

COURSE GUIDE – short form

Academic year 2024 - 2025

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|--------------------------|---|-----------------------|-----------|---------------|-----------------|----------------|----------|-------------------------|----------|
| Course name ¹ | INVENTICS - BASE OF TECHNICAL CREATIVITY | | | | Discipline code | SITM IA 208 | | | |
| Course type ² | DA | Category ³ | DI | Year of study | 2 | Semester | 3 | Number of credit points | 5 |

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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 | SITM | | | | 125 | 28 | - | 28 | - | 69 |

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

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|----------------------------------|---|
| General objective ⁶ | The discipline presents innovation and technical creativity methods |
| Specific objectives ⁷ | Knowledge of how to innovate and to write an invention |
| Course description ⁸ | Industrial robots |

| Assessment | | Schedule ⁹ | | Percentage of the final grade (minimum grade) ¹⁰ |
|---|--|-----------------------|-------------|---|
| A. Final assessment form ¹¹ exam | Class tests along the semester | % | | 50 % (minimum 5) |
| | Home works | 10 % | Week 7 | |
| | Other activities | % | | |
| | Examination procedures and conditions: 1. Subject with open questions, working conditions oral, percent 100 %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent % | 90% (minimum 5) | exam period | |
| B. Seminar | Activity during seminar | | | % (minimum 5) |
| C. Laboratory | Activity during laboratory | | | 50 % (minimum 5) |
| D. Project | Activity during project | | | % (minimum 5) |
| Course organizer | Şef lucrări dr. ing. Mădălina Simona Bălţatu | | | |
| Teaching assistants | Şef lucrări dr. ing. Mădălina Simona Bălţatu | | | |

¹Course name from the curriculum

²DF – fundamental, DD – in the field, DS – specialty, DC – complementary (from the curriculum)

³DI – imposed, DO – optional, DL – facultative (from the curriculum)

⁴Points 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)

⁵According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶According to 7.1 from the Course guide – extended form

⁷According to 7.2 from the Course guide – extended form

⁸Short description of the course, according to point 8 from the Course guide – extended form

⁹For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰A minimum grade might be imposed for some assessment stages

¹¹Exam or colloquium