

COURSE GUIDE – short form

Academic year 2024-2025

| | | | | | | | | | | |
|--------------------------|-------------------------------|-----------------------|----|---------------|---|-------------|----------------|-------------------------|---|--|
| Course name ¹ | Environment protection | | | | | Course code | 2.ISI.19. DC-1 | | | |
| Course type ² | DS | Category ³ | DO | Year of study | 2 | Semester | 4 | Number of credit points | 2 | |

| | | | | | | | |
|----------------|-----------------------------------|--|----|---|----|---|----|
| Faculty | Materials Science and Engineering | Number of teaching and learning hours ⁴ | | | | | |
| Field | Industrial Engineering | Total | L | T | LB | P | IS |
| Specialization | Security Engineering in Industry | 50 | 28 | - | - | - | 22 |

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

| | |
|----------------------------------|--|
| General objective ⁶ | Acquiring general notions regarding the environment and environmental protection |
| Specific objectives ⁷ | Formation of a systemic thinking for the analysis of the environment and environmental factors, understanding the notions of environmental strategies, evaluating the impact on the environment; • Acquiring the notions of environmental management, sustainable development, natural and industrial systems, environmental management systems |
| Course description ⁸ | Climatic factors, climatic elements, environmental factors, environmental agents; Measurement and monitoring of climatic and environmental factors; General information on pollution and chemical pollution agents; Means of measurement and control of environmental parameters; Environmental management and sustainable development; Natural and industrial systems, environmental management systems, integrated management; Pollution and pollution sources; Water pollution, soil pollution; Atmospheric pollution; Sound and radiation pollution; General information on environmental studies, impact study, environmental assessment, risk study, environmental audit |

| Assesment | | | Schedule ⁹ | Percentage in the final grade (minimum grade) ¹⁰ |
|--|---|------|-----------------------|---|
| A. Final assessment form ¹¹ : Colloquium | Class tests along the semester | % | - | 100% |
| | Home works | % | - | |
| | Other activities | % | - | |
| | Examination procedures and conditions: Probe 1: Oral examination with minimum 2 open questions | 100% | | |
| B. Seminar | Activity during seminar | | | % |
| C. Laboratory | Acttvity during laboratory | | | % |
| D. Project | Activity during project | | | % |

| | |
|---------------------|--|
| Course organizer | Assist. prof. phd. eng. Ioan Gabriel SANDU |
| Teaching assistants | |

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)

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

⁶According 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