**Incoming student mobility**

**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** | Graduate University Study Programme in Biology |

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| **Study level** | **Graduate (master)** |

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| **Course title** | **Molecular Mechanism of Oxidative Stress** |
| **Course code (if any)** | **BMZ75** |
| **Language of instruction** | **English** |
| **Brief course description** | **To enable students to understand the mechanisms of oxidative stress at molecular, subcellular and cellular levels and to develop students' skills required for experimental work by selection of appropriate analytical methods.**  **Learning outcomes:**  **1. Ability to assess the mechanisms of oxidative stress at molecular, subcellular and cellular level.**  **2. Ability to critically analyse basic scientific findings about oxidative stress mechanisms.**  **3. Acquired knowledge about principles of dynamic bonds between biochemical response and structural changes caused by oxidative stress.**  **4. Ability to analyse processes involved in the antioxidant response.**  **5. Ability to organise an experiment by selecting appropriate methods and techniques to test selected issues and hypotheses.** |
| **Course entry requirements (Preceding courses)** | Biochemistry 1 |
| **Form of teaching** | **lectures, laboratory exercises** |
| **Form of assessment** | **Written and oral examination** |
| **Number of ECTS** | **2** |
| **Class hours per week** | **15 hours lecture + 15 hours practices in total** |
| **Minimum number of students** | **Minimum 5 students**  **IMPORTANT!**  **Elective courses will be held depending on current Curriculum and if enough students enroll the course.** |
| **Period of realization** | **winter semester** |
| **Lecturer** | **Selma Mlinarić**  **Lidija Begović** |