Course name[1]	**Computer programming and programming languages (2)**					Course code		1EPI10DF

Course type[2]	DF	Category[3]	DI	Year of study	1	Semester	2	Number of credit points	5

Faculty	Material Science and Engineering	Number of teaching and learning hours[4]					
Field	Mechanical Engineering	Total	L	T	LB	P	IS
Specialization	Equipments for industrial processes	120	28		28		64

Pre-requisites from the curriculum[5]	Compulsory	- Computer programming and programming languages (1)
	Recommended	- Mathematical analysis

General objective [6]	Knowledge and learning the concept of the probability calculus and mathematical statistics with applications assisted by computerin the industrial engineering. These techniques allow the construction of mathematical models through empirical methods in order to optimize the technological processes in the science of materials and engineering.
Specific objectives[7]	Elements of the probability theory. The probability of random events. Random variables and distributions. Mathematical statistics. Quality, reliability, maintainability and availability of technological equipment through statistical methods.
Course description[8]	Elements of the probability theory. The probability of random events. Random variables and distributions. Mathematical statistics. Quality, reliability, maintainability and availability of technological equipment through statistical methods.

Assessment		Schedule[9]	Percentage of the final grade (minimum grade)[10]
Continuous assessment	Class tests along the semester	Week 7	10%
	Activity during tutorials/laboratory works/projects/practical work	Weekly	20%
	Assignments	Every 2 weeks-	10%
Final assessment	Final assessment form[11] · Colloquium	Before Session	60%
	Examination procedures and conditions: 3 subjects with closed answer the question; working conditions - written response; 30% weight / subject		

Course organizer	Lecturer PhD. Eng. Vasile MANOLE	
Teaching assistants	Lecturer PhD. Eng. Vasile MANOLE	

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[1]Course 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