

COURSE GUIDE – short form

Academic year 2017 - 2018

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|--------------------------|---|-----------------------|-----------|---------------|-------------------|------------------|----------|-------------------------|----------|
| Course name ¹ | INDUSTRIAL ROBOTS IN MODERN TECHNOLOGIES | | | | Codul disciplinei | 6 SITM 18 | | | |
| Course type ² | DS | Category ³ | DI | Year of study | 2M | Semester | 3 | Number of credit points | 6 |

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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 | | | | 56 | 28 | - | 28 | - | |

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

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| General objective ⁶ | Development of profesional and transversal competences in regard to design evaluation specific to engineering |
| Specific objectives ⁷ | <ul style="list-style-type: none"> - Development of integration capacity of knowledge based in regard to solve some complex technical issues specific to engineering area - Development of innovation capacity due to rapid change in the market - Development of auto-evaluation capaciyu in regard to successful integration in labor market - Defining concepts, theories and basic methods - usage of basic knowledge in industrial robots design |
| Course description ⁸ | industrial robots, freedom degree, robots kinematics |

| 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 | | 50 % |
| | Assignments - | week | % |
| Final assessment | Final assessment form ¹¹ exam | exam period | 50 % (minimum 5) |
| | Examination procedures and conditions: 1. Subject with open questions ; tasks thematic approach ; working conditions oral; percent 100 %; 2. - ; tasks - ; working conditions -; percent %; 3. - ; tasks - ; working conditions -; percent %; | | |

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| Course organizer | prof.dr.habil.ing. Alina Adriana MINEA | |
| Teaching assistants | sef lucr.dr.ing. Mirabela Minciuna | |

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