

**LIST OF COURSES**  
**of "CONSTRUCTION" department**

| №  | Course  | credits<br>(ECTS) | Educational Programs |                                  |
|----|---|-------------------|----------------------|----------------------------------|
|    |   |                   | Civil<br>engineering | Architecture and Urban<br>design |
| 1  | INTRUDUCTION TO CIVIL ENGINEERING                 | 2                 | V                    |                                  |
| 2  | ENGINEERING DRAWING                               | 6                 | V                    | V                                |
| 3  | MECHANICS OF MATERIALS                            | 6                 | V                    |                                  |
| 4  | SURVEYING   | 8                 | V                    |                                  |
| 5  | CAD FOR CIVIL ENGINEERS                           | 6                 | V                    |                                  |
| 6  | CONSTRUCTION MATERIALS AND<br>EXPERIMENTS         | 3                 | V                    |                                  |
| 7  | CONSTRUCTION MACHINES                             | 2                 | V                    |                                  |
| 8  | ENGINEERING GEOLOGY                               | 1                 | V                    |                                  |
| 9  | ARCHITECTURE OF CIVIL AND INDUSTRIAL<br>BUILDINGS | 6                 | V                    |                                  |
| 10 | APPLIED CAD FOR CIVIL ENGINEERS                   | 6                 | V                    |                                  |
| 11 | CONSTRUCTION MATERIALS                            | 2                 | V                    | V                                |
| 12 | REINFORCED CONCRETE AND STONE<br>STRUCTURES       | 4                 | V                    |                                  |
| 13 | ARCHITECTURAL CONSTRUCTIONS                       | 5                 |                      | V                                |
| 14 | STRUCTURAL MECHANICS                              | 3                 | V                    |                                  |
| 15 | ORGANIZATION AND PLANNING OF<br>CONSTRUCTION      | 2                 | V                    |                                  |
| 16 | HYDRAULIC ENGINEERING                             | 3                 | V                    |                                  |
| 17 | WOOD AND COMPOSITE STRUCTURES                     | 2                 | V                    |                                  |
| 18 | CONSTRUCTION MANAGEMENT                           | 3                 | V                    |                                  |
| 19 | ENGINEERING EQUIPMENT IN ARCHITECTURE             | 2                 |                      | V                                |
| 20 | CONSTRUCTION OF HIGH-RISE BUILDINGS               | 2                 | V                    |                                  |
| 21 | CONSTRUCTION SAFETY                               | 2                 | V                    |                                  |
| 22 | CONSTRUCTION ECONOMICS AND<br>ESTIMATING          | 3                 | V                    |                                  |
| 23 | CONSTRUCTION PROJECT                              | 2                 | V                    |                                  |
| 24 | SEISMIC RESISTANCE OF BUILDINGS AND<br>STRUCTURES | 2                 | V                    |                                  |
| 25 | ENERGY EFFICIENCY OF BUILDINGS                    | 2                 | V                    |                                  |
| 26 | ROAD ENGINEERING AND UNDERGROUND<br>STRUCTURES    | 3                 | V                    |                                  |
| 27 | THEORETICAL MECHANICS                             | 2                 | V                    |                                  |
| 28 | MODERN BUILDING TECHNOLOGY                        | 3                 | V                    |                                  |
| 29 | CONSTRUCTION PHYSICS                              | 2                 | V                    |                                  |
| 30 | ARCHITECTURAL PHYSICS                             | 2                 |                      | V                                |
| 31 | CONSTRUCTION CODE                                 | 2                 | V                    | V                                |
| 32 | STEEL STRUCTURE ENGINEERING                       | 4                 | V                    |                                  |
| 33 | ELECTRICAL ENGINEERING AND POWER<br>SUPPLY        | 3                 | V                    |                                  |
| 34 | ENGINEERING COMMUNICATIONS AND<br>HEATING SYSTEM  | 3                 | V                    |                                  |
| 35 | WATER AND WASTEWATER ENGINEERING                  | 3                 | V                    |                                  |