

Institute of Geology and Petroleum Technologies		
Petroleum engineering		
1 semester		
№	Name of the discipline	Quantity of auditorium hours/ Total
1.	Petroleum engineering	48/144
2.	Basics of geological modelling	18/108
3.	Academic communication	36/72
4.	Physical chemistry of hydrocarbons	24/54
5.	Seismic interpretation	50/180
6.	Well logging interpretation and petrophysics	50/180
7.	Basin analysis	52/108
8.	Elective Course – Fluid flow in porous media / Well logging data interpretation	46/108
9.	Elective course – Management	30/72
2 semester		
10.	Petroleum engineering	22/72
11.	Project management in oil and gas industry	18/72
12.	Physical chemistry of hydrocarbons	24/54
13.	Reservoir characterization and modelling	48/216
14.	Hydraulic fracturing and monitoring	28/108
15.	Well testing	46/72
16.	Elective Course – Geostatistics / Mathematical methods in geology	46/144
17.	Field trip	108
18.	Research work	36
19.	Internship	324
3 semester		
20.	Project management in oil and gas industry	22/72
21.	Basics of reservoir engineering	44/144
22.	Methods of enhancement oil recovery	56/180
23.	Modern problems of economics, organization and management of oil and gas exploration	34/144
24.	Elective Course - Geological modeling / Hydrodynamic modeling	58/216
25.	Elective Course – Reservoir geomechanics / Remote sensing (GLONASS, GPS) in geodesy, cartography and navigation	40/144
26.	Research work	180
4 semester		
27.	Research work	432
28.	Undergraduate practice	324
29.	State final examination	324