

PLAN DE INVATAMANT

2019-2023; 2020-2024; ~~2021-2025~~

- Studii universitare de licenta -

Domeniul: **INGINERIE MECANICA**

Programul: **INGINERIE MECANICA IN LIMBA ENGLEZA**

Denumire RO **An 3/Sem 5** Ver C S L P ECTS Tip Cat

38	1	UPB.12.T.05.O.001EM	Analiza cu element finit	Finite Element Analysis	E	2		2		4	T	O
39	2	UPB.12.T.05.O.002EM	Termodinamica tehnica	Engineering Thermodynamics	E	2	1	1		5	T	O
40	3	UPB.12.T.05.O.003EM	Mecanica fluidelor	Fluid Mechanics	E	2	1			4	T	O
41	4	UPB.12.T.05.O.004EM	Organe de masini si mecanisme II	Machine Elements & Mechanisms II	E	2		1	2	5	T	O
42	5	UPB.12.T.05.O.005EM	Procedee de fabricatie II	Manufacturing Processes II	C	2		1		3	T	O
43	6	UPB.12.S.05.O.006EM	Proiectare pentru reciclare	Design for recycling	V	2			2	3	S	O
44	7	UPB.12.C.05.O.007EM	Comportarea mecanica a materialelor	Mechanical Behaviour of Materials	E	2	1			4	T	O
45	8	UPB.12.C.05.O.008EM	Moneda si sistem bancar	Money & Banking	C	1	1			2	C	O

TOTAL sem 5: 28 15 4 5 4 30

Denumire RO **An 3/Sem 6** Ver C S L P ECTS Tip Cat

46	1	UPB.12.S.06.O.001EM	Transfer de caldura si masa	Heat & Mass Transfer	E	3	1	1		4	S	O
47	2	UPB.12.S.06.O.002EM	Dinamica masinilor	Dynamics of Machinery	E	2		2		3	S	O
48	3	UPB.12.T.06.O.003EM	Transmisii mecanice	Mechanical Transmissions	E	3		1		3	T	O
49	4	UPB.12.S.06.O.004EM	Calculul structurilor mecanice	Computational Structural Mechanics	E	2	1	1		3	S	O
50	5	UPB.12.T.06.O.005EM	Proiect de Transmisie mecanica	Mechanical Transmissions Project	V				2	2	T	O
51	6	UPB.12.T.06.O.006EM	Practica industriala	Practical Workshop	C					4	T	O
52	7	UPB.12.S.06.O.007EM	Practica industriala	Practical Workshop						4	S	O
53	8	UPB.12.C.06.O.008EM	Administrarea afacerilor	Business Administration	C	1	1			2	C	O
DISCIPLINE OPTIONALE												
54	9	UPB.12.S.06.A.009EM	Masurari mecanice	Mechanical Measurements	E	2		1		2		
		UPB.12.S.06.A.010EM	Sisteme de achizitie și interfete	Instrumentation and measurement	E	2		1		2	S	A
55	10	UPB.12.S.06.A.011EM	Tehnici de analiza si control aplicate in inginerie	Engineering analysis and control technics	V	2		2		3	T	A
		UPB.12.S.06.A.012EM	Aplicatii ale mecanicii fluidelor	Applied Fluid Dynamics (Pumps)	V	2		2		3		

TOTAL sem 6: 28 15 3 8 2 30

TOTAL AN III: 56 30 7 13 6 60

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Denumire RO		An 4/Sem 7	Ver	C	S	L	P	ECTS	Tip	Cat		
56	1	UPB.12.S.07.O.001EM	Instrumente software in ingineria mecanica II	Software Tools for Mechanical Engineering II (thermal design)	C	2		2		4	S	O
57	2	UPB.12.T.07.O.002EM	Tribologie	Tribology	E	2		2		5	T	O
58	3	UPB.12.S.07.O.003EM	Dezvoltarea de produse inovatoare	Design of Innovative Products	V	1			2	3	S	O
59	4	UPB.12.S.07.O.004EM	Aplicatiile nanotehnologiei in ingineria mecanica	Nanotechnology applications in mechanical engineering	E	1			2	3	S	O
60	5	UPB.12.S.07.O.005EM	Masini termice I (Motoare cu ardere interna)	Heat Engines I (Internal Combustion Engines)	E	2		1	2	6	S	O
61	6	UPB.12.T.07.O.006EM	Bazele managementului	Fundamentals of management	C	1	1			2	T	O
DISCIPLINE OPTIONALE												
62	7	UPB.12.T.07.A.007EM	Electronica	Electronics	E	2		1		4	T	A
		UPB.12.T.07.A.008EM	Teoria controlului	Control Theory	E	2		1		4		
63	8	UPB.12.T.07.A.009EM	Procedee de fabricatie avansate si asigurarea calitatii	Advanced Manufacturing Processes and Quality Assurance	E	2		1		3	S	A
		UPB.12.T.07.A.010EM	Optimizari in inginerie mecanica	Optimisations in Mechanical Engine	E	2		1		3		
TOTAL sem 7:					27	13	1	7	6	30		

Denumire RO		An 4/Sem8	Ver	C	S	L	P	ECTS	Tip	Cat		
64	1	UPB.12.S.08.O.001EM	Masini termice II (Turbine & Gen. de abur)	Heat Engines II (Turbines & Steam Generators)	C	2		2		4	S	O
65	2	UPB.12.S.08.O.002EM	Instalatii frigorifice si de conditionare a aerului	Refrigeration and Air Conditioning	C	2	1	2		5	S	O
66	3	UPB.12.S.08.O.003EM	Ingineria mediului	Environmental Engineering	V	2	1			3	S	O
67	4	UPB.12.S.08.O.004EM	Elaborarea proiectului de diploma	Diploma Project	V				8	4	S	O
68	5	UPB.12.S.08.O.005EM	Practica pentru elaborarea proiectului de diploma (60 ore)	Diploma Project Internship	V					6	S	O
69	6	UPB.12.S.08.O.006EM	Compresoare si ventilatoare	Compressors and Fans	V	2			1	3	S	O
70	7	UPB.12.T.08.O.007EM	Actionari hidraulice si pneumatice	Fluid Power Systems	V	2		1		3	T	O
DISCIPLINE OPTIONALE												
71	8	UPB.12.T.08.A.008EM	Management industrial	Industrial Management	V	1	1			2	T	A
		UPB.12.T.08.A.009EM	Managementul proiectelor industriale	Industrial Project Management	C	1		1		2		
TOTAL sem 8:					28	11	3	5	9	30		
TOTAL AN IV:					55	24	4	12	15	60		