

*Valabil in 2024 - 2025*

## CURRICULUM - 1st YEAR

No.	Course unit name	Formative category of the course: DF, DD, DS, DC <sup>1</sup>	NOAD / week				Hours / semester			ECTS credits	Assessment form
			C	S	L	P	NOAD/sem	NOSI/sem			
			C	S, L, P	Total						
<b>A. COMPULSORY (C) AND OPTIONAL (O) COURSES</b>											
<b>SEMESTER 1</b>											
1	Ethics and academic integrity	DC	1	0	0	0	14	0	14	86	4 V1
2	Theoretical and experimental research methodology	DF	1	1	0	0	14	14	28	72	4 V1
3	Management of industrial technology	DF	2	0	1	0	28	14	42	58	4 E1
4	Corrosion of petroleum equipment	DS	2	0	1	0	28	14	42	83	5 E1
5	Management of industrial technology - project	DF	0	0	0	2	0	28	28	72	4 P1
6	Degradation processes of technical systems	DD	2	0	1	0	28	14	42	83	5 E1
7	Professional training 1*	DS	0	0	0	0	0	60	60	40	4 V1
		<b>TOTAL</b>	8	1	3	2	112	144	242	494	30 <sup>3E1+3V1+P 1</sup>
<b>SEMESTER 2</b>											
8	Reliability of petroleum systems	DD	2	0	1	0	28	14	42	108	6 E2
9	Quality engineering and management	DF	2	0	2	0	28	28	56	119	7 E2
10	A. Monitoring and diagnosis of technological systems / B. Security and technical risk	DS	2	0	2	0	28	28	56	119	7 E2
11	Maintenance of petroleum systems	DS	2	0	1	0	28	14	42	108	6 E2
12	Professional training 2*	DS	0	0	0	0	0	60	60	40	4 V2
		<b>TOTAL</b>	8	0	6	0	112	144	256	494	30 <sup>4E2+1V2</sup>
<b>B. ELECTIVE (E) COURSES</b>											
<b>SEMESTER 1</b>											
13	Advanced materials and technologies for the manufacture of petroleum equipment	DS	1	0	2	0	14	28	42	58	4 V1
<b>SEMESTER 2</b>											
14	Policies and strategies in the petroleum industry	DC	2	1	0	0	28	14	42	58	4 V1

<sup>1</sup> : DF - fundamental; DD - domain; DS - specialty; DC - complementary;

\*) partially assisted courses.

NOAD/week - number of hours of direct teaching activities per week; NOAD/sem. - number of hours of direct teaching activities per semester;

NOSI/sem. - number of hours of individual study per semester

RECTOR,

Prof.habil. Florinel DINU, Ph.D. Eng.

DEAN,

Assoc. Prof. Alin DINITA, Ph.D. Eng.

PROGRAMME COORDINATOR,

Prof. Marius Gabriel PETRESCU, Ph.D. Eng.

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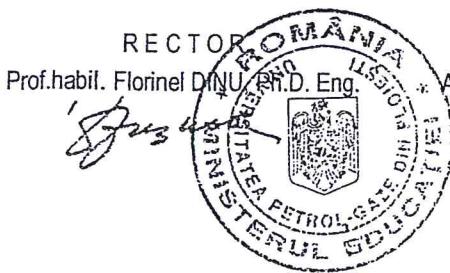
## CURRICULUM - 2nd YEAR

No.	Course unit name	Formative category of the course: DF, DD, DS, DC <sup>1</sup>	NOAD / week				Hours / semester				ECTS credits	Assessment form							
			C	S	L	P	NOAD/sem			NOSI/sem									
A. COMPULSORY (C) AND OPTIONAL (O) COURSES																			
SEMESTER 3																			
15	A. Research&Development&Innovation management and technology transfer / B. Flexible systems for the manufacture of petroleum equipment	DS	2	0	2	0	28	28	56	69	5	E3							
16	A. Monitoring and diagnosis of technological systems - project / B. Security and technical risk - project	DS	0	0	0	2	0	28	28	72	4	P3							
17	Integrity of petroleum systems	DS	1	0	2	0	14	28	42	83	5	E3							
18	Project management for petroleum systems	DD	1	0	2	0	14	28	42	58	4	E3							
19	Project management for petroleum systems - project	DD	0	0	0	2	0	28	28	72	4	P3							
20	Internship (for dissertation)*	DS	0	0	0	0	0	60	60	40	4	V3							
21	Elaboration of dissertation paper*	DS	0	0	0	0	0	60	60	40	4	V3							
22	Graduation of the dissertation		0	0	0	0	0	0	0	0	10	ED							
			<b>TOTAL</b>	4	0	6	4	56	260	316	434	30+ 10	3E3+2V3+ 2P3+1ED						
SEMESTER 4																			
<b>TOTAL</b>																			
B. ELECTIVE (E) COURSES																			
SEMESTER 3																			
21	Legislation in the petroleum industry	DC	2	1	0	0	28	14	42	58	4	V3							
SEMESTER 4																			

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DEAN,

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