**Incoming student mobility**

**Name of UNIOS University Unit: \_\_\_\_\_Department of Biology\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**COURSES OFFERED IN FOREIGN LANGUAGE**

**FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS**

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| **Department or Chair within the UNIOS Unit**  | **Department of Biology** |

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| **Study program**  | **BA in Biology** |

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| **Study level** | **Undergraduate (bachelor)**  |

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| **Course title** | **Toxicology** |
| **Course code (if any)** | **BBZ46** |
| **Language of instruction** | **English** |
| **Brief course description** | In this course students will study basic concepts and principles of toxicological sciences in which they will be able to review its multidisciplinary nature and significance of basic biological principles in toxicological research. Lecture topics include: Introduction and the historical development of toxicology. Principles of toxicology. Mechanisms of toxicity. Toxicological risk assessment and management. Absorption, distribution and excretion of toxins. Biotransformation of xenobiotics. Toxicokinetics. Acute, subacute, subchronic and chronic toxicity. Chemical carcinogenesis. Genetic toxicology. Developmental toxicology. Imunotoxicology. Toxic effect of pesticides. Toxic effects of metals. Toxic effect of solvents and vapors. Toxic effects of radiation and radioactive substances. Animal and vegetable toxins. Application toxicology. Toxicology of food. Analytical and forensic toxicology. Clinical toxicology. Toxicological legislation. Laboratory exercises: Specific examples from toxicological practice |
| **Form of teaching** | **Lectures, laboratory exercises.** |
| **Form of assessment** | **Written and oral examination.** |
| **Number of ECTS** | **2** |
| **Class hours per week** | **15 hours of lectures + 15 hours of laboratory exercises** |
| **Minimum number of students** | **-** |
| **Period of realization**  | **summer semester**  |
| **Lecturer** | **Dr. Branimir K. Hackenberger, Associate Professor** |