

Professor / Lecturer	Course Title	Hours (Lectures / Seminars / Exercises)
1st year (7 ECTS)		
<i>COMPULSORY COURSES</i>		
Rosa Karlič, Sven Jelaska	Biostatistics	10+0+10
Dunja Leljak-Levanić, Sofia Ana Blažević	Scientific Research Methodology	15+5+0
<i>ELECTIVE COURSES</i>		
Maria Špoljar, Marko Miliša, Mirela Sertić Perić	Trophic Level and Energy Flow in Ecosystem	15+5+0
Antun Alegro, Zlatko Mihaljević	Biological Evaluation and Conservation of Terrestrial and Freshwater Ecosystems	15+5+0
Goran Klobučar, Mirjana Pavlica, Tvrtko Smital, Nevenka Kopjar	Biomarkers in Environmental Pollution Biomonitoring	10+2+8
Perica Mustafić	Principles of Conservation Biology	10+5+5
Tatjana Bakran-Petricioli	Ecology of Marine Habitats	10+10+0
Mirta Tkalec, Željka Vidaković-Cifrek	Interactions of Plants and the Environment	10+5+5
Zlatko Liber, Zlatko Šatović	Analysis of Genetic Diversity	10+10+0
Višnja Besendorfer, Biljana Balen	Cell Organisation and Function	10+10+0
Đurđica Ugarković, Branka Bruvo-Madžarić, Martina Podnar-Lešić	Molecular Evolution	15+5+0
Dijana Škorić	Molecular Diversity of Viruses and Subviral Pathogens	15+5+0
Zoran Tadić	Integrative Physiology	15+5+0
Maja Matulić	Mechanisms of Cell Regulation	10+5+0
2nd year (6 ECTS)		
<i>ELECTIVE COURSES</i>		
Molecular basis of physiological processes		
Dunja Leljak-Levanić, Snježana Mihaljević	Plant Embryogenesis	5+4+6
Gordana Rusak	Phenols in Plant Defense Response	0+8+7
Sandra Radić Brkanac, Željka Vidaković-Cifrek	Mechanisms of Plant Responses to Stress	0+8+7
Mirna Ćurković Perica	Biological and Hormonal Control of Plant Diseases	0+7+8
Martina Šeruga Musić, Dijana Škorić	Plant-Pathogen Molecular Interactions	4+3+8
Oliver Vugrek, Jelena Knežević	'omics' research: Application in disease detection and analysis	6+0+9
Alenka Gagro	Immunoregulation	8+4+3
Silva Katušić Hećimović	Molecular Biology of Neurodegenerative Disorders	10+5+0
Anamaria Brozović	Cell Response to Genotoxic Agents	7+4+4

Olga Gornik, Sanja Dabelić, Toma Keser	Glycobiology	6+3+6
Dubravka Hranilović	Molecular Basis of Behavioral Disorders	4+3+8
Dubravka Švob Štrac	Experimental and Molecular Neuropharmacology	4+6+5
Anita Sujoldžić	Biological Foundations of Communication	10+5+0
Feodora Stipoljev	Human Cell Cultivation Techniques in Diagnostics of Chromosomal and Genetic Diseases	5+5+5
Krešo Bendelja	Mechanisms of Innate Immunity	8+3+4
Dubravko Forčić, Krešo Bendelja	Immunobiology of Vaccines	10+5+0
Mariastefania Antica	T Lymphocyte Differentiation	8+3+4
Katja Gotovac, Anđelko Vidović, Krešo Bendelja	Immunobiology of Stress	6+5+2
Ecology		
Zrinka Ljubešić	Ecology and Taxonomy of Marine Phytoplankton	7+8+0
Ines Radanović, Renata Matoničkin Kepčija, Maria Špoljar	Biological Classification of Freshwaters, Distribution and Functional Organization of Communities	0+5+10
Božena Mitić, Sven Jelaska	Invasive Plants	8+2+0+5
Marija Gligora Udovič	Algae in Biological Valorisation of Freshwater Ecosystems	10+5+0
Sanja Gottstein, Ivančica Ternjej, Zlatko Mihaljevič	Invertebrate Ecology of Aquatic Ecotones	0+9+6
Jasna Lajtner, Ivana Maguire	Invasive Species of Freshwater Invertebrates	0+5+10
Perica Mustafić	Ecology and Systematics of Fishes	10+3+2
Jasna Hrenović	Biological Wastewater Treatment	5+10+0
Sunčica Bosak, Zrinka Ljubešić	Marine Microbial Ecology	10+5+0
Goran Kovačević	Symbioses	10+5+0
Genetics and genomics		
Marijana Peričić Salihović, Lovorka Barać Lauc	Molecular Anthropology	0+15+0
Tatjana Škarić-Jurić, Natalija Novokmet	Anthropology - Human Biological Variation	4+11+0
Helena Četković, Kristijan Vlahoviček	DNA Sequencing and Sequence Analysis	4+3+8
Miroslav Plohl, Nevenka Meštrović, Brankica Mravinac	Non-coding DNA Sequences in Eukaryotic Genomes	6+6+3
Davor Zahradka, Ksenija Zahradka, Ivana Ivančić Baće	Genetic Recombination and DNA Repair	3+6+6
Višnja Besendorfer	Organization, Function and Mechanisms of Plant Genome Evolution	2+5+8
Vlatka Zoldoš	Epigenetics	8+2+5
Nataša Bauer, Vjekoslav Tomaić	Functional genomics methods	5+2+8
Biology of tumours		
Nada Oršolić	Mutagens and Antimutagens	7+4+4
Ranko Stojković, Nada Oršolić, Siniša Ivanković	Rodent Animal Models in Experimental Oncology	10+2+3

Maja Herak Bosnar, Neda Slade	Tumour Cell Biology	8+2+5
Ivica Rubelj	Molecular Mechanisms of Cell Growth Control and Carcinogenesis	15+0+0
Petar Ozretić	Signal Transduction Pathways (Oncogenes and Tumor Suppressors)	8+2+5
Andreja Ambriović Ristov	Molecular Basis of Gene Therapy	10+5+0
Nada Oršolić	Chemoprevention and Biotherapy of Tumours	6+3+6
Petra Korać	Molecular Diagnostics of Neoplasms	5+5+5