

COURSE GUIDE – short form

Academic year 2017 - 2018

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|--------------------------|---|-----------------------|-----------|---------------|---|-------------------|-----------------|-------------------------|----------|
| Course name ¹ | EQUIPMENT AND INSTALLATIONS FOR HEAT TREATMENT | | | | | Codul disciplinei | 3 EPI 07 | | |
| Course type ² | DS | Category ³ | DI | Year of study | 3 | Semester | 6 | Number of credit points | 3 |

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|----------------|----------------------------------|--|--|--|--|--|---|---|----|---|----|
| Faculty | Material Science and Engineering | | | | | Number of teaching and learning hours ⁴ | | | | | |
| Field | Mechanical Engineering | | | | | Total | L | T | LB | P | IS |
| Specialization | EPI | | | | | 42 | - | - | - | - | |

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

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|----------------------------------|---|
| General objective ⁶ | Heat treatments Heat and thermochemical using laser, plasma, electron beam or other unconventional methods used in materials processing to obtain semi |
| Specific objectives ⁷ | Knowledge, analysis, and design effective and appropriate use of technology and heat treatment equipment in the machinery industry |
| Course description ⁸ | Course content builds premises advanced thermal design technologies, evaluating quantitative and qualitative characteristic phenomena and processes using established methods and criteria in the area of engineering materials processing. |

| Assessment | | Schedule ⁹ | Percentage of the final grade (minimum grade) ¹⁰ |
|-----------------------|--|-----------------------|---|
| Continuous assessment | Class tests along the semester - | week | % |
| | Activity during tutorials/laboratory works/projects/practical work | | 25 % |
| | Assignments - | week | 25 % |
| Final assessment | Final assessment form ¹¹ | - | 50 % (minimum 5) |
| | Examination procedures and conditions: 1. - ; tasks - ; working conditions - ; percent %; 2. - ; tasks - ; working conditions - ; percent %; 3. - ; tasks - ; working conditions - ; percent %; | | |

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| Course organizer | Viorel Grancea |
| Teaching assistants | Simona BĂLȚATU |

¹Course name from the curriculum

² DF – fundamental, DID – 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