



Courses in English for Erasmus+ exchange students

2023/ 2024



UNIVERSITY OF ŽILINA
Faculty of Civil
Engineering

Erasmus ID Code

SK ZILINA01

PIC CODE

999969606

OID

E10209360

Erasmus+ contacts

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<https://bit.ly/3v9fTJi>

Bc. Degree

Winter Semester

| Course content | Course Title | Study programme | ECTS | Department | Language |
|-------------------------|---|------------------------------|------|------------|----------|
| 4BIA101 | Mathematics 1 | Civil Engineering Structures | 7 | DoSM | English |
| 4BIA102 | Building Materials | Civil Engineering Structures | 5 | DoSB | English |
| 4BIA103 | Geology a Geomorphology | Civil Engineering Structures | 5 | DoGtc | English |
| 4BIA104 | Descriptive Geometry | Civil Engineering Structures | 4 | DoSM | English |
| 4BIA105 | Urban Planning 1 | Civil Engineering Structures | 4 | DoBEUP | English |
| 4BIA106 | Mathematical Seminar 1 | Civil Engineering Structures | 2 | DoSM | English |
| 4BIA302 | Principle of Design of Structures | Civil Engineering Structures | 4 | DoSB | English |
| 4BIA303 | Strength and Elasticity 1 *basic knowledge of static principles is required 4BIA204 | Civil Engineering Structures | 6 | DoSM | English |
| 4BIA304 | Soil Mechanics | Civil Engineering Structures | 6 | DoGtc | English |
| 4BIA305 | Foreign Language 1 | Civil Engineering Structures | 2 | IoLL | English |
| 4BIA307 | Chapters of Building Structures 1 | Civil Engineering Structures | 5 | DoBEUP | English |
| 4BIA306 | Engineering Networks | Civil Engineering Structures | 3 | DoBEUP | English |
| 4BIA501 | Road Engineering 1 | Civil Engineering Structures | 5 | DoHE | English |
| 4BIA502 | Transport Engineering 1 | Civil Engineering Structures | 5 | DoHE | English |
| 4BIA503 | Railway Engineering 1 | Civil Engineering Structures | 5 | DoRE | English |
| 4BIA504 | Engineering Geology 1 | Civil Engineering Structures | 5 | DoGtc | English |
| 4BIA509 | Economy in Building Industry 1 | Civil Engineering Structures | 5 | DoCM | English |
| 4BIA505 | Geodesy 2 | Civil Engineering Structures | 5 | DoGds | English |
| 4BIA506 | Timber Structures 1 *basic knowledge of static principles is required 4BIA204 | Civil Engineering Structures | 5 | DoSB | English |
| 4BIA507 | Masonry Structures 1 *basic knowledge of static principle is required 4BIA204 | Civil Engineering Structures | 5 | DoSB | English |

Summer Semester

| Code | Course Title | Study programme | ECTS | Department | Language |
|-------------------------|---|------------------------------|------|------------|----------|
| 4BIA201 | Physics | Civil Engineering Structures | 5 | DPH | English |
| 4BIA202 | Mathematics 2 | Civil Engineering Structures | 7 | DoSM | English |
| 4BIA203 | Hydromechanics and Hydrology | Civil Engineering Structures | 5 | DoGtc | English |
| 4BIA204 | Statics of Structures 1 | Civil Engineering Structures | 7 | DoSM | English |
| 4BIA205 | Physical Seminar | Civil Engineering Structures | 2 | DPH | English |
| 4BIA206 | Urban Planning 2 | Civil Engineering Structures | 4 | DoBEUP | English |
| 4BIA207 | Mathematical Seminar 2 | Civil Engineering Structures | 2 | DoSM | English |
| 4BIA401 | Foundation of Structures 1 | Civil Engineering Structures | 5 | DoGtc | English |
| 4BIA402 | Foreign Language 2 | Civil Engineering Structures | 3 | IoLL | English |
| 4BIA403 | Geodesy 1 | Civil Engineering Structures | 5 | DoGds | English |
| 4BIA406 | Concrete Structures 1 *basic knowledge of static principles is required 4BIA204 | Civil Engineering Structures | 5 | DoSB | English |
| 4BIA407 | Steel Structures 1 | Civil Engineering Structures | 5 | DoSB | English |
| 4BIA408 | Hydrotechnical Structures | Civil Engineering Structures | 5 | DoGtc | English |
| 4BIA409 | CAD 1 | Civil Engineering Structures | 2 | DoRE | English |
| 4BIA410 | Environment Protection and Safety and Protection at Work | Civil Engineering Structures | 2 | DoHE | English |
| 4BIA411 | Computer Programming 1 | Civil Engineering Structures | 3 | DoGtc | English |
| 4BIA604 | Construction Preparation and Management | Civil Engineering Structures | 5 | DoCM | English |
| 4BIA605 | Bridges | Civil Engineering Structures | 5 | DoSB | English |
| 4BIA609 | Construction of Technologies 1 - Building Engines and Mechanization | Civil Engineering Structures | 5 | DoCM | English |
| 4BIA606 | Road Engineering 2 | Civil Engineering Structures | 5 | DoHE | English |

* for more information about the course content, click on the code

MSc. Degree

Winter Semester

| Code | Course Title | Study programme | ECTS | Department | Language |
|-------------------------|--|------------------------------|------|------------|----------|
| 4IIA101 | Applied Mathematics | Civil Engineering Structures | 5 | DoSM | English |
| 4IIA105 | Foundation of Structures 2 | Civil Engineering Structures | 5 | DoGtc | English |
| 4IIA182 | Strength and Elasticity 2 | Civil Engineering Structures | 5 | DoSM | English |
| 4IIA102 | Concrete Structures 2 *basic knowledge of concrete design structures is required | Civil Engineering Structures | 5 | DoSB | English |
| 4IIA103 | Steel Structures 2 *basic knowledge of steel design structures is required | Civil Engineering Structures | 5 | DoSB | English |
| 4IIA104 | Building Structures Information System (BSIS) | Civil Engineering Structures | 5 | DoCM | English |
| 4IIA107 | Transportation Engineering 2 | Civil Engineering Structures | 5 | DoHE | English |
| 4IIA108 | Designing, Construction and Reconstruction of Railways | Civil Engineering Structures | 5 | DoRE | English |
| 4IIA109 | Railway Transport Technology | Civil Engineering Structures | 5 | DoRE | English |
| 4IIA116 | Mechanics of Pavements | Civil Engineering Structures | 5 | DoHE | English |
| 4IIA186 | Finite Methods of Mechanics | Civil Engineering Structures | 5 | DoSM | English |
| 4IIA187 | Engineering Geology 2 | Civil Engineering Structures | 5 | DoGtc | English |
| 4IIA303 | EIA - Environmental Impact Assessment | Civil Engineering Structures | 4 | DoHE | English |
| 4IIA304 | Quality Management | Civil Engineering Structures | 5 | DoCM | English |
| 4IIA305 | Semestral Project of Engineering Structures and Transport Constructions 2 | Civil Engineering Structures | 2 | DoHE | English |
| 4IIA307 | Reconstruction and Maintenance of Transport Structures | Civil Engineering Structures | 5 | DoCM | English |
| 4IIA301 | Transport Construction Management System | Civil Engineering Structures | 5 | DoCM | English |
| 4IIA302 | Management of Experiments | Civil Engineering Structures | 4 | DoCM | English |
| 4IIA308 | Airports | Civil Engineering Structures | 5 | DoCM | English |
| 4IIA309 | Urban Engineering | Civil Engineering Structures | 5 | DoHE | English |
| 4IIA312 | Underground Constructions 2 | Civil Engineering Structures | 5 | DoGtc | English |
| 4IIA313 | Steel Bridges 2 *basic knowledge of steel design structures is required | Civil Engineering Structures | 5 | DoSB | English |
| 4IIA314 | Concrete Bridges 2 *basic knowledge of concrete design structures is required | Civil Engineering Structures | 5 | DoSB | English |
| 4IIA317 | Semestral project of Geographical Information Systems | Civil Engineering Structures | 2 | DoGds | English |
| 4IIA386 | Steel and Concrete Composite Structures *basic knowledge of design of concrete structures is required | Civil Engineering Structures | 5 | DoSB | English |
| 4IIA311 | Foreign Language B | Civil Engineering Structures | 3 | IoLL | English |

Summer Semester

| Code | Course Title | Study programme | ECTS | Department | Language |
|-------------------------|---|------------------------------|------|------------|----------|
| 4IIA204 | Concrete Bridges 1 | Civil Engineering Structures | 5 | DoSB | English |
| 4IIA205 | Steel Bridges 1 | Civil Engineering Structures | 5 | DoSB | English |
| 4IIA206 | Underground Constructions 1 | Civil Engineering Structures | 5 | DoGtc | English |
| 4IIA210 | Semestral Project of Engineering Structures and Transport Constructions 1 | Civil Engineering Structures | 2 | DoHE | English |
| 4IIA203 | Geographical Information Systems | Civil Engineering Structures | 5 | DoGtc | English |
| 4IIA207 | Engineering Geodesy | Civil Engineering Structures | 5 | DoGds | English |
| 4IIA208 | Planning and Modeling of Traffic Infrastructure | Civil Engineering Structures | 5 | DoHE | English |
| 4IIA211 | Semestral Project of Urban Roads 1 | Civil Engineering Structures | 2 | DoHE | English |
| 4IIA212 | Urban Roads 1 | Civil Engineering Structures | 4 | DoHE | English |
| 4IIA214 | Theory of Modelling | Civil Engineering Structures | 5 | DoHE | English |
| 4IIA215 | Diagnostics of Road Constructions | Civil Engineering Structures | 4 | DoHE | English |
| 4IIA284 | Stability and Plasticity of Structures | Civil Engineering Structures | 5 | DoSM | English |
| 4IIA287 | Reliability of Structures | Civil Engineering Structures | 3 | DoSB | English |

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|-------------------------|-----------------------------------|------------------------------|---|------|---------|
| 4IIA481 | Experimental Analysis | Civil Engineering Structures | 4 | DoSM | English |
| 4IIA213 | Foreign Language A | Civil Engineering Structures | 3 | IoLL | English |
| 4IIA403 | Management of Investment Projects | Civil Engineering Structures | 5 | DoCM | English |
| 4IIA408 | Economy of Civil Engineering | Civil Engineering Structures | 5 | DoCM | English |
| 4IIA404 | Combined Transport | Civil Engineering Structures | 3 | DoRE | English |
| 4IIA405 | Personal Management | Civil Engineering Structures | 4 | DoCM | English |
| 4IIA406 | Intelligent Transport Systems | Civil Engineering Structures | 5 | DoHE | English |
| 4IIA407 | Law of Civil Engineering 2 | Civil Engineering Structures | 3 | DoHE | English |
| 8SJZŠ | Slovak course | | 2 | | Slovak |

* for more information about the course content, click on the code