

COURSE GUIDE – short form

Academic year 2018-2019

Course name	Industrial comfort technique elements					Course code		4EPI12DID	
Course type	DID	Category	DO	Year of study	4	Semester	2	Number of credit points	7

Faculty	Material Science and Engineering	Number of teaching and learning hours						
Field	Mechanical Engineering	Total	L	T	LB	P	IS	
Specialization	Equipment for industrial processing	70	42		28		28	

Pre-requisites from the curriculum	Compulsory	-
	Recommended	-

General objective	In-depth knowledge of the factors influencing human comfort in industrial working conditions in order to identify technical-economic problems and make correct choices for their choice, for different industrial and scientific applications and to put into practice approaches based on coherent scientific arguments regarding the correct operation of parts or assemblies in service, while respecting the requirements of quality engineering.
Specific objectives	Recognize the factors that determine industrial comfort; establish and know how to investigate them. Developing skills for elaborating specific reports and scientific articles.
Course description	General considerations on heat and mass transfer, acoustics in industrial comfort, gases and vapor flow, heat transfer, simultaneously heat and mass transfer complex phenomenas, industrial comfort

Assessment		Schedule	Percentage in the final grade (minimum grade)
A. Final assessment form:	Class tests along the semester	%	50% (minimum 5)
	Home works	%	
	Other activities	%	
	Examination procedures and conditions: 1. Category: theoretical; subject with closed questions; conditions: oral; weight in final grade: 50%; 2. Category: theoretical; subject with closed questions; conditions: oral; weight in final grade: 50%.	100% (minimum 5)	
B. Seminar	Activity during seminar		% (minimum 5)
C. Laboratory	Activity during laboratory		50% (minimum 5)
D. Project	Activity during project		% (minimum 5)

Course organizer	Associate professor dr.eng. Ioan RUSU
Teaching assistants	Associate professor dr.eng. Ioan RUSU