MM2441

Study program / course: Machanical	Enginooring		
The type and level of study Moster a	engineering		
The type and level of study: <b>Master a</b>			
Name objects: Process machines and	l plants		
Teacher: Babic J. Milun	-		
Status: Obligatory for module $M_4$ , I	I semester		
ECTS: 6			
Condition: None			
Aim The subject of "Process machines and sector, state and the public sector, NG calculation, the number and the actual tasks: explore the market in the field of equipment and process plants which a solid material, gas-solid material, liqu examining procedural devices and pro- process plants and appropriate post-sa	I plants" aims to prep O, as well as in the e experiment, and with of process technology re used for treatment id-solid material, liqu cessing plants, dealir les activities.	are future engineers who will work ducation system, to use modern met h the help of computer, perform the r, work study opportunities, design o heterogeneous systems (type: solid hid gas, liquid-liquid, liquid-gas-soli ng with the placement of process equ	in the private hods of following f process material- d material), ipment and
The outcome of the case			
After completing the course, students problems relating to equipment and sy technological operations that are used metal, pharmaceuticals, agriculture, en in agriculture, waterpower engineering <b>Content items</b> <i>Theoretical and practical teaching:</i>	will be able to team estems for mechanica in the following sect ovironmental protecti g, forestry, mining, pr	and independently involved in resol l, hydro-mechanical, heat and diffus ors: processing industry, chemical in on, energy, thermo-techniques, the roduction of the means of transporta	ving ed ndustry, food industry tion
The process machines and plants (PM performance criteria), methods of anal description of the system), methods of models (analytical and numerical meth synthesis PMP (thermo dynamical per analysis), common modes of the PMP environment, optimal methods of man	P) and their analysis lysis and syntheses P obtaining information hods for mathematica formance criteria, the design, exploitation aging the work of PM	and synthesis (specific properties, th MP, mathematical model of PMP (for on about the PMP on the basis of ma al modeling), thermodynamic analys e application of methods thermo dyn and maintenance of PMP, PMP and MP.	ne ormal ithematical is and namical I life
Training: Exercises, other forms of te	aching. Study Resear	ch	
References: 1.Babić M. Manage Energy-environn 2.Voronjec D.: Technological process Number of active teaching	nental projects, script ses, Faculty of Mecha	, 2005; anical Engineering, Belgrade, 1993.	Other classes
Lectures: 2 Exercises: <b>1.6</b> Oth	her forms of teaching	: <b>0.4</b> Study Research: <b>0 1</b>	
Methods of teaching: Interactive class	sroom lectures and e	xercises, creating the so-called two	editorial
seminars and one final work.			
Score of know	ledge (the maximur	n number of points 100)	1
Examination obligations	Points	Final exam	Points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam (presentation of final seminar work)	40
Practical teaching Tests:		Oral exam (presentation of final seminar work)	40