

COURSE GUIDE – short form

Academic year 2018-2019

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	

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					70	28	14			83

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

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)

Course organizer	Lecturer PhD eng. Diana Antonia Gheorghiu	
Teaching assistants	Lecturer PhD eng. Diana Antonia Gheorghiu	

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