

COURSE GUIDE – short form

Academic year 2021-2022

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|--------------------------|---|-----------------------|----|---------------|----|-------------|-----------|-------------------------|---|--|
| Course name ¹ | Control and assurance of quality | | | | | Course code | 4ISI06DID | | | |
| Course type ² | DID | Category ³ | DI | Year of study | IV | Semester | 8 | Number of credit points | 5 | |

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|----------------|--------------------------------------|--|----|----|----|---|----|
| Faculty | Science and Engineering of Materials | Number of teaching and learning hours ⁴ | | | | | |
| Field | Industrial Engineering | Total | L | T | LB | P | IS |
| Specialization | Safety engineering in industry | 120 | 28 | 28 | | | 64 |

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

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|----------------------------------|--|
| General objective ⁶ | Main principles of the quality management; inclusion of those principles into the complex environment of the productive units |
| Specific objectives ⁷ | <ul style="list-style-type: none"> • Identifying quality criteria into industrial engineering field; • Building - up quality documents (basic documents, documents for quality book, etc.) • Solving technical issues in agreement with the whole system. |
| Course description ⁸ | Quality evolution from an attribute to a concept; different ways to look at quality. Quality management, activities and goals. Quality control, control methods in industry engineering, the quality control tools (statistical tools) Maintainability, serviceability, safety in exploitation. |

| Assesment | | | Schedule ⁹ | Percentage in the final grade (minimum grade) ¹⁰ |
|--|--|-----------------|-----------------------|---|
| A. Final assessment form ¹¹ : | Class tests along the semester | % | | 50% (minimum 5) |
| | Home works | 20% | S10 | |
| | Other activities | % | | |
| | Examination procedures and conditions: 1. Close ended questions : 20%; 2. Open ended questions: 40%; Accomplishing an Excel Chart (histogram, Pareto chart or control chart on the computer with predefinite data, 40%. | 80% (minimum 5) | | |
| B. Seminar | Activity during seminar | | | 50% (minimum 5) |
| C. Laboratory | Activity during laboratory | | | % (minimum 5) |
| D. Project | Activity during project | | | % (minimum 5) |

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| Course organizer | conf.dr.ing. Anișoara CORĂBIERU | |
| Teaching assistants | conf.dr.ing. Anișoara CORĂBIERU | |

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