

COURSE GUIDE – short form

Academic year 2014-2015

Course name ¹	Structures made of composite materials					Course code	MDET.DI. DS.204		
Course type ²	DS	Category ³	DI	Year of study	2	Semester	3	Number of credit points	4

Faculty	Mechanical Engineering	Number of teaching and learning hours ⁴						
Field	Mechanical Engineering	Total	L	T	LB	P	IS	
Specialization	DETIM	88	14	-	14	-	60	

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	Strength of Materials 1, 2

General objective ⁶	Theoretical fundamentals of composites and structures made of composite materials, criteria for selecting material for a structure, jointing of components from composite materials, principal technologies, the influence of the environment
Specific objectives ⁷	<ul style="list-style-type: none"> Learning the fundamental notions concerning composites design Theory and practice of composites testing Learning the fundamental notions concerning realization of composite structures
Course description ⁸	Composite materials: definition, structure, classification, properties, elasticity, orthotropic, testing; Structures made of composite material : assessment and monitoring; Jointing of components made in composites; Basic Technologies; the influence of the environment

Assessment			Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
Continuous assessment	Class tests along the semester		-	-
	Activity during tutorials/laboratory works/projects/practical work		Week 1-14	20%
	Assignments		Week 1-14	30%
Final assessment	Final assessment form ¹¹	Exam	Exam session	50%
	Examination procedures and conditions: 1. Oral presentation of a case; 2 Tasks: development of topic, followed by questions; 3. Working conditions: duration of approx. 20 min., access to the work developed during the semester; percent of the final grade 100%			

Course organizer	Prof.dr.ing. Barsanescu Paul	
Teaching assistants	S.I.dr.ing. Bogdan Leitoiu	

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)

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

⁶According to 7.1 from the Course guide – extended form

⁷According to 7.2 from the Course guide – extended form

⁸Short 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