

**Academic year 2023-2024**

**CURRICULUM - BACHELOR IN "GEOLOGICAL ENGINEERING", 2023-2024**

No.	The structure of the academic year	Weeks by year			TOTAL
		I	II	III	
1	learning	27	23	24	74
2	Teaching Practice	1	5	3	9
3	Test	10	10	10	30
4	holidays				
5	AMOUNT	38	38	37	113

No.	Index	OBJECT	Status	ECTS					Hours in the auditoriums					The division of hours by year and semester																					
				Total credits	Lectures		Exercise	Assignment / Course project	Laboratories		Subject/teaching practice	Total actual hours	Hours of lectures	Exercise class	Hours of assignments/projects	Laboratory hours	Subject/teaching practice hours	First year				Second Year				Third year									
					Week 14	Week 13			First semester	Second Semester								Week 13	First semester	Second Semester	Week 10	First semester	Week 13	Second Semester	Week 11	Method of Evaluation	Method of Evaluation	Method of Evaluation	Method of Evaluation						
1	2IGIB-101	Mathematical Analysis	compulsory	5.0	3.0	2.0	0.0	0.0	0.0	64.0	36	28	0	0	0	0	2.6	2.0	kamination																
2	2IGIB-102	Chemistry	compulsory	6.0	3.0	2.0	0.0	1.0	0.0	84.0	36	28	0	0	20	0	2.6	2.0	kamination																
3	2IGIB-103	Physics 1	compulsory	5.0	3.0	1.5	0.0	0.5	0.0	67.0	36	21	0	0	10	0	2.6	1.5	kamination																
4	2IGIB-104	Foreign language	compulsory	6.0	3.0	3.0	0.0	0.0	0.0	78.0	36	42	0	0	0	0	2.6	3.0	kamination																
5	2IGIB-105	Geomatics	compulsory	4.0	2.0	1.5	0.5	0.0	0.0	47.5	24	21	2.5	0	0	0	1.7	1.5	kamination																
6	2IGIB-106	Informatics	compulsory	5.0	3.0	1.0	0.5	0.5	0.0	62.5	36	14	2.5	10	0	0	2.6	1.0	kamination																
7	2IGIB-107	Algebra and Geometry	compulsory	5.0	3.0	2.0	0.0	0.0	0.0	64.0	36	28	0	0	0	0			2.8	2.2	kamination														
8	2IGIB-108	General Geology	compulsory	5.0	2.5	1.0	0.5	0.0	1.0	66.5	30	14	2.5	0	20	0			2.3	1.1	kamination														
9	2IGIB-109	Physics 2	compulsory	5.0	3.0	1.5	0.5	0.0	0.0	59.5	36	21	2.5	0	0	0			2.8	1.8	kamination														
10	2IGIB-110	Macro paleontology	compulsory	4.0	2.0	0.0	0.0	2.0	0.0	64.0	24	21	0	0	40	0			1.8	0.0	kamination														
11	2IGIB-111	Crystallography-crystalchemistry	compulsory	3.0	1.5	0.0	0.5	1.0	0.0	40.5	18	0	2.5	20	0				1.4	0.0	kamination														
12	2IGIB-112	Technical drawing +CAD	compulsory	4.0	2.0	1.0	0.0	1.0	0.0	58.0	24	14	0	20	0				1.8	1.1	kamination														
13	2IGIB-113	Globe physics	compulsory	3.0	2.0	1.0	0.0	0.0	0.0	38.0	24	14	0	0	0				1.8	1.1	kamination														
14	2IGJB-201	Statistics + Probability	compulsory	5.0	3.5	1.5	0.0	0.0	0.0	63.0	42	21	0	0	0	0			3.2	1.6	kamination														
15	2IGJB-202	Mechanical + Material Resistance	compulsory	5.0	3.0	1.5	0.5	0.0	0.0	59.5	36	21	2.5	0	0	0			2.8	1.6	kamination														
16	2IGJB-203	Micro-paleontology	compulsory	5.0	3.0	0.0	0.0	2.0	0.0	76.0	36	0	0	40	0				2.8	0.0	kamination														
17	2IGJB-204	Optical mineralogy	compulsory	4.5	2.5	0.0	0.0	2.0	0.0	70.0	30	0	0	40	0				2.3	0.0	kamination														
18	2IGJB-205	Corresponding + Systematic Mineralogy	compulsory	6.0	3.0	0.5	0.5	2.0	0.0	85.5	36	7	2.5	40	0				2.8	0.5	kamination														
19	2IGJB-206	Quaternary Geology+Geomorphology	compulsory	3.0	1.5	0.5	0.0	0.0	1.0	45.0	18	7	0	0	20				1.4	0.5	kamination														
20	2IGJB-207	Petrology	compulsory	3.5	2.0	1.5	0.0	0.0	0.0	45.0	24	21	0	0	0	0				2.4	2.1	kamination													
21	2IGJB-208	Petrography of magmatic-metamorphic rock	compulsory	6.0	3.0	1.0	0.5	1.0	0.5	82.5	36	14	2.5	20	10					3.6	1.4	kamination													
22	2IGJB-209	Petrography of sh. Sedimentary	compulsory	5.0	2.5	1.0	0.0	1.0	0.5	74.0	30	14	0	20	10					3	1.4	kamination													
23	2IGJB-210	Sedimentology + Geol. MARINE	compulsory	7.0	3.5	1.5	0.0	0.0	2.0	103.0	42	21	0	0	40						4.2	2.1	kamination												
24	2IGJB-211	Geol. Historical+Global Changes	compulsory	3.0	2.0	1.0	0.0	0.0	0.0	38.0	24	14	0	0	0	0				2.4	1.4	kamination													
25	2IGJB-212	Structural geology	compulsory	7.0	3.5	1.0	0.5	0.0	2.0	98.5	42	14	2.5	0	40						4.2	1.4	kamination												
26	2IGJB-301	Mineral Processing, Drilling and Mining	compulsory	5.0	3.0	1.0	0.0	1.0	0.0	70.0	36	14	0	20	0						2.8	1.1	kamination												
27	2IGJB-302	Geochemistry	compulsory	7.0	3.5	2.0	0.5	1.0	0.0	92.5	42	28	2.5	20	0						3.2	2.2	kamination												
28	2IGJB-303	Seismic + Gravimetry	compulsory	3.5	2.0	1.0	0.2	0.3	0.0	45.0	24	24	1	6	0						1.8	1.1	kamination												
29	2IGJB-304	VB Min.Solid + VB Hydrocarbons	compulsory	5.0	3.0	2.0	0.0	0.0	0.0	64.0	36	28	0	0	0						2.8	2.2	kamination												
30	2IGJB-305	Hydrogeology	compulsory	4.0	2.0	2.0	0.0	0.0	0.0	52.0	24	28	0	0	0	0					1.8	2.2	kamination												
31	2IGJB-306	Stratigraphy + Sedimentary basins	compulsory	6.5	3.5	2.0	0.5	0.0	0.5	82.5	42	28	2.5	0	10						3.2	2.2	kamination												
32	2IGJB-307	Electrometry, Magnetometry and Radiometry	compulsory	3.5	1.75	0.85	0.2	0.2	0.5	47.9	21	11.9	1	4	10							1.9	1.1	kamination											
33	2IGJB-308	Geophysics of Wells	compulsory	2.0	1.0	1.0	0.0	0.0	0.0	26.0	12	14	0	0	0							1.1	1.3	kamination											
34	2IGJB-309	Tectonics + Geological Survey	compulsory	5.0	2.5	1.0	0.5	0.0	1.0	66.5	30	14	2.5	0	20							2.7	1.3	kamination											
35	2IGJB-310	Geol. Eng. + geological risks	compulsory	5.0	2.5	2.0	0.0	0.0	0.5	68.0	30	28	0	0	10							2.7	2.5	kamination											
36	2IGJB-311	Optional subject 1	compulsory	4.0	2.0	1.0	0.0	0.0	1.0	58.0	24	24	1	4	20								2.2	1.3	kamination										
38	2IGJB-313	Optional subject 2	compulsory	4.0	2.0	2.0	0.0	0.0	0.0	52.0	24	28	0	0	0								2.2	2.5	kamination										
40	2IGJB-315	Bachelor training exam (PFB)/Diploma thesis	compulsory	5.5	0.0	0.0	0.0	0.0	0.0	27.5	0	0	0	0	0																		examination		
		<b>TOTAL</b>		<b>180.0</b>	<b>94.8</b>	<b>46.4</b>	<b>6.4</b>	<b>16.5</b>	<b>10.5</b>	<b>2385.4</b>	<b>1137</b>	<b>648.9</b>	<b>32</b>	<b>330</b>	<b>210</b>																				

Optional subject 1		CREDIT		Lectures	exercise	Assignment/Cou rse Project	Laboratories	Subject/te aching practice
Regional Geology				4	2.0	1.0	0.0	1.0
Mineralogy and Technical Petrography				4	2.0	0.50	0.50	1.0
Optional subject 2		CREDIT		Lectures	exercise	Assignment/Cou rse Project	Laboratories	