# C O U R S E  G U I D E  –  s h o r t  f o r m

Academic year 2024 - 2025

| Course name[1] | **MANUFACTURING TECHNOLOGY 3** | | | | | Discipline code | | **4 EPI 06** | |
|---|---|---|---|---|---|---|---|---|---|
| Course type[2] | **DD** | Category[3] | **DI** | Year of study | 4 | Semester | **7** | Number of credit points | **3** |

| Faculty | Material Science and Engineering | Number of teaching and learning hours[4] | | | | | |
|---|---|---|---|---|---|---|---|
| Field | Mechanical Engineering | Total | L | T | LB | P | IS |
| Specialization | EPI | **75** | **28** | **-** | **14** | **-** | **33** |

| Pre-requisites from the curriculum[5] | Compulsory | |
|---|---|---|
| | Recommended | |

| | |
|---|---|
| General objective [6] | Development of professional skills in the field of manufacturing technologies of conventional and composite materials by welding or casting and non-conventional technologies for their processing |
| Specific objectives[7] | Adequate and effective use of basic knowledge, criteria and methods specific to the field of mechanical engineering |
| Course description[8] | The discipline include theoretical and practical information in the field of non-conventional mechanical processing technologies, welding-assembly technologies, composite material manufacturing technologies and casting manufacturing technologies |

| Assessment | | Schedule[9] | | Percentage of the final grade (minimum grade)[10] |
|---|---|---|---|---|
| A. Final assessment form [11] colloquium | Class tests along the semester | % | week | 50 % (minimum 5) |
| | Home works | % | | |
| | Other activities | % | week | |
| | Examination procedures and conditions:<br>1. Subject with open questions, working conditions oral, percent 100 %;<br>2. -, working conditions -, percent %;<br>3. -, working conditions -, percent % | 100 % (minimum 5) | week 14 | |
| B. Seminar | Activity during seminar | | | % (minimum 5) |
| C. Laboratory | Activity during laboratory | | | 50 % (minimum 5) |
| D. Project | Activity during project | | | % (minimum 5) |
| Course organizer | **Lecturer Dumitru-Doru Burduhos-Nergiș, Ph.D., Eng.** | | | |
| Teaching assistants | **Lecturer Dumitru-Doru Burduhos-Nergiș, Ph.D., Eng.** | | | |

[1]Course name from the curriculum
[2] DF – fundamental, DD – in the field, DS – specialty, DC – complementary (from the curriculum)
[3] DI – imposed, DO –optional, DL – facultative (from the curriculum)
[4] Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)
[5] According to 4.1 – Pre-requisites - from the Course guide – extended form
[6] According to 7.1 from the Course guide – extended form
[7] According to 7.2 from the Course guide – extended form
[8] Short description of the course, according to point 8 from the Course guide – extended form
[9] For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period
[10] A minimum grade might be imposed for some assessment stages
[11] Exam or colloquium