COURSE GUIDE - short form

Academic year 2017 - 2018

Course name ¹	COMPUTER PROGRAMMING AND PROGRAMMING LANGUAGES (1)				Codul disciplinei			1 IPM 04		
Course type ²	DF	Category ³	DI	Year of study	1	Semester	1		umber of dit points	6

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴			ng		
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	SM	144	28	-	42	-	74

Pre-requisites from the curriculum ⁵	Compulsory	Not the case
	Recommended	Not the case

General objective ⁶	Initiation of students in understanding, and defining of comcepts, theories and basic methods for managing and use logistic resources and informatic systems (knowing, use, application) in applying the values and ethics of engineer profession, promotion of logical reasoning and practice application by knowing, programing and use of computer, by exemplifying on a Windows platform and a high level programming language
Specific objectives ⁷	There are being cultivated IT abilities by simple task applications programming in engineering.
Course description ⁸	Computer structure; personal computer; serial architecture; hardware; software; operating system - Windows; basises of programming; algorithms; programming language; structured programming; Fortran: intrinsic data type; lexical athoms; expressions; intrinsic procedures; processing instructions; Fortran programms – sequences of simple instructions; execution control; tablesi; functions; subroutines.

	Assessment	Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰	
	Class tests along the semester -			%
Continuous assessment	Activity during tutorials (open que use)		50 %	
	Assignments -	week	%	
	Final assessment form ¹¹	exam	exam period	
Final assessment	Examination procedures and conditions: 1. Subject with closed questions; tasks answer to closed questions; working conditions -; percent 50 %;			50 % (minimum 5)

Course organiz	er Assoc.Prof.Ph.D.Eng. Gheorghe Badarau	
Teaching assistan	Assoc.Prof.Ph.D.Eng. Gheorghe Badarau, Lect.Ph.D.Eng. Vasile Manole,Lect.Ph.D.Eng. Bogdan Pricop, Ph.D.Eng.	
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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 stages¹¹ Exam or colloquium