

COURSE GUIDE – short form

Academic year 2024-2025

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|--------------------------|------------------|-----------------------|----|---------------|---|-------------|-------------|-------------------------|---|
| Course name ¹ | Mechanics | | | | | Course code | 1.EPI.09.DD | | |
| Course type ² | DD | Category ³ | DI | Year of study | 1 | Semester | 2 | 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 | Equipment for Industrial Processing | 75 | 28 | 14 | - | - | 33 |

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

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|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General objective ⁶ | Students acquire a minimal luggage of engineering knowledge from the field of mechanics |
| Specific objectives ⁷ | Ability to understand the phenomena of mechanical movement and the calculation of some specific dimensions in the modeling of the behavior of points and material bodies in a cinematic and dynamic way. |
| Course description ⁸ | The principles of newtonian mechanics |

| Assesment | | | Schedule ⁹ | Percentage of the final grade (minimum grade) ¹⁰ |
|------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------|
| A. Final assessment form ¹¹ : | Class tests along the semester 2 | 25% | week 3 and 6 | 75% (minimum 5) |
| | Home works | % | | |
| | Other activities | % | | |
| | Exam | Examination procedures and conditions: Probe 1: Subject with open questions ; tasks answer to open questions; working conditions oral; percent 100 %. | 75% (minimum grade 5) | |
| B. Seminar | Activity during seminar | | | 25% (minimum 5) |
| C. Laboratory | Acttvity during laboratory | | | % (minimum 5) |
| D. Project | Activity during project | | | % (minimum 5) |

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| Course organizer | Lecturer Ph.D. Eng. Eugen CORDUNEANU | |
| Teaching assistants | Lecturer Ph.D. Eng. Eugen CORDUNEANU | |

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