Table 1: Objectives matrix

Intended learning outcomes for the programme	Corresponding module objectives/modules					
as a whole (competence profile/ <i>learning outcomes</i>)	(operationalisation)					
- Knowledge						
- Skills						
- Competences						
Knowledge a:	Knowledge of modern social problems, know the					
	state and foreign languages, tools of a market					
	economy, security and environmental issues;					
Knowledge b:	Knowledge of practical skills in mathematical					
	processing of the results of scientific research,					
	drawing up flow charts of technological processes					
	using modern information technologies;					
Knowledge c:	Have the ability to independently acquire,					
	comprehend, structure and use new knowledge and					
	skills in professional activities, develop their					
	abilities by applying the skills of synthesis and					
	evaluation;					
Knowledge d:	Have the ability to create and explore models of					
	theoretical and practical knowledge in the field of					
	ail and gas geology:					
	Carry out search and exploration of oil gas gas					
Skills a:	condensate fields apply highly afficient modern					
	condensate fields, apply fightly efficient modern					
	methods of geological and geophysical research					
	and information processing;					
Skills b:	Plan and conduct research, experimental research					
Skills c:	The ability to communicate, speak both written and					
	languages professionally and ethically:					
	D d l d d					
Skills d:	By the end of the program, undergraduates will be					
	able to demonstrate the skins of teaching in the					
	and supervising them:					
Competences a:	Perform scientific and industrial tasks using					
r r r r r r r r r r r r r r r r r r r	modern specialized software:					
Compatances b:	The readings of undergraduates for professional					
Competences b.	The readiness of undergraduates for professional					
	fundamental knowledge skills and experience in					
	the geological industry government organizations					
	and educational institutions.					
Competences c:	Ability to apply qualitative and quantitative					
-	methods of analysis, collect, integrate and interpret					
	data according to the standards of the oil and gas					
	industry;					
Competences d:	The ability to demonstrate high professional					
	qualities and ethics while performing the					
	production and / or scientific tasks of the oil and					
	gas industry.					

Table 2: Objectives matrix

	Knowledge a	Knowledge b	Knowledge c	Knowledge d	Skill a	Skill b	Skill c	Skill d	Competence a	Competence b	Competence c	Competence d
LNG210 Foreign language (professional)	+		+	+		+	+	+		+	+	+
HUM208 Management psychology	+		+		+		+	+		+	+	+
HUM210 History and philosophy of science	+				+		+	+		+		+
HUM209 Higher school pedagogy	+					+	+	+	+	+		+
GEO299 Petroleum hydrogeology		+	+	+	+	+			+		+	+
GEO704 Interpretation of geological and geophysical data for the purposes of calculating oil and gas reserves and resources	+	+	+	+	+					+	+	+
GEO287 Organic geochemistry and paleo biomarkers	+	+	+		+				+			+
GEO742 Aerospace methods in the search for oil and gas fields		+	+			+	+		+		+	+
GEO743 Lithology of reservoir of oil and gas	+		+	+	+				+			+
GEO263 Analysis of sedimentary basins		+	+	+	+		+		+		+	+
GEO703 Paleo-temperature regimes of the subsoil, the genesis and migration of hydrocarbons		+	+	+		+			+			+
GEO292 Forecasting and estimation of oil and gas resources		+	+	+	+		+		+		+	+
GEO701 Geostatistics in field geological research	+	+	+		+		+			+		+
GEO744 Regional and local modeling of the evolution of sedimentary basins		+	+	+	+	+			+		+	+
GEO745 Sedimentation and facies conditions during the formation of oil and gas complexes		+	+	+	+					+		+
GEO746 Theoretical and methodological patterns of allocation of resources and hydrocarbon reserves on the shelf and water area.		+	+	+		+	+	+		+	+	+