BM5341

Study program / course	e: Mechanical	engineerir	וס			
Type and level of study: Bachelor academic studies						
Course: Heat and mass transfer						
Lecturers: Nebojsa S. Lukic						
Status of course: Obligatory for module M ₄ , V semester						
Number of ECTS: 6						
Precondition: No						
The objective of course						
The main objective of course is introduction with basic principles of heat transfer: conduction, convection, radiation, combined heat transfer, boiling, condensation, process with humid air, theory of refrigeration and heat pumps. Students obtain knowledge of the recent heat exchanger constructions, principles of mass transfer, binary solutions.						
The outcome of course						
Student understands bas capable to apply metho exchanger active areas. power. Also, student is solution). Student can acclimatization) and to h	ods for improv Student is cap open to contro apply his o	ving of he bable to mo l mass tra btained k	at and m easure the nsfer proc nowledge	ass transfer pro defined values ess as distillation	bcess, to calculate hea to obtain a setup hea on (separation of binar	
Syllabus	iouting und rolli	geration p	100055.			
Theoretical study						
Conduction, convectio air, refrigeration and h solutions.				, U	,	
Practical classes						
	Carrying out	of heat an	d mass 1	humid air and	refrigeration practics	
-	Theoretical practice: Carrying out of heat and mass, humid air and refrigeration practical problems. Laboratory practice: Work with real setups of defined issues.					
Recommended reading		x with ica	i setups o			
		AFKG 109	27			
Bojic M., Hnatko E., Thermotechnics, MFKG, 1987. Voronjec D., Basics of process chemistry, MFBG, 1981.						
Ilic G., Radojkovic N., Stojanovic I., Thermodynamic II, MFNI, 1996.						
The number of hours of active teaching: 3+2 per week (total 75) Other classes:						
	ctical classes:	Other for				
3 1.6	teaching:			0	· · ·	
Methods of teaching		icacining.	U.T	0	I	
Lectures using video pre	sentations mul	timedia la	boratory			
Lectures using video pre		valuation o		lσe		
Pre-final exam	point			al exam	points	
obligations	point	ы. С	1.11	ui vauni	Points	
Activities during the	5		Written exam		20	
classes:	~				~ V	
Practical classes:	10		Ver	bal exam	20	
Colloquiums(s) :	45					
Seminar(s) :	-					
Semmar(6).	<u> </u>					