



MOBILITY MAPS

<https://info-mobility.univ-tech.eu/en/>

EUROPEAN UNIVERSITY OF TECHNOLOGY

EU+ EUROPEAN MASTER LABEL CERTIFICATE

Awarded to **AAAA**

Delivered by Technical University of Cartagena, Technical University of Cluj-Napoca, Technical University of Sofia, University of Technology of Troyes, and University of Cassino and Southern Lazio

Diploma code reference XXXXXXXX. EUT+ label reference EUT-UTT-M-2025-XXXX

Name of Degree

Awarded on date

| | | | | |
|---|---|---|---|---|
| Mathieu Kessler Neyer Rector Technical University of Cartagena | Vasile Topa Rector Technical University of Cluj-Napoca | Georgi Venkov Rector Technical University of Sofia | Christophe Collet President University of Technology of Troyes | Marco Dell'isola Rector University of Cassino and Southern Lazio |
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**EUROPEAN VALUES
EMPOWERING TECHNOLOGY**

Mobility maps

3rd Semester

| Technical University of Cluj-Napoca | | | Cyprus University of Technology | | |
|--|----------------|------|--|----------------|------|
| Courses | Semester | ECTS | Courses | Semester | ECTS |
| Mechanics II | 3 | 5 | | | |
| Materials Strength I | 3 | 6 | Strength of Materials CIV 222 | 3 | 5 |
| Numerical Methods | 3 | 4 | | | |
| Topography | 3 | 5 | Geodesy I CIV 131 | 1 | 5 |
| Technical Drawings and Infographics II | 3 | 3 | Technical Drawings and CAD CIV 113 | 1 | 5 |
| Hydraulics | 3 | 4 | Hydraulics CIV 224 | 3 | 5 |
| Fire Safety | 3 | 2 | | | |
| Foreign Languages | 3 | 1 | | | |
| Dynamics of Constructions | 5 | 5 | Structural Dynamics CIV 322 | 5 | 5 |
| Civil Engineering Management 1 | 5 | 3 | Project Management and Economics CIV 312 | 5 | 4 |
| Romanian as foreign language A1 / Romanian as foreign language A2 | Spring or Fall | 2 | LCE 660/661/662 Greek Language and Culture Course I / LCE 660/661/662 Greek Language and Culture Course II / LCE 660/661/662 Greek Language and Culture Course III | Spring or Fall | 4 |

3rd Semester

| Technical University of Cluj-Napoca | | | Technical University of Dublin | | |
|--|----------------|------|---|----------------|------|
| Courses | Sem. | ECTS | Courses | Sem. | ECTS |
| Mechanics II | 3 | 5 | Mechanics | 1 | 5 |
| Materials Strength I | 3 | 6 | Mechanics of Materials 1 + Mechanics of Materials 2 | 3 | 5+5 |
| Numerical Methods | 3 | 4 | Engineering Mathematics | 5 | 5 |
| Topography | 3 | 5 | Engineering Surveying 1 | 3 | 5 |
| Technical Drawings and Infographics II | 3 | 3 | Technical Graphics | 1 | 5 |
| Constructions Hydraulics | 3 | 4 | Civil Engineering Hydraulics 1 | 5 | 5 |
| Fire Safety | 3 | 2 | - | | |
| Foreign Languages | 3 | 1 | - | | |
| Dynamics of Constructions | 5 | 5 | - | | |
| Civil Engineering Management 1 | 5 | 3 | - | | |
| Romanian as foreign language | Spring or Fall | 2 | Irish Cultural Studies / English for Academic Purposes | Spring or Fall | 5 |

3rd Semester

| Technical University of Cluj-Napoca | | | Riga Technical University | | |
|--|----------------|------|--|----------|------|
| Courses | Semester | ECTS | Courses | Semester | ECTS |
| Mechanics II | 3 | 5 | Structural Analysis | 3 | 6 |
| Materials Strength I | 3 | 6 | | | |
| Numerical Methods | 3 | 4 | | | |
| Topography | 3 | 5 | Basics course of architectural design-1 part | 3 | 5 |
| Technical Drawings and Infographics II | 3 | 3 | | | |
| Hydraulics | 3 | 4 | | | |
| Fire Safety | 3 | 2 | | | |
| Foreign Languages | 3 | 1 | | | |
| Romanian as foreign language A1 / Romanian as foreign language A2 | Spring or Fall | 2 | | | |

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4th Semester

| Technical University of Cluj-Napoca | | University of Applied Sciences Darmstadt | | University of Cassino and Southern Lazio | | | Riga Technical University | | |
|---|----------------|---|-------------|--|----------|------|------------------------------------|----------|------|
| Courses | Semester | Courses | Semester | Courses | Semester | ECTS | Courses | Semester | ECTS |
| Statics and Stability of Constructions I | 4 | | | | | | | | |
| Strength of Materials II | 4 | Engineering Mechanics 2 Code 1210 | 2 | | | | | | |
| Soil Mechanics II | 4 | Laboratory and Field Methods in Geotechnical Engineering Code 3211 | 4 | | | | Basic course of geotechnics-1 part | 2 | 3 |
| Reinforced and Prestressed Concrete I | 4 | Solid Constructions 2 Code 3220 | 4 | CONSTRUCTION TECHNIQUE | 6 | 12 | | | |
| Communication Ways (1 out of 2 electives) | 4 | Traffic Route Engineering Code 3310 | 4 | Design principles for Highways, Railroads and Airports | 6 | 9 | | | |
| Engineering Structures Bridges (1 out of 2 electives) | 4 | | | | | | Road and bridges-1 part | 4 | 3 |
| Thermotechnics of Constructions | 4 | Building Physics Code 3293 | 4 | | | | | | |
| Foreign Languages | 4 | | | | | | | | |
| Topographic Practical Work | 4 | Geodesy 1 Code 3343 | 4 | | | | | | |
| Building Technology I | 6 | Construction Methods 2 Code 3105 | 4 | | | | | | |
| | | Studying in Germany... and liking it (A1 to B2) | Spring/Fall | | | | | | |
| Romanian as foreign language A1 / Romanian as foreign language A2 | Spring or Fall | Deutsch als Fremdsprache für Master-Studierende - Electrical Engineering + Austausch- und international Studierende (From A1.1 to B2.2) | Spring/Fall | | | | | | |

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5th Semester

| Technical University of Cluj-Napoca -point of origin | | | Universita Politechnica de Cartagena | | | |
|--|-------------------|------|--|-------------|------|------------------------------|
| Courses | Semester | ECTS | Courses | Semester | ECTS | Comments |
| Statics and Stability of Constructions II | 5 | 6 | STRENGTH OF MATERIALS/ Material Resistance | 3 | 4.5 | Faculty of Civil Engineering |
| Dynamics of Constructions | 5 | 5 | - | | | |
| Reinforced and Prestressed Concrete II | 5 | 6 | CONSTRUCTION 6. REINFORCED AND PRESTRESSED CONCRETE II | 9 | 3 | Faculty of Architecture |
| Basics of Buildings Design | 5 | 5 | Edification | 7 | 7.5 | |
| Civil Engineering Management I | 5 | 3 | Construction Management | 7 | 4.5 | |
| Timber Structures | 5 | 3 | - | | | |
| Installations for constructions | 5 | 2 | FACILITIES 1 | 5 | 3 | Faculty of Architecture |
| Foundations | 7 | 6 | Geotechnical Works | 5 | 6 | |
| Steel Structures I | 6 | 4 | Metallic Structures | 5 | 6 | |
| Romanian as foreign language A1 / Romanian as foreign language A2 | Spring or Fall | 2 | Spanish Language and Culture (A1 to C2.3) | Spring/Fall | 1.5 | |

| Universita Politechnica de Cartagena | | | |
|--|----------|------|------------------------------|
| Courses | Semester | ECTS | Comments |
| STRENGTH OF MATERIALS/ Material Resistance | 3 | 4.5 | Faculty of Civil Engineering |
| Construcción en Hormigón | 5 | 6 | Faculty of Architecture |
| Sistemas Constructivos I | 5 | 4.5 | Faculty of Architecture |
| Presupuestos y Control Económico I | 7 | 4.5 | Faculty of Architecture |
| INSTALACIONES II | 5 | 6 | Faculty of Architecture |
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Contact us:

Associate Professor Camelia NEGRUTIU
Camelia.NEGRUTIU@dst.utcluj.ro

Assistant Professor Mihaela DUMITRAN
Mihaela.DUMITRAN@ccm.utcluj.ro

