"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI FACULTY OF MACHINE MANUFACTURING AND INDUSTRIAL MANAGEMENT

Field of study: **Industrial Engineering**Programme of Study: **MICROMECHANICAL SYSTEMS**

Conferred title: Master degree Study duration: 4 semesters Form of education: full-time

CURRICULUM

YEAR 1 2019/2020

		. Course name		Se				Sen	neste	er 1						Ser	nest	er 2				
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	No.		Course code	qui	course						Eval		course						i I	i I		
			300.00 0000	Prerec	С	s	L	Р	PA	SI*		K	С	s	L	Р	РΑ	SI*	Eval.	K		
МС	1	Mathematical Basis of Finite Element Method	CFAC, MFA, SMM-IA-101	_	2	1	0	0		78	С	5										
MC	2	Elements of Technological Physics	CFAC, MFA, MTP, SMM-IA-102		2	0	1	0		78	Е	5										
MC	3	Computer Integrated Manufacturing Systems	CFAC,SMM-IA-103		2	0	1	1		112	Е	7										
MC	4	Computer-Aided Modelling and Simulation in Manufacturing Systems	CFAC,SMM-IA-104		2	0	1	1		88	Е	6										
MC	5	Design-Research Laboratory 1	SMM-PA-105						12	0	VP	7										
MC	6	Finite Element Analysis in Mechanical Engineering	CFAC, MFA, SMM-IA-106										2	0	2	0		64	Е	5		
MC	7	Quality and Reliability in Precision Mechanics	SMM-IA-107										2	0	1.5	0		78	C	5		
MC	8	Tooling for Technological Equipment	SMM-IA-108										2	0	1	1		88	Ш	6		
MC	9	Ethics and Integrity	CMMI-IA-111										1	1	0	0		20	C	2		
MC	10	Design-Research Laboratory 2	SMM-PA-112														10	28	VP	7		
ос	11	Concurrent Engineering	SMM-IA-113											2		1.5			78	Е	5	
		Process Equipment for Precision Mechanics	SMM-IA-114														1.5			70	_	
FC	12	Industrial Design	SMM-IA-115		2	0	1	1		88	Е	6										
FC	13	Applications of Advanced Sensors in Precision Mechanics	SMM-IA-116										2		1.5			102	Е	6		
					8	1	3	2	12		3E		8	1	6	1	10		3E			
		Total hours per week, total evaluations					14			356	1C	30		1	6	•	10	356	2C	30		
			and credits per semester		26			1V		/P		26					1VP					

Abbreviation: MC - Mandatory Course; OC - Optional Course; FC - Free Course; SI - Individual (Non Assisted) Study;

PA - Partially Assisted; C - Course; S - Seminary; L - Laboratory; P - Project

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YEAR 2 2020/2021

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MC	1	Methods and Equipment in Experimental Data Analysis	SMM-IA-201		2	0	2	0		112	Е	7								
MC		Bioengineering and Prosthetics	SMM-IA-202		2	0	1.0	0		78	Е	5								
MC	3	Synthesis of Micro Electro-Mechanical Systems	SMM-IA-203		2	0	1	0		102	Е	6								
MC	4	Innovation and Creativity Techniques	SMM-IA-204		1	1				20	С	2								
MC	4	Design-Research Laboratory 3	SMM-PA-205						12	0	VP	7								
MC	5	Professional Practical Training	SMM-PA-206														12	72	VP	10
MC	6	Master's Thesis Elaboration	SMM-PA-207														14	284	VP	20
ос	7	High Performance Hydro-Mechatronics Systems	SMM-IA-208		1	0	1	0		11	44 C	3								
	′	Optimization Techniques and Methods in Precision Mechanics	SMM-IA-209		1 '	U	'	١٠		44 C	44	٦					i !			
FC	8	Computer-Aided Experimental Research	SMM-IA-210		2	0	2	0		88	Е	6								
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МС	9	Master's Thesis Exam	CFAC-ED																Е	10

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