**Incoming student mobility**

**UNIOS University Unit: Faculty of Agrobiotechnical Sciences Osijek**

**COURSES OFFERED IN FOREIGN LANGUAGE**

**FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS**

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| **Department within the Faculty of Agrobiotechnical Sciences Osijek** | **Department of Plant Production and Biotechnology** |

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| **Study program** | **Digital Agriculture** |

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| **Study level** | **Graduate (Master)** |

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| **Course title** | **Information technology and plant breeding** |
| **Course code (if any)** | **ICT-E-39** |
| **Language of instruction** | **English** |
| **Brief course description** | Introduction to basic principles of plant breeding, governing the basic selection methods and phenotyping principles.  Learning about the role of ICT phenotyping in controlled environments and field trials using the high throughput and simple plant phenotyping platforms. Basic biological understanding of phenotype – genotype linkage.  Basic principles and application of electrophoresis methods in plant breeding. Gel imaging analysis. |
| **Form of teaching** | **Lecture and exercise** |
| **Form of assessment** | **Oral exam, continuous assessment, practical work** |
| **Number of ECTS** | **3** |
| **Class hours per week** | **3** |
| **Minimum number of students** | **5** |
| **Period of realization (semester)** | **Summer semester** |
| **Lecturer** | **Sonja Petrović**  **Sonja Vila** |