

COURSE GUIDE – short form

Academic year 2017-2018

Course name ¹	Statistical Methods used for Industrial Security Analysis					Course code	3ISI06DS			
Course type ²	DS	Category ³	DI	Year of study	3	Semester	2	Number of credit points	5	

Faculty	Materials Science and Engineering	Number of teaching and learning hours ⁴					
Field	Industrial Engineering	Total	L	T	LB	P	IS
Specialization	Industrial Security Engineering	98	28	-	-	28	42

Pre-requisites from the curriculum ⁵	Compulsory	-Mathematics – Number theory,
	Recommended	Algebra, Probabilities-

General objective ⁶	Discipline trains specialists in industrial safety, specific processes, aimed at obtaining information perform tests with applications in materials processing.
Specific objectives ⁷	Knowledge phenomena based industrial engineering, considering aspects of intellectual activity and economic factors.
Course description ⁸	Experimental data interpretation, The laws of frequencies repartition, Nonlinear models, Central compositional rotating programming, Experimentation of statistic hypothesis.

Assessment		Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
Continuous assessment	Class tests along the semester	Week 6,12	20 %
	Activity during tutorials/laboratory works/projects/practical work		30 %
	Assignments		
Final assessment	Final assessment form ¹¹	Exam	50 %
	Examination procedures and conditions: 1. Experimental data interpretation 2. Numerical applications		

Course organizer	Assist Prof PhD. Stefan Lucian Toma
Teaching assistants	Asist. univ. drd. ing. Constantin MIREA

¹Course name from the curriculum

²DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

³DI – imposed, DO –optional, DL – facultative (from the curriculum)

⁴Points 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