COURSE GUIDE - short form

Academic year 2017 - 2018

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

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	ı	42	-	74

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

General objective ⁶	Initiation of students in knowing of comcepts, theories and basic methods for materials design using CAD techniques (enunciation, 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 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; basiscs of programming; algorithms; programming language; structured programming; Fortran: intrinsic data type; lexical athoms; expresions; 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)	continuous	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)

С	Course organizer	Assoc.Prof.Ph.D.Eng. Gheorghe Badarau	
Tea	ching assistants	Lect.Ph.D.Eng. Vasile Manole, Lect.Ph.D.Eng. Bogdan Pricop, Tech.Assist.Ph.D.Eng. Ramona Cimpoesu	

¹Course name from the curriculum

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

Formular TUIASI.POB.04-F2, rev.0

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, Pproject, 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