

| Subjects of the First Study Cycle | | | | | | | |
|-----------------------------------|---|----------------|---------|--------------------|---------------|------------|------|
| Subject code | Subject | Subject status | Faculty | Department/section | Year/semester | Fund hours | ECTS |
| 02K07-002 | Theory of plastic deformation | Obligatory | FENS | EM-mm | III/V | 2/2/1 | 6 |
| 02K07-005 | Calibration of phase profiles | Elective | FENS | EM | IV/VII-VIII | 2/1/1 | 5 |
| 02K07-006 | Calibration of simple profiles | Obligatory | FENS | EM | III/VI | 2/1/0 | 2 |
| 02K07-007 | Plastic metal processing I | Obligatory | FENS | EM | III/V | 3/2/0 | 5 |
| 02K07-008 | Plastic metal processing II | Obligatory | FENS | EM | IV/VII | 3/2/1 | 5 |
| 02K07-009 | Processing of metal materials | Obligatory | FENS | EM-mm | III/VI | 3/2/1 | 5 |
| 02K07-010 | Designing the process of plastic processing | Elective | FENS | EM | IV/VII-VIII | 2/1/1 | 5 |
| 02K07-011 | Residual stresses after plastic processing | Elective | FENS | EM-mm | IV/VII-VIII | 2/2/0 | 5 |

FENS – Faculty of Engineering and Natural Sciences, EM – Engineering of Metallurgy, EM-mm- Engineering of Materials metallic materials

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| 02K07-018 | Phenomena of metallurgical processes | Obligatory | FENS | EM | I/I | 4/1/0 | 6 |
| 02K07-019 | Newer processes of metal deformation | Elective | FENS | EM | I/I | 3/1/1 | 6 |
| 02K07-020 | Thermomechanical treatments in metal processing | Elective | FENS | EM | I/I | 3/1/1 | 6 |

| Subjects of the Third Study Cycle (Joint study of technical faculties) | | | | |
|--|----------------|----------|------------|------|
| Subject | Subject status | Semester | Fund hours | ECTS |
| Scaling of grain size in cold metal working | Elective | I/II/III | 20 | 5 |
| Theory of cold plastic deformation | Elective | I/II/III | 20 | 5 |
| Thermomechanical treatments in steel rolling | Elective | I/II/III | 20 | 5 |
| Residual stresses after cold plastic processing | Elective | I/II/III | 20 | 5 |