

**«Mukhametzhan Tynyshbayev ALT University» JSC**

**APPROVED**  
**Vice-Rector for Corporate and**  
**Social Development**  
**A.A. Ivanov**  
\_\_\_\_\_ **2025**



**PROFESSIONAL DEVELOPMENT COURSE SYLLABUS**

**“Ecology and Environmental Protection”**

**Almaty – 2025**

The professional development course syllabus "Ecology and Environmental Protection" was reviewed and approved by the Department of "Motor vehicles and life safety".

Protocol No. 8 dated January 26, 2025

Developer:

Abdreshov Shamil Askarovich, PhD

## 1. COURSE GOALS AND OBJECTIVES

### Program Description

This professional development course in “Ecology and Environmental Protection” is part of an initiative for professional development and additional education in the application of information and communication technologies in the educational process.

### Course Goal:

To develop a system of knowledge, skills, and competencies in the field of ecology and environmental protection.

### Program Objectives:

- Environmental education;
- Develop participants’ ability to work with current legal requirements in the field of environmental protection.

## 2. COURSE CONTENT

№	Module Title	Brief Description	Lecture Hours		
			Lecture Hours	Practical Hours	Self-study Hours
1	2	3	4	5	6
1	Module 1. New Environmental Code of the Republic of Kazakhstan: Basic Principles of State Environmental Policy	Accompanying law to the Environmental Code. Key provisions of the Administrative Procedural Code and its application in environmental protection. Object classification. New environmental impact assessment procedures.	4	10	10
2	Module 2. Regulation of Emissions under the New Environmental Code	Reporting under the new Environmental Code and Rules of State Regulation.	4	8	10
3	Module 3. Waste Management under Environmental Law Reform	Management features for certain types of waste.	4	8	20
4	Module 4. Environmental Permits	Procedures for issuing comprehensive environmental permits and impact permits.	4	10	10
5	Module 5. Government Environmental Control	Organization and implementation of preventive	4	4	12

		control under the Entrepreneurial Code. Administrative penalties and new types of sanctions for environmental violations.			
6	Module 6. Industrial Environmental Control. ACS (Automated Control Systems)	Sampling requirements from environmental objects.	4	8	16
<b>Total:</b>			<b>24</b>	<b>48</b>	<b>78</b>
<b>Overall Total</b>			<b>150 hours (5 academic credits)</b>		

### 3. REFERENCES

1. Ecological Code Of The Republic Of Kazakhstan The Code of the Republic of Kazakhstan dated January 2, 2021 No.400-VI

2. Code of the Republic of Kazakhstan «On taxes and other obligatory payments to the budget (Tax Code)» (25 December, 2017 № 120-VI, has been amended by the 2024)

3. Code of Administrative Offenses of the Republic of Kazakhstan dated July 5, 2014, No. 235-V ZRK (as amended up to 10.01.2025)

4. Order of the Minister of Ecology, Geology and Natural Resources of the Republic of Kazakhstan dated March 10, 2021, No. 63 - “On approval of emission standard determination methods” (as amended up to 16.09.2024)

5. Order of the Acting Minister of Ecology, Geology and Natural Resources of the Republic of Kazakhstan dated August 9, 2021, No. 319 - “On approval of the rules for issuing environmental permits, environmental impact declarations, forms and procedures for completing them” (as amended up to 20.04.2024)


6. Order of the Minister of Ecology, Geology and Natural Resources of the Republic of Kazakhstan dated July 14, 2021, No. 250 - “On approval of rules for the development of industrial environmental control programs for Category I and II facilities...” (as amended up to 24.05.2023)

#### 4. HANDOUT MATERIALS

The following handouts are provided:

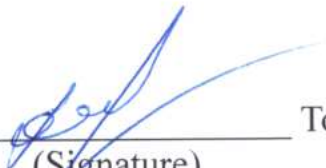
1. Presentations.
2. Practical assignments

**Developer**


  
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(Signature) Abdreshov Sh.A.

**Agreed:**

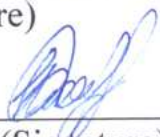
Head of Department:

  
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(Signature) Toilybaev A.E.

Director of TS Institute:

  
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(Signature) Abdreshov Sh.A.

Director of Corporate Development Center:

  
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(Signature) Nadyrkoul E.M.