**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** | **Undergraduate university study programme in biology** |

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

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| **Course title** | **Genetic Engineering** |
| **Course code (if any)** | BBO630 |
| **Language of instruction** | **English** |
| **Brief course description** | **To enable students to understand basic concepts and principles of recombinant DNA technology, as well as to get an insight into wide application of this technology.**  **Learning outcomes:**  **1. Knowledge about basic concepts and principles of recombinant DNA technology.**  **2. Ability to compare the principles, procedures and application of basic techniques and methods for gene cloning, transformation of microorganisms for production of recombinant proteins, production of transgenic plants and animals.**  **3. Ability to assess the importance of genetic engineering in biotechnology, medicine and forensics.**  **4. Development of knowledge and skills by using bioinformatics tools and databases relevant to genetic engineering.**  **5. Formed opinion on ethical issues related to the application of genetic engineering.** |
| **Course entry requirements (Preceding courses)** | **/** |
| **Form of teaching** | **Lectures** |
| **Form of assessment** | **Written and oral examination** |
| **Number of ECTS** | **2** |
| **Class hours per week** | **30 hours lecture in total** |
| **Minimum number of students** | **Minimum 10 students**  **IMPORTANT!**  **Elective courses will be held depending on current Curriculum and if enough students enroll the course.** |
| **Period of realization** | **winter semester** |
| **Lecturer** | Rosemary Vuković, Ph.D. , Assistant Professor |