

UNIVERSITATEA POLITEHNICA din BUCURESTI  
 FACULTATEA de INGINERIE in LIMBI STRAINE  
 DEPARTAMENTUL DE INGINERIE IN LIMBI STRAINE  
 Domeniul: Inginerie Mecanica

PLAN DE INVATAMANT 2013-2014

INGINERIE MECANICA IN LIMBA ENGLEZA  
 MECHANICAL ENGINEERING

Anul 1 Semestrul 1

Cod	Denumirea cursului	Titular	Grad did.	Ver	C	S	L	P	ECTS	Ore did.	Std.ind.	
UPB.12.1.001.I.EM	Calculus I	Analiza matematica I	prof	dr	E	3	2		6	70	86	
UPB.12.1.002.I.EM	Linear Algebra	Algebra liniara	prof	dr	E	2	2		4	56	48	
UPB.12.1.006.I.EM	Engineering Graphics I	Grafica ingineriasca I			C	1		2	4	42	62	
UPB.12.1.003.I.EM	Chemistry	Chimie generala	conf	dr	E	2	1		3	42	36	
UPB.12.1.004.I.EM	Materials Science I	Stiinta materialelor I	conf	dr	E	2		1	4	42	62	
UPB.12.1.005.I.EM	Introduction to Information Technology	Bazele informaticii	prof em	dr	C	1		2	3	42	36	
UPB.12.1.007.I.EM	Professional Communication	Comunicare profesionala (in lb. engleza) I	conf	dr	C		2		2	28	24	
UPB.12.1.008.O.EM	European Culture & Civilization I	Cultura si Civilizatie Europeana I		dr	C	1	1		2	28	24	
UPB.12.1.009.I.EM	Physical Ed. I	Educatie fizica I	sl	dr	V			2	2	28	24	
UPB.12.1.011.O.EM	Foreign Language b (French/German)	Limba straina b. (Franceza/Germana)			V		2		2	28	24	
UPB.12.1.010.I.EM	Discrete Mathematics	Matematici discrete			E	2	1		3	42	36	
<b>TOTAL sem 1:</b>					<b>27</b>	<b>12</b>	<b>8</b>	<b>7</b>	<b>0</b>	<b>30</b>	<b>378</b>	<b>402</b>

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Anul 1 Semestrul 2

Cod	Denumirea cursului	Titular	Grad did.	Ver	C	S	L	P	ECTS	Ore did.	Std.ind.	
UPB.12.2.001.I.EM	Calculus II	Analiza matematica II	prof	dr	E	3	2		6	70	86	
UPB.12.2.002.I.EM	Physics I	Fizica I	sl	dr	E	2	1	1	5	56	74	
UPB.12.2.003.I.EM	Mechanics I	Mecanica I	sl	dr	E	2	1		3	42	36	
UPB.12.2.004.I.EM	Engineering Graphics II	Grafica ingineriasca II			C	2		2	4	56	48	
UPB.12.2.005.I.EM	Programming Languages	Limbaje de programare	sl	dr	E	1		2	3	42	36	
UPB.12.2.006.I.EM	Materials Science II	Stiinta materialelor II	prof	dr	E	2		1	3	42	36	
UPB.12.2.007.I.EM	Collaborative Work I	Comunicare profesionala (in lb. engleza) II	asist	dr	V		2		2	28	24	
UPB.12.2.008.O.EM	European Culture & Civilization II	Cultura si Civilizatie Europeana II		dr	C	1	1		2	28	24	
UPB.12.2.009.I.EM	Physical Ed. II	Educatie fizica II	sl	dr	V			2	2	28	24	
UPB.12.2.010.O.EM	Foreign Language b (French/German)	Limba straina b. (Franceza/Germana)			V		2		2	28	24	
<b>TOTAL sem 2:</b>					<b>28</b>	<b>13</b>	<b>7</b>	<b>8</b>	<b>0</b>	<b>30</b>	<b>392</b>	<b>388</b>
<b>TOTAL AN I:</b>					<b>55</b>	<b>25</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>60</b>	<b>770</b>	<b>790</b>

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Anul 2 Semestrul 3

Cod		Denumirea cursului	Titular	Grad did.		Ver	C	S	L	P	ECTS	Ore did.	Std.ind.	
UPB.12.3.001.I.EM	Mathematics for Engineers I	Matematici speciale I	PREPELITA Valeriu	prof	dr	E	2	2			5	56	74	
UPB.12.3.002.I.EM	Probabilities & Statistics	Statistica si Probabilitati	PITEA Ariana	prof	dr	C	1	1			2	28	24	
UPB.12.3.003.I.EM	Physics II	Fizica II	NINULESCU Valerica	sl	dr	E	2		1		4	42	62	
UPB.12.3.005.I.EM	Strenght of Materials I	Rezistenta materialelor I	CONSTANTINESCU Dan	prof	dr	E	2	2			4	56	48	
UPB.12.3.004.I.EM	Introduction to Mechanical Engineering	Introducere in ingineria mecanica	CANANAU Sorin	conf	dr	C	1	1	2		5	56	74	
UPB.12.3.007.I.EM	Electrical engineering I	Electrotehnica	STANCULESCU Marilena	sl	dr	C	2	1			2	42	10	
UPB.12.3.006.I.EM	Mechanics II	Mecanica II	STROE Ion	prof	dr	E	2	1			4	42	62	
UPB.12.3.010.I.EM	Collaborative Work II	Comunicare profesionala (in lb)	RADES Lacramioara/ BLANDU Mihaela	conf	dr	C		2			2	28	24	
UPB.12.3.009.I.EM	Microeconomics	Microeconomie	NEAGU Ana Maria	conf	dr	C	1	1			2	28	24	
<b>TOTAL sem 3:</b>							<b>27</b>	<b>13</b>	<b>11</b>	<b>3</b>	<b>0</b>	<b>30</b>	<b>378</b>	<b>402</b>

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Anul 2 Semestrul 4

Cod		Denumirea cursului	Titular	Grad did.		Ver	C	S	L	P	ECTS	Ore did.	Std.ind.	
UPB.12.4.001.I.EM	Mathematics for Engineers II	Matematici speciale II	PREPELITA Valeriu	prof	dr	E	2	2			5	56	74	
UPB.12.4.002.I.EM	Mechanics III	Mecanica III	STROE Ion	prof	dr	E	1	1			2	28	24	
UPB.12.4.003.I.EM	Strenght of Materials II	Rezistenta materialelor II	RUSU Cassandra	conf	dr	E	2	1			3	42	36	
UPB.12.4.005.I.EM	Manufacturing Processes I	Procedee de fabricatie I	ENĂCHESCU Marius	prof	dr	C	2		1		3	42	36	
UPB.12.4.006.O.EM	Electrical engineering II (Electrical machines)	Masini si aparate electrice	MARIN Constantin Viorel/ DROSU Oana	/sl	/ dr	E	2	1			3	42	36	
UPB.12.4.007.I.EM	Machine Elements & Mechanisms I	Organe de masini si mecanisme I	CICONE Traian	prof	dr	E	2		1		4	42	62	
UPB.12.4.004.I.EM	Numerical Methods	Metode numerice	Irina Stanciu	s.l.	dr	C	2	2			3	56	22	
	Software Tools for Mechanical Engineering I (solid body design)	Instrumente software in ingineria mecanica I (design corp solid)	CANANAU Sorin	conf	dr	C	2		1		3	42	36	
UPB.12.4.009.I.EM	Technical writting	Comunicare profesionala (in lb. engleza) IV	RADES Lacramioara/ BLANDU Mihaela	conf	dr	C		2			2	28	24	
UPB.12.4.008.I.EM	Macroeconomics	Microeconomie	NEAGU Ana Maria	conf	dr	C	1	1			2	28	24	
UPB.12.4.010.O.EM	Electrical measurements & Transducers	Masurari electrice si traductoare	GRIGORESCU Sorin/ DROSU Oana	prof/sl	dr	E	3	1			3	56	22	
<b>TOTAL sem 4:</b>							<b>29</b>	<b>16</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>30</b>	<b>406</b>	<b>374</b>
<b>TOTAL AN II:</b>							<b>56</b>	<b>28</b>	<b>21</b>	<b>6</b>	<b>0</b>	<b>60</b>	<b>770</b>	<b>790</b>

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Anul 3 Semestrul 5

Cod		Denumirea cursului	Titular	Grad did.		Ver	C	S	L	P	ECTS	Ore did.	Std.ind.	
UPB.12.5.001.I.EM	Finite Element Analysis	Analiza cu elemente finite	RADES Mircea	prof emerit	dr	E	2		2		4	56	48	
UPB.12.5.002.I.EM	Engineering Thermodynamics	Termodinamica tehnica	COSTEA Monica			E	2	1	1		4	56	48	
UPB.12.5.003.I.EM	Fluid Mechanics	Mecanica fluidelor	BALAN Corneliu	prof	dr	E	2	1			4	42	62	
UPB.12.5.004.I.EM	Control Theory	Teoria controlului	VASILIU Nicolae	prof	dr	C	2	1	1		5	56	74	
UPB.12.5.005.O.EM	Mechanical Behaviour of Materials	Comportarea mecanica a materialor	Gheorghiu Horia			E	2	1			3	42	36	
UPB.12.5.006.I.EM	Machine Elements & Mechanisms II	Organe de masini si mecasme II	CICONE Traian	prof	dr	E	2		1	2	5	70	60	
UPB.12.5.007.I.EM	Manufacturing Processes II	Procedee de fabricatie II	CONSTANTIN George	prof	dr	C	2		1		3	42	36	
UPB.12.5.008.I.EM	Money & Banking	Moneda si sistem bancar	NEAGU Ana Maria	conf	dr	C	1	1			2	28	24	
UPB.12.5.009.O.EM	Electronic Devices & Circuits I	Circuite si componente electronice I	DASCALU Dan			E	2		1		3	42	36	
<b>TOTAL sem 5:</b>							<b>28</b>	<b>15</b>	<b>5</b>	<b>6</b>	<b>2</b>	<b>30</b>	<b>392</b>	<b>388</b>

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 DEPARTAMENTUL DE INGINERIE IN LIMBI STRAINE  
 Domeniul: Inginerie Mecanica

Anul 3 Semestrul 6

Cod		Denumirea cursului	Titular	Grad did.		Ver	C	S	L	P	ECTS	Ore did.	Std.ind.	
UPB.12.6.001.I.EM	Heat & Mass Transfer	Transfer de caldura si masa	MLADIN Emilia Cerna	prof	dr	E	3	1	1		4	70	34	
UPB.12.6.002.I.EM	Dynamics of Machinery	Dinamica masinilor	RADES Mircea	prof emerit	dr	E	2		2		3	56	22	
UPB.12.6.003.I.EM	Mechanical Transmissions	Transmisii mecanice	CICONE Traian	prof	dr	E	3		1		3	56	22	
UPB.12.6.004.O.EM	Mechanical Measurements	Masurari mecanice	SZUDER Andrei			E	2		1		3	42	36	
UPB.12.6.005.I.EM	Applied Fluid Dynamics (Pumps,...)	Aplicatii ale mecanicii fluidelor	BALAN Corneliu	prof	dr	E	2		2		3	56	22	
UPB.12.6.006.I.EM	Computational Structural Mechanics	Calculul structurilor mecanice	CONSTANTIN Nicolae	prof	dr	C	2	1	1		4	56	48	
UPB.12.6.007.I.EM	Mechanical Transmissions Project/ Machine Design Project	Proiect de Transmisie mecanica	CICONE Traian	prof	dr	V				2	2	28	24	
UPB.12.6.008.I.EM	Practical Workshop	Practica industriala				C					6	0	156	
UPB.12.6.009.I.EM	Bussiness Administration	Administrarea afacerilor	NEAGU Ana Maria	conf	dr	C	1	1			2	28	24	
UPB.12.6.010.O.EM	Electronic Devices & Circuits II	Circuite si componente electronice II				E	2		1		3	42	36	
<b>TOTAL sem 6:</b>							<b>28</b>	<b>15</b>	<b>3</b>	<b>8</b>	<b>2</b>	<b>30</b>	<b>392</b>	<b>388</b>
<b>TOTAL AN III:</b>							<b>56</b>	<b>30</b>	<b>8</b>	<b>14</b>	<b>4</b>	<b>60</b>	<b>784</b>	<b>776</b>

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 Domeniul:

Anul 4 Semestrul 7

Cod		Denumirea cursului	Titular	Grad did.		Ver	C	S	L	P	ECTS	Ore did.	Std.ind.	
UPB.12.7.001.O.EM	Software Tools for Mechanical Engineering II (thermal design)	Instrumente software in ingineria mecanica II (design termic)	STANCIU Dorin (NC la DILS)	conf	dr	C	2		2		4	56	48	
UPB.12.7.003.I.EM	Tribology	Tribologie	CICONE Traian	prof	dr	E	2		2		4	56	48	
UPB.12.7.004.I.EM	Advanced Manufacturing Processes and Quality Assurance	Procedee de fabricatie avansate si asigurarea calitatii	SEVERIN Irina			C	2		1		3	42	36	
UPB.12.7.005.I.EM	Design of Innovative Products	Dezvoltarea de produse inovante	STANCIU Camelia/ IONITA Claudia	sl	dr	V	1			2	3	42	36	
UPB.12.7.006.I.EM	Fluid Power Systems	Actionari hidraulice si pneumatice	VASILIU Nicolae	prof	dr	E	2		1		4	42	62	
UPB.12.7.007.I.EM	Electronics	Electronica	CODREANU Norocel	conf	dr	E	2		1		4	42	62	
UPB.12.7.002.I.EM	Heat Engines I (Internal Combustion Engines)	Masini termice I (Motoare cu ardere interna)	CHIRIAC Radu	prof	dr	E	2	1	1	1	6	70	86	
UPB.12.7.008.I.EM	Fundamentals of management	Bazele managementului	STANCIU Radu	prof	dr	C	1	1			2	28	24	
UPB.12.7.009.O.EM	Image Processing	Prelucrarea imaginilor	VERTAN Constantin			C	3		1		4	56	48	
<b>TOTAL sem 7:</b>							<b>27</b>	<b>14</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>30</b>	<b>378</b>	<b>402</b>

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Anul 4 Semestrul 8

Cod		Denumirea cursului	Titular	Grad did.		Ver	C	S	L	P	ECTS	Ore did.	Std.ind.	
UPB.12.8.004.I.EM	Heat Engines II (Turbines & Steam Generators)	Masini termice II (Turbine & Gen. de abur)	BERBECE Viorel			C	2		2		4	56	48	
UPB.12.8.001.I.EM	Refrigeration and Air Conditioning	Refrigerare si conditionarea aerului	DOBROVICESCU Alexandru	prof	dr	C	2	1	2		5	70	60	
UPB.12.8.003.I.EM	Environmental Engineering	Ingineria mediului	PRISECARU Tudor	prof	dr	V	2	1			3	42	36	
UPB.12.8.002.I.EM	Diploma Project	Proiect de licenta				V				8	10	112	148	
UPB.12.8.005.O.EM	Industrial Management	Management industrial	STANCIU Radu	prof	dr	V	1	1			2	28	24	
	Compressors and Fans	Compresoare si ventilatoare	STANCIU Camelia (NC la DILS)	sl	dr	V	2			1	3	42	36	
	Design for recycling	Proiectare pentru reciclare	Volceanov Adrian	prof	dr	V	2			1	3	42	36	
UPB.12.8.006.O.EM	Robotics & Virtual Reality	Robotica si Realitate virtuala	BIUIU Cristian			C	2		1		3	42	36	
<b>TOTAL sem 8:</b>							<b>28</b>	<b>11</b>	<b>3</b>	<b>4</b>	<b>10</b>	<b>30</b>	<b>392</b>	<b>388</b>
<b>TOTAL AN IV:</b>							<b>55</b>	<b>25</b>	<b>5</b>	<b>12</b>	<b>13</b>	<b>60</b>	<b>770</b>	<b>790</b>