

UNIVERSITATEA "LUCIAN BLAGA" DIN SIBIU
"LUCIAN BLAGA" UNIVERSITY OF SIBIU

Facultatea de Inginerie

Faculty of Engineering

Domeniul: Mine, Petrol și Gaze

Main field of study: Mines, Oil and Gas

Specializarea: TRANSPORTUL, DEPOZITAREA ȘI DISTRIBUȚIA HIDROCARBURILOR

Specialization: TRANSPORT, STORAGE AND DISTRIBUTION OF HYDROCARBONS

Titlul absolventului: Inginer / Conferred title: Engineer

Durata studiilor: 4 ani / Duration of studies: 4 years

Forma de învățământ: IF, FR / Form of education: Full-time, part time participation

Valabil / Valid

Începând cu anul universitar 2021-2022
 starting with the academic year 2021-2022
 pentru anul universitar 2021-2022
 for the academic year 2021-2022

PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

ANUL 1 / 1st YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1/ 1st Semester							Semestrul 2/ 2nd Semester							NOSI sem	
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	P	Alte	Ver. Eval.	Cred. Cred.		
1.1	Algebră liniară, geometrie analitică și diferențială / Linear algebra, differential and analytical geometry	FING.IIM.TDDH.L.FO.1.3200.E-5.1	3	2				Examen	5									55
1.2	Teoria probabilităților și statistică matematică / Theory of probabilities and statistics	FING.IIM.TDDH.L.FO.1.1100.C-3.2	1	1				Colocvii	3									47
1.3	Chimie / Chemistry	FING.IIM.TDDH.L.FO.1.2010.E-4.3	2		1			Examen	4									58
1.4	Geometrie descriptivă / Descriptive geometry	FING.IIM.TDDH.L.FO.1.1020.C-3.4	1		2			Colocvii	3									33
1.5	Studiul materialelor / Materials science	FING.IIM.TDDH.L.DO.1.3010.E-5.5	3		1			Examen	5									69
1.6	Programarea calculatoarelor si limbaje de programare 1 / Computer programming and programming languages 1	FING.IIM.TDDH.L.FO.1.2020.E-4.6	2		2			Examen	4									44
1.7	Educație fizica si sport 1 / Physical education and sport 1	FING.IIM.TDDH.L.CA.1.0200.C-2.7		1				Calificativ	1									11
1.8	Limba moderna I 1 / Modern language I 1	Optional 1		2				Colocvii	2									22
1.9	Limba moderna II 1 / Modern language II 1																	
1.10	Economie generala / General economics	Optional 2	2	1				Colocvii	4									58
1.11	Etica si integritate academica / Academic ethics and integrity																	
2.1	Mecanica 1 / Mechanics 1	FING.IIM.TDDH.L.DO.2.2110.E-4.1								2	1	1			Examen	4	44	
2.2	Programarea calculatoarelor si limbaje de programare 2 / Computer programming and programming languages 2	FING.IIM.TDDH.L.FO.2.1020.C-4.2								1		2			Colocvii	4	58	
2.3	Analiza matematica / Mathematical analysis	FING.IIM.TDDH.L.FO.2.2200.E-6.3								2	2				Examen	5	69	
2.4	Desen Tehnic și Infografică / Technical Drawing and Infographics	FING.IIM.TDDH.L.FO.2.2020.C-4.4								2		2			Colocvii	4	44	
2.5	Fizica / Physics	FING.IIM.TDDH.L.FO.2.2020.E-5.5								2		2			Examen	5	69	
2.6	Chimie fizica / Physical chemistry	FING.IIM.TDDH.L.FO.2.2110.E-6.6								2	1	1			Examen	6	94	
2.7	Educație fizica si sport 2 / Physical education and sport 2	FING.IIM.TDDH.L.CO.2.0100.C-4.7									1				Calificativ	1	11	
2.8	Limba moderna I 2 / Modern language I 2	Optional 3									2				Colocvii	2	22	
2.9	Limba moderna II 2 / Modern language II 2																	
			14	7	6				4E+0V+ 4C+0P+ 1A/R	30+1*	11	7	8			4E+0V+ 3C+0P+1 A/R	30+1*	808
TOTAL ORE PE SAPTAMANA/ TOTAL NUMBER OF HOURS/WEEK			27							26								
			TOTAL S1:							30+1*	TOTAL S2:							30+1*

Rector/Rector.

Prof.univ.dr.habil.Sorin RADU

Decan/Dean.

Prof.univ.dr.ing. Sever-Gabriel RACZ

Director Departament/Head of Department.

Prof.univ.dr.ing. Dănuț DUMITRAȘCU

PLAN DE ÎNVĂȚĂMÂNT/ CURRICULUM

ANUL 2 / 2nd YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1/ 1st Semester							Semestrul 2/ 2nd Semester							NOSI/ sem
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	
3.1	Mecanica 2 / Mechanics 2	FING.IIM.TDDH.L.DO.3.2100.E-3.1	2	1				Examen	3								33
3.2	Desen tehnic si infografica 2 / Technical drawing and infographics 2	FING.IIM.TDDH.L.FO.3.1020.C-3.2	1		2			Colocviu	3								33
3.3	Tehnici de asamblare in transportul depozitarea si distributia hidrocarburilor 1/ Assembling techniques in the transportation. storage and distribution of hydrocarbons 1	FING.IIM.TDDH.L.SO.3.2010.E-4.3	2		1			Examen	4								58
3.4	Electrotehnica si masini electrice / Electrotechnics and electronics	FING.IIM.TDDH.L.DO.3.2010.C-3.4	2		1			Colocviu	3								33
3.5	Coroziune si protectie anticoroziva / Corrosion and anticorrosive protection	FING.IIM.TDDH.L.SO.3.2010.E-5.5	2		1			Examen	5								83
3.6	Rezistenta materialelor 1 / Strength of materials 1	FING.IIM.TDDH.L.DO.3.2110.E-5.6	2	1	1			Examen	5								69
3.7	Tehnologia materialelor 1 / Materials technology 1	FING.IIM.TDDH.L.DO.3.2020.E-5.7	2		2			Examen	5								69
3.8	Educatie fizica si sport 3 / Physical education and sport 3	FING.IIM.TDDH.L.CO.3.0100.A/R-1.8		1				Calificativ	1								11
3.9	Limba moderna I 3 / Modern language I 3	Optional 4		2				Colocviu	2								22
3.10	Limba moderna II 3 / Modern language II 3																
4.1	Rezistenta materialelor 2 / Strength of materials 2	FING.IIM.TDDH.L.DO.4.2110.E-5.1								2	1	1			Examen	5	69
4.2	Tehnologia materialelor 2 / Materials technology 2	FING.IIM.TDDH.L.DO.4.2020.E-5.2								2		2			Examen	5	69
4.3	Organe de masini / Machine parts	FING.IIM.TDDH.L.DO.4.3002.E-4.3								3			2		Examen	4	30
4.4	Management si marketing / Management and marketing	FING.IIM.TDDH.L.CO.4.2100.C-3.4								2	1				Colocviu	3	33
4.5	Masini si utilaje de transport / Machines and equipment for transport	FING.IIM.TDDH.L.SO.4.2010.C-3.5								2		1			Colocviu	3	33
4.6	Educatie fizica si sport 4 / Physical education and sport 4	FING.IIM.TDDH.L.CO.4.0100.A/R-1.6									1				Calificativ	1	11
4.7	Practică de domeniu / Domain-specific plant practice	FING.IIM.TDDH.L.DO.4.P90.C-4.7												90*	Colocviu	4	10
4.8	Tehnici de asamblare in transportul depozitarea si distributia hidrocarburilor 2/ Assembling techniques in the transportation. storage and distribution of hydrocarbons 2	Optional 5								2			1		Examen	3	33
4.9	Surse neconventionale de energie / Unconventional energy sources																
4.10	Instalatii sanitare si de gaze / Sanitary and gases installations	Optional 6								2			1		Examen	3	33
4.11	Instalatii de incalzire si ventilare / Installations for heating and ventilation																
			13	5	8			5E+0V+3C+0P+1A/R	30+1*	15	3	4	4		5E+0V+3C+0P+1A/R	30+1*	732
TOTAL ORE PE SAPTAMANA/ TOTAL NUMBER OF HOURS/WEEK			26								26						
			TOTAL S1:						30+1*	TOTAL S2:				30+1*			
Discipline facultative la propunerea facultății/ Facultative subjects proposed by faculty																	
3.11	Topografie / Topography	FING.IIM.TDDH.L.CU.3.3020.C-5.11	3		2			Colocviu	5								55
4.12	Practică de domeniu / Domain-specific plant practice	FING.IIM.TDDH.L.SU.4.P270.C-12.12											270*	Colocviu	12		30
Discipline facultative transversale la propunerea ULBS/ Transversal facultative subjects proposed by ULBS.																	
1	Limba străină (secundară) I / Foreign language (secondary) I	ULBS.ULBS.ULBS.L.TU.3.0200.C-3.1		2				Colocviu	3								47
2	Tehnici de prezentare / Presentation techniques	ULBS.ULBS.ULBS.L.TU.3.0002.P-3.2		2				Proiect	3								47
3	Educație digitală / Digital education	ULBS.ULBS.ULBS.L.TU.3.0200.C-3.3		2				Colocviu	3								47
4	Retorică argumentare și dezbateri / Rhetoric, argumentation and debate	ULBS.ULBS.ULBS.L.TU.3.0200.C-3.4		2				Colocviu	3								47
5	Limba străină (secundară) II / Foreign language (secondary) II	ULBS.ULBS.ULBS.L.TU.4.0200.C-3.1									2				Colocviu	3	47
6	Limba română. Compoziție și stil / Romanian language. Composition and style	ULBS.ULBS.ULBS.L.TU.4.0200.C-3.2									2				Colocviu	3	47
7	Scrisoare academică / Academic writing	ULBS.ULBS.ULBS.L.TU.4.0200.C-3.3									2				Colocviu	3	47
8	Echitate socială și nondiscriminare / Social equity and non-discrimination	ULBS.ULBS.ULBS.L.TU.4.0200.C-3.4									2				Colocviu	3	47
			3	8	2			0E+0V+4C+1P	12		8				0E+0V+5C+0P	24	461
TOTAL ORE PE SAPTAMANA DISCIPLINE FACULTATIVE TOTAL NUMBER OF HOURS/WEEK (FACULTATIVE SUBJECTS)			13								8						
			TOTAL S1:						12	TOTAL S2:				24			

Rector/Rector.

Decan/Dean.

Director Departament/Head of Department.

Prof.univ.dr.habil.Sorin RADU

Prof.univ.dr.ing. Sever-Gabriel RACZ

Prof.univ.dr.ing. Dănuț DUMITRAȘCU

PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

ANUL 3 / 3rd YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1/ 1st Semester							Semestrul 2/ 2nd Semester							NOSI sem
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	
5.1	Forajul sondelor / Well drilling	FING.IIM.TDDH.L.SO.5.2010.E-4.1	2		1			Examen	4								58
5.2	Mecanica fluidelor / Fluid mechanics	FING.IIM.TDDH.L.DO.5.3210.C-5.2	3	2	1			Colocvii	5								41
5.3	Metode numerice de modelare, simulare si optimizare 1 / Numerical methods for modelling, simulation	FING.IIM.TDDH.L.SO.5.2010.C-4.3	2		1			Colocvii	4								58
5.4	Comprimarea si lichefierea gazelor / Compression and liquefaction of gases	FING.IIM.TDDH.L.SO.5.2101.E-5.4	2	1		1		Examen	5								69
5.5	Geologie generala si stratigrafica / General and stratigraphic geology	FING.IIM.TDDH.L.DO.5.2010.E-4.5	2		1			Examen	4								58
5.6	Termotehnica si masini termice 1 / Technical thermodynamics and heat machines 1	FING.IIM.TDDH.L.DO.5.2110.E-5.6	2	1	1			Examen	5								69
5.7	Tratarea apei si evaluarea receptivitatii straturilor/ Water treatment and assessment of layer receptiveness	Optional 7 FING.IIM.TDDH.L.SA.5.2010.C-3.7	2		1			Colocvii	3								33
5.8	Dispecerizarea sistemelor de transport / Dispatching of transportation systems	FING.IIM.TDDH.L.SA.5.2010.C-3.8															
6.1	Termotehnica si masini termice 2 / Technical thermodynamics and heat machines 2	FING.IIM.TDDH.L.DO.6.2110.C-4.1								2	1	1			Colocvii	4	44
6.2	Mineralogie si petrologie / Mineralogy and petrology	FING.IIM.TDDH.L.DO.6.2010.C-3.2								2		1			Colocvii	3	33
6.3	Hidraulica subterana / Subterranean hydraulics	FING.IIM.TDDH.L.DO.6.2210.E-4.3								2	2	1			Examen	4	30
6.4	Aparate de masura si control / Apparatuses for measurement and control	FING.IIM.TDDH.L.SO.6.2010.C-3.4								2		1			Colocvii	3	33
6.5	Extractia si prelucrarea hidrocarburilor / Extraction and processing of hydrocarbons	FING.IIM.TDDH.L.SO.6.2010.E-3.5								2		1			Examen	3	33
6.6	Transportul hidrocarburilor / Transport of hydrocarbons	FING.IIM.TDDH.L.SO.6.2100.E-4.6								2	1				Examen	4	58
6.7	Transportul hidrocarburilor / Transport of hydrocarbons	FING.IIM.TDDH.L.SO.6.0002.P-2.7											2		Proiect	2	22
6.8	Metode numerice de modelare, simulare si optimizare 2 / Numerical methods for modelling, simulation and optimisation 2	FING.IIM.TDDH.L.SO.6.2010.C-3.8								2		1			Colocvii	3	33
6.9	Practică de specialitate / Speciality plant practice	FING.IIM.TDDH.L.SO.6.P90.C-4.9												90*	Colocvii	4	10
			15	4	6	1		4E+0V+3C+0P	30	14	4	6	2		3E+0V+5C+1P	30	682
TOTAL ORE PE SAPTAMANA/ TOTAL NUMBER OF HOURS/WEEK			26							26							
			TOTAL S1:						30	TOTAL S2:						30	
Discipline facultative la propunerea facultății/ Facultative subjects proposed by faculty																	
6.10	Termoenergetica colectării, transportului și depozitării hidrocarburilor / Thermoenergetics of hydrocarbons collection, transportation and storage	FING.IIM.TDDH.L.CU.6.2020.C-4.10								2		2			Colocvii	4	44
6.11	Practică de specialitate / Speciality plant practice	FING.IIM.TDDH.L.SU.6.P270.C-12.11												270*	Colocvii	12	30
Discipline facultative transversale la propunerea ULBS/ Transversal facultative subjects proposed by ULBS.																	
1	Limba străină (secundară) III / Foreign language (secondary) III	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.1		2				Colocvii	3								47
2	Cultură și civilizație românească / Romanian culture and civilization	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.2		2				Colocvii	3								47
3	Multiculturalism și civilizație europeană / Multiculturalism and European civilization	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.3		2				Colocvii	3								47
4	Educație pentru sustenabilitate / Education for sustainability	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.4		2				Colocvii	3								47
				8				0E+0V+4C+0P	12	2		2			0E+0V+2C+0P	16	262
TOTAL ORE PE SAPTAMANA DISCIPLINE FACULTATIVE TOTAL NUMBER OF HOURS/WEEK (FACULTATIVE SUBJECTS)			8							4							
			TOTAL S1:						12	TOTAL S2:						16	

Rector/Rector.

Decan/Dean.

Director Departament/Head of Department.

Prof.univ.dr.habil.Sorin RADU

Prof.univ.dr.ing. Sever-Gabriel RACZ

Prof.univ.dr.ing. Dănuț DUMITRAȘCU

PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

ANUL 4 / 4th YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1/ 1st Semester							Semestrul 2/ 2nd Semester							NOSI/ sem	
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	P	Alte	Ver. Eval.	Cred. Cred.		
7.1	Ingineria zacamintelor de gaze / Engineering of gas deposits	FING.IIM.TDDH.L.SO.7.3002.E-6.1	3			2		Examen	6								80	
7.2	Transportul gazelor / Gas transportation	FING.IIM.TDDH.L.SO.7.3102.E-5.2	3	1		2		Examen	5								41	
7.3	Depozitarea fluidelor / Storage of fluids	FING.IIM.TDDH.L.SO.7.2000.C-3.3	2					Colocviu	3								47	
7.4	Depozitarea fluidelor / Storage of fluids	FING.IIM.TDDH.L.SO.7.0002.P-2.4				2		Proiect	2								22	
7.5	Distributia fluidelor în rețele de conducte / Distribution of fluids in pipe networks	FING.IIM.TDDH.L.SO.7.2010.E-4.5	2		1			Examen	4								58	
7.6	Distributia fluidelor în rețele de conducte / Distribution of fluids in pipe networks	FING.IIM.TDDH.L.SO.7.0002.P-2.6				2		Proiect	2								22	
7.7	Echipamente pentru foraj extracție / Equipment for drilling and extraction	FING.IIM.TDDH.L.SO.7.2010.E-4.7	2		1			Examen	4								58	
7.8	Proiectarea asistata de calculator a sistemelor de transport si distributie / Computer-aided design of transportation and distribution systems	Optional 8 FING.IIM.TDDH.L.SA.7.2010.C-4.8 FING.IIM.TDDH.L.SA.7.2010.C-4.9	2		1			Colocviu	4								58	
7.9	Transportul fluidelor multifazice / Transportation of multiphase fluids																	
8.1	Managementul calitatii / Quality management	FING.IIM.TDDH.L.DO.8.2100.C-3.1								2	1				Colocviu	3	33	
8.2	Protecția mediului / Environmental protection	FING.IIM.TDDH.L.DO.8.2120.E-5.2								2	1	2			Examen	5	55	
8.3	Economisirea hidrocarburilor / Saving of hydrocarbons	FING.IIM.TDDH.L.DO.8.3200.E-4.3								3	2				Examen	4	30	
8.4	Fizico-chimia zacamintelor / Physics-chemistry of deposits	FING.IIM.TDDH.L.DO.8.3020.E-5.4								3		2			Examen	5	55	
8.5	Elaborarea proiectului de diplomă / Writing of the diploma project	FING.IIM.TDDH.L.SO.8.0004.C-4.5											4		Colocviu	4	44	
8.6	Practica pentru proiectul de diploma / Practice for the diploma project	FING.IIM.TDDH.L.SO.8.P60.C-6.6												60*	Colocviu	6	90	
8.7	Reabilitarea structurilor gazeifere / Rehabilitation of gas-bearing structures	Optional 9 FING.IIM.TDDH.L.SA.8.2010.E-3.7 FING.IIM.TDDH.L.SA.8.2010.E-3.8								2		1			Examen	3	33	
8.8	Mentenanata sistemelor de conducte / Maintenance of pipe systems																	
			14	1	3	8		4E+0V+2C+2P	30	12	4	5	4		4E+0V+3C+0P	30	726	
TOTAL ORE PE SĂPTĂMÂNĂ/ TOTAL NUMBER OF HOURS/WEEK			26									25						
			TOTAL S1:						30		TOTAL S2:						30	
Discipline facultative la propunerea facultății/ Facultative subjects proposed by faculty																		
8.9	Evaluarea zăcămintelor de hidrocarburi / Evaluation of hydrocarbons deposits	FING.IIM.TDDH.L.SU.8.2010.E-3.9								2		1			Examen	3	33	
								0E+0V+0C+0P		2		1			1E+0V+0C+0P	3	33	
TOTAL ORE PE SĂPTĂMÂNĂ DISCIPLINE FACULTATIVE TOTAL NUMBER OF HOURS/WEEK (FACULTATIVE SUBJECTS)												3						
			TOTAL S1:								TOTAL S2:						3	

Rector/Rector.

Prof.univ.dr.habil.Sorin RADU

Decan/Dean.

Prof.univ.dr.ing. Sever-Gabriel RACZ

Director Departament/Head of Department.

Prof.univ.dr.ing. Dănuț DUMITRAȘCU