

Rector of UNEC

AZERBAIJAN STATE UNIVERSITY OF ECONOMICS (UNEC)

prof. A.J.Muradov (signature) “ ” 20__ year

Name and code of specialty:

EDUCATIONAL PLAN

050606 – Environmental Engineering

(for undergraduate level) Education period 4 years (8 semesters)

I. SCHEDULE OF EDUCATIONAL PROCESS

Calendar grid showing months from September to August with daily indicators for theoretical training (T), exam sessions (::), practice (N), and vacation (=).

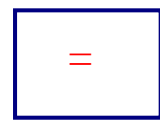
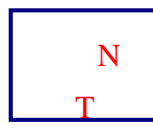
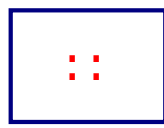
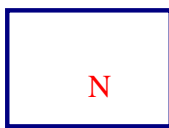
SYMBOLS:

THEORETICAL TRAINING

EXAM SESSION

PRACTICE

VACATION



II. PLAN OF EDUCATIONAL PROCESS

Table with columns for Code of subjects, Name of the subjects, Number of credits, Total hours, Hours outside the audience, Audience hours, and including Lecture, Seminar, Laboratory. It lists subjects like Business and academic communication and includes summary rows for General and Elective subjects.

7	00341 00830 00149 00574 00317 00632	1. Philosophy 2. Sociology 3. Fundamentals of law and Constitution of AR 4. Logic 5. Ethics and aesthetics 6. Introduction to multiculturalism	3	90	45	45	30	15				F-2	3
8	00402 00404 00758 00671	1. Information technologies (by fields) 2. Information management of 3. Fundamentals of entrepreneurship and introduction to business 4. Political sciences	3	90	45	45	30	15				F-4	
Specialty subjects			120	3600	2400	1200	630	375	195				
9	00042	Mathematics -1	5	150	90	60	30	30				F-1	
10	00108	Mathematics -2	5	150	90	60	30	30		00042		S-1	
11	00892	Applied mathematics	6	180	120	60	30	30				F-2	
12	00013	Fundamentals of physics	7	210	150	60	30		30			F-1	
13	00259	Ecological engineering	6	180	120	60	30		30			F-4	
14	00050	General chemistry	8	240	180	60	30		30			F-1	
15	00074	Analytical chemistry and instrumental analysis	4	120	75	45	30		15			S-1	
16	00334	Basics of environmental chemistry and toxicology	5	150	90	60	30		30			S-2	
17	00032	Engineering graphics	6	180	120	60	30	30				F-1	
18	00577	Physical bases of remote sensing	7	210	150	60	30	15	15			F-2	
19	00084	Hydrology	6	180	120	60	30	30				S-1	
20	00114	General ecology	7	210	150	60	30	30				S-1	
21	00326	Environmental impact assessment	6	180	120	60	30	30				F-2	
22	00274	Modeling of ecological systems	5	150	105	45	30	15				F-3	
23	00270	Ecological monitoring	5	150	90	60	30	30				F-3	
24	00331	Ecological management	6	180	120	60	30	30				F-2	
25	00907	Waste-free production processes and waste recycling	6	180	120	60	30		30			F-3	
26	00845	Integrated water resources management	6	180	120	60	30	30				S-3	
27	00435	Climate change and global warming	5	150	105	45	30	15				S-2	
28	00899	Land reclamation, recultivation, and ecological bases	6	180	120	60	30	15	15			S-3	
29	00034	Civil defense	3	90	45	45	30	15				F-3	
Elective subjects (on specialty subjects)			60	1800	1200	600	315	225	60				
30	00366 00367 00365 00138	1. Air pollution and control 2. Management of air quality 3. Engineering of air pollution 4. Radioactive pollution	5	150	90	60	30	15	15			F-3	
31	00320 00949 00273 00566	1. Introduction of environment science 2. Groundwater flow and pollution 3. Ecological installations 4. Environmental impact of mining activities	6	180	135	45	30		15			S-2	
32	00319 00323 00271 00262	1. Environmental biology and ecology 2. Microbiology of environmental engineering 3. Biological process of ecological environment 4. Ecology and microbiology	6	180	120	60	30	15	15			F-3	
33	00186 00309 00858 00776	1. Bioecological engineering 2. Environmental economy 3. Economy of natural resources. 4. Industrial ecology	4	120	75	45	30	15				F-2	
34	00330 00846 00324	1. Innovative ecological projects 2. Technology of water resources 3. Energy of environment and energy sources	6	180	120	60	30	30				S-3	
35	00117 00265 00213 00250	1. Fundamentals of earth sciences Basics of earth sciences 2. Ecological biotechnology 3. Living things and	6	180	120	60	30	30				S-3	

		environment 4.World Ecosystems											
36	00277 00338 00865	1.Ecological security 2.Environmental protection 3.Research and project skills	6	180	120	60	30	30					S-3
37	00327 00904 00336	1.Analysis manners of environment 2.Biological recovery of waste 3.Planning and regulation of environment	6	180	120	60	30	30					F-4
38	00321 00260 00495 00487	1.Information systems of environment 2.Applying computers in ecological engineering 3.Programming in computers 4.Computer graphics	7	210	150	60	30	30					F-4
39	00322 00308 00887	1.Ecology of environmental engineering 2.Energetics and environment 3.Applied ecology	8	240	150	90	45	30	15				F-4
		Practice and graduation work	30	900	900								
40	00861	Practice	21	630	630								S-4
41	00210	Graduation work	9	270	270								S-4

III. TIME ALLOTTED FOR TRAINING

Academic year		Credits		Theoretical training (week)		Exam session (week)		Practice (Week)		Final attestation (week)		Vacation	
I	F-1	60	30	30	15	10	5					12	2
	S-1		30		15		5						10
II	F-2	60	30	30	15	10	5					12	2
	S-2		30		15		5						10
III	F-3	60	30	30	15	10	5					12	2
	S-3		30		15		5						10
IV	F-4	30 + 21 ^x + 9 ^{//}	30	15	15	5	5	14		6		2	2
	S-4		21 ^x + 9 ^{//}		5		14						6
Total:		210 + 21^x + 9^{//} = 240		105		35		14		6		38	

PRACTICE		Week	Credits	Semester
1	Industrial work	14	21	S-4

1 week for practice is – 1,5 credits.

FINAL ATTESTATION		Week	Credits	Semester
1	Final state attestation	6	9	S-4

IS PRESENTED BY:

Vice rector of education

Director of the teaching-methodical center

Acting dean of the faculty “Engineering”

Head of the department “Engineering and applied sciences”

Assist.prof. G.C. Musayev

Asistant prof. E.H. Azadov

Asistant prof. E.A. Samedov

prof. R.M. Rzayev