Sanja Dabelić	Glycobiology	
Dubravka Hranilović	Molecular Basis of Behavioural Disorders	15
Dubravka Švob Štrac	Experimental and Molecular Neuropharmacology	15
Anita Sujoldžić	Biological Foundations of Communication	15
Feodora Stipoljev	Methods of Human Cell Cultivation in the Diagnosis of Chromosomal and Genetic Disorders	15
Krešo Bendelja	Mechanisms of Innate Immunity	15
Alenka Gagro	Immunoregulation	15
Dubravko Forčić, Krešo Bendelja,	Immunobiology of Vaccines	15
Mariastefania Antica	T Lymphocyte Development and Differentiation	15
Katja Gotovac, Anđelko Vidović, Krešo Bendelja	Immunobiology of Stress	15
<i>Ecology</i>		
Zrinka Ljubešić	Ecology and Taxonomy of Marine Phytoplankton	15
Biserka Primc, Ines Radanović, Renata Matoničkin Kepčija, Maria Špoljar	Biological Classification of Freshwaters, Distribution and Functional Organization of Communities	15
Anđelka Plenković-Moraj	Algae in the Biological Valorisation of Freshwater Ecosystems	15
Sanja Gottstein, Ivančica Ternjej, Zlatko Mihaljević	Invertebrate Ecology of Aquatic Ecotones	15
Jasna Lajtner, Ivana Maguire	Invasive Freshwater Invertebrates	15

Perica Mustafić	Ecology and Systematics of Fishes	15
Jasna Hrenović	Biological Wastewater Treatment	15
Božena Mitić, Sven Jelaska	Invasive Plant Species	15
Tarzan Legović	Ecological Modelling	
Goran Kovačević	Symbioses	15
<i>Genetics and genomics</i>		
Branka Janičijević, Marijana Peričić Salihović, Lovorka Barać Lauc,	Molecular Anthropology	15
Nina Smolej Narančić, Tatjana Škarić-Jurić, Natalija Novokmet, Saša Missoni, Matea Zajc Petranović,	Anthropology – Human Population Biology	15
Helena Četković, Andreja Mikoč	Determination and Analyses of DNA Primary Structure	15
Miroslav Plohl, Nevenka Meštrović, Brankica Mravinac	Non-Coding DNA Sequences in Eukaryotic Genomes	15
Davor Zahradka, Ksenija Zahradka, Ivana Ivančić Baće	Genetic Recombination and DNA Repair	15
Višnja Besendorfer	Organization, Function and Mechanisms of Plant Genome Evolution	15
<i>Biology of tumours</i>		
Verica Garaj-Vrhovac, Nada Oršolić	Mutagens and Antimutagens	15
Rano Stojković, Nada Oršolić, Siniša Ivanković	Animal Model Systems in Experimental Oncology	15
Maja Herak Bosnar, Neda Slade	Tumour Cell Biology	15
Ivica Rubelj	Molecular Mechanisms of Cell Growth Control and Carcinogenesis	
Sonja Levanat	Signalling Pathways in the Cell (Oncogenes and Tumour Suppressors)	10
Andreja Ambriović Ristov	Molecular Basis of Gene Therapy	15
Nada Oršolić	Chemoprevention and Biotherapy of Tumours	15
Vlatka Zoldoš	Epigenetics	15