**Incoming student mobility**

**Name of UNIOS University Unit: FACULTY OF CIVIL ENGINEERING OSIJEK**

**COURSES OFFERED IN FOREIGN LANGUAGE**

**FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS**

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| **Department or Chair within the Faculty** | **Department of Technical Mechanics** |

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| **Study program** | **Graduate University Studies of Civil Engineering** |

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| **Study level** | ***2nd cycle*** |

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| **Course title** | **STRUCTURAL DYNAMICS** |
| **Course code** | **2.05 – 205** |
| **Language of instruction** | **English** |
| **Course description** | Dynamic equilibrium of structures. Response of a single degree of freedom system to dynamic excitation: free vibration, harmonic loads, pulses and earthquakes. Response spectra. Response of multi-degree of freedom systems. Seismic behavior of buildings and the basis of seismic building codes. |
| **Form of teaching** | **Lecture, Practice** |
| **Form of assessment** | **Exam, Coursework assignment** |
| **Number of ECTS** | **4,00** |
| **Class hours per week** | **4** |
| **Minimum number of students** | **5** |
| **Period of realization** | ***Winter semester*** |
| **Lecturer** | **Ivica Guljas, associate professor** |