

SYLLABUS
Fall semester 2024-2025 academic years
on the educational program “7M042 – Maritime and Energy law ”
Master Degree Program in English

Discipline’s code and the Title	Independent work of master students (IWMS)	Number of credits			Number of credits	Independent work of master students with teacher (IWMST)
		Lectures (L)	Practical training (PT)	Laboratory (Lab)		
97088 Legal regulation of alternative energy sources	5	1,7	3,3	-	5	5
ACADEMICAL INFORMATION ON DISCIPLINE						
Form of education	Cycle, component	Type of lecture	Type of practical training	The form and platform of final control		
Online	Based disciplines, by choice of component	Classic, Problem, analytical lecture	Problem solving, situational tasks, debates, presentation	Verbal exam via ZOOM platform		
Lecturer	Ibragimov Aziz Tilapzhanovich, Candidate of Law Sciences, Senior Lecturer					
e-mail	iaziz@bk.ru					
Telephone number	+7 7007107277					
ACADEMICAL PRESENTATION OF DISCIPLINE						
Aim of course	Expected Learning Outcomes (LO)* As a result of studying of the discipline the student will be able to:		Indicators of LO achievement (ID) (for each LO at least 2 indicators)			
To develop the ability to analyze international and national legislation in the field of alternative energy sources, analyze its legal instruments, describe the nature and specifics of legal regulation of relations in the field of the use of alternative energy sources.	1. To demonstrate an understanding of the content of the concept of legal provision of alternative energy sources.		1.1. To argue the specifics of the legal regulation relations in the field of using alternative energy sources at the international and national levels. 1.2 Determine the place and role of norms in the field of alternative energy sources in the legal system. 1.3 To argue the specifics of the legal consolidation of all the institutions of alternative energy sources.			
	2. To differentiate the methods of analysis of the legal provision of alternative energy sources on the basis of a critical assessment of their effectiveness for the proposal of a set of measures in the field of marine and energy relations		2.1. Apply methods of analyzing the conditions for the application of alternative energy sources. 2.2 Interpret the conditions for the application of certain norms regulating maritime and energy relations in order to ensure environmental safety. 2.3 Analyze the specifics of the legislative consolidation of norms in the field of environmental safety in various practical situations.			
	3. To analyze and identify the specifics of state regulation of marine and energy relations in order to ensure environmental safety.		3.1. Classify the methods of state regulation of marine and energy relations in order to ensure environmental safety. 3.2 Compare the methods of state regulation of marine and energy relations in order to ensure environmental safety. 3.3 Identify the similarities and differences of state regulation and management of marine and energy relations in order to ensure environmental			

		safety and the basis for the application of these methods
	4 Make recommendations on ensuring the effective application of legislation in the field of environmental safety in the field of marine and energy relations	4.1. Develop measures to ensure legislation in the field of environmental safety in marine and energy relations. 4.2 Explain the reasons for the violation of legislation in the field of environmental safety in marine and energy relations and their elimination. 4.3 Develop plans to improve the enforcement of legislation in the field of ensuring environmental safety in marine and energy relations.
	5. To evaluate the practice of legal regulation in the field of marine and energy relations in order to ensure environmental safety based on the analysis of international and national legislation and the development of specific proposals for improving the practice of its application.	5.1 To substantiate the need for the application of legal mechanisms for regulating marine and energy relations in the field of ensuring environmental safety. 5.2 Evaluate the experience of foreign countries in regulating marine and energy relations in the field of ensuring environmental safety. 5.3 Assess the possibility of applying the positive experience of foreign countries in the regulation of marine and energy relations in the field of environmental safety.
Prerequisites	EPRK 2222 Environmental law GPRK2204 Civil law of RK (General part), GPRK3206 Civil law of Kazakhstan (Special part)	
Post requisites	PEB3408 Environmental Safety Law	
Information resources **	<p>Literature:</p> <ol style="list-style-type: none"> 1. Shaimerden Chikanayev. Energy Law in Kazakhstan, available at https://www.researchgate.net/publication/366030663_Energy_Law_in_Kazakhstan 2. Эколого-правовые проблемы обеспечения энергетической безопасности в РК. Монография. Алматы: ТОО «Издательство «Қазақ тілі», 2017. – 141 с. 3. Экологическое право: учебник для академического бакалавриата / С. А. Боголюбов [и др.] ; под редакцией С. А. Боголюбова. — 6-е изд., перераб. и доп. — Москва : Издательство Юрайт, 2019. — 281 с. 4. ECOLOGICAL AND LEGAL PROBLEMS OF ENSURING ENERGY SECURITY IN THE REPUBLIC OF KAZAKHSTAN. Monograph. Taldykorgan, 2017. – 89 p. 5. Environmental Law Second Edition Lee Godden, Jacqueline Peel, Jan McDonald. 2018// https://www.oup.com.au/books/higher-education/law/9780195522297-environmental-law 6. The Law of the Republic of Kazakhstan “On Support of the Use of Renewable Energy Sources” dated 4 July 2009 No. 165-IV. 7. On State Regulation of Manufacturing and Turnover of Biofuel. The Law of the Republic of Kazakhstan dated 15 November 2010 No. 351-IV. 8. Internet resources: additional educational materials, regulatory legal acts, and other regulatory materials can be used from the univer. kaznu website.kz; https://www.zakon.kz/; https://prg.kz/; https://prg.kz/jurist_info, <p>2. Online resources: educational material-abstracts of lectures on agrarian law, as well as educational and methodological material necessary for completing homework, projects, SRS, is available on your page on the website http://adilet.zan.kz/rus/docs and www.univer.kaznu.kz, in the UMCD section.</p> <p>Internet resources:</p> <ol style="list-style-type: none"> 1. http://elibrary.kaznu.kz/ru 2. https://online.zakon.kz/lawyer 3. https://adilet.zan.kz/rus 	
Academic policy of the course	<p>The academic policy of the discipline is determined by the Academic Policy and the Policy of Academic Integrity of Al-Farabi KazNU. Documents are available on the main page of IS Univer.</p> <p>Integration of science and education. The research work of students, undergraduates and doctoral students is a deepening of the educational process. It is organized directly in the departments,</p>	

laboratories, scientific and design departments of the university, in student scientific and technical associations. Independent work of students at all levels of education is aimed at developing research skills and competencies based on obtaining new knowledge using modern research and information technologies. A research university teacher integrates the results of scientific activity into the topics of lectures and seminars (practical) classes, laboratory classes and into the tasks of the IWST, IWS, which are reflected in the syllabus and are responsible for the relevance of the topics of training sessions and tasks.

Attendance. The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the discipline. Failure to meet deadlines results in loss of points.

Academic honesty. Practical/laboratory classes, IWS develop the student's independence, critical thinking, and creativity. Plagiarism, forgery, the use of cheat sheets, cheating at all stages of completing tasks are unacceptable.

Compliance with academic honesty during the period of theoretical training and at exams, in addition to the main policies, is regulated by the "Rules for the final control", "Instructions for the final control of the autumn/spring semester of the current academic year", "Regulations on checking students' text documents for borrowings".

Documents are available on the main page of IS Univer.

Basic principles of inclusive education. The educational environment of the university is conceived as a safe place where there is always support and equal attitude from the teacher to all students and students to each other, regardless of gender, race / ethnicity, religious beliefs, socio-economic status, physical health of the student, etc. All people need the support and friendship of peers and fellow students. For all students, progress is more about what they can do than what they can't. Diversity enhances all aspects of life.

All students, especially those with disabilities, can receive advisory assistance by
iaziz@bk.ru

+7 7007107277

<https://us04web.zoom.us/j/4175819644?pwd=UWFtS0hicFVick5vaE5WSy83WUVxZz09>

<https://teams.live.com/l/invite/FEAOhRY5m0bHxAnbQE>

Integration MOOC (massive open online course). If MOOC is integrated into the discipline, all students must register for MOOC. The deadlines for passing MOOC modules must be strictly observed in accordance with the schedule for studying the discipline.

ATTENTION! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the discipline, as well as in the MOOC. Failure to meet deadlines results in loss of points (grade).

INFORMATION ON TEACHING, LEARNING AND ASSESSMENT

Score-rating letter system of assessment of accounting for educational achievements				Methods of assessment													
Grade	The digital equivalent of grade	Grades in percentage	Grades in traditional form	<p>Criteria-based assessment is the process of correlating actual learning outcomes with expected learning outcomes based on clearly defined criteria. Based on formative and summative assessment.</p> <p>Formative assessment is a type of assessment that is carried out in the course of daily learning activities. It is the current measure of progress. Provides an operative relationship between the student and the teacher. It allows you to determine the capabilities of the student, identify difficulties, help achieve the best results, timely correct the educational process for the teacher. The performance of tasks, the activity of work in the classroom during lectures, seminars, practical exercises (discussions, quizzes, debates, round tables, laboratory work, etc.) are evaluated. Acquired knowledge and competencies are assessed.</p> <p>Summative assessment is a type of assessment that is carried out upon completion of the study of the section in accordance with the program of the discipline. Conducted 3-4 times per semester when performing IWS. This is the assessment of mastering the expected learning outcomes in relation to the descriptors. Allows you to determine and fix the level of mastering the discipline for a certain period. Learning outcomes are evaluated.</p> <table border="1"> <thead> <tr> <th>The Formative and Summative assessments</th> <th>The grades in percentage</th> </tr> </thead> <tbody> <tr> <td>Activity at lectures</td> <td>5</td> </tr> <tr> <td>Work in practical classes</td> <td>20</td> </tr> <tr> <td>Independent work of students</td> <td>25</td> </tr> <tr> <td>Project activity</td> <td>10</td> </tr> <tr> <td>Final control (exam)</td> <td>40</td> </tr> </tbody> </table>		The Formative and Summative assessments	The grades in percentage	Activity at lectures	5	Work in practical classes	20	Independent work of students	25	Project activity	10	Final control (exam)	40
The Formative and Summative assessments	The grades in percentage																
Activity at lectures	5																
Work in practical classes	20																
Independent work of students	25																
Project activity	10																
Final control (exam)	40																
A	4,0	95-100	Excellent														
A-	3,67	90-94															
B+	3,33	85-89	Good														
B	3,0	80-84															
B-	2,67	75-79															
C+	2,33	70-74	Satisfactory														
C	2,0	65-69															
C-	1,67	60-64															
D+	1,33	55-59															

D	1,0	50-54		TOTAL	100
FX	0,5	25-49	Unsatisfactory		
F	0	0-24			

CALENDAR (SCHEDULE) THE IMPLEMENTATION OF THE COURSE. THE TEACHING AND LEARNING METHODS.

week	Topic name	Number of hours	Max. score
MODULE 1			
General provisions of the legal support of environmental safety in the field of marine and energy relations			
1	Lec 1. The concept, connection and correlation of energy security, energy law and alternative energy	1	
1	Sem 1. Discuss the concept, connection and correlation of energy security, energy law and alternative energy	2	7
2	Lec 2. To reveal international legal regulation of the use and development of alternative energy	1	
2	Sem 2. To discuss the international legal regulation of the use and development of alternative energy	2	7
2	IWMST 1. Consultation on the implementation of IWMS		
3	Lec 3. Legal regulation of the production and use of alternative energy in the Republic of Kazakhstan and Republic of Azerbaijan	1	
3	Sem 3. To reveal legal regulation of the production and use of alternative energy in the Republic of Kazakhstan and Republic of Azerbaijan	2	7
3	IWMS 1. Analysis of the structure of global energy consumption. Renewable and non-renewable energy sources (report).		25
4	Lec 4. To reveal principles of legal regulation of the production and use of alternative energy	1	
4	Sem 4. To discuss the principles of legal regulation of the production and use of alternative energy	2	7
5	Lec 5. To reveal the concept, content and features of the state-legal mechanism for the use and development of alternative energy	1	
5	Sem 5. Discussion of the state-legal mechanism for the use and development of alternative energy	2	7
Module 2 Legal instruments of the use and development of alternative energy			
6	Lec 6. The legal regulation of environmental requirements and assessment	1	
6	Sem 6. Discuss the legal regulation of environmental requirements and assessment	2	7
7	Lec 7. To reveal the legal aspects of standardization of renewable energy sources	1	
7	Sem 7. Discuss the legal aspects of standardization of renewable energy sources	2	8
7	IWMST 2 Consultation on the implementation of the IWMS 2		
7	IWMS 2 “Environmental and legal requirements in the field of alternative energy use “ (report)		25
LEVEL CONTROL 1			100
8	Lec 8. Discussion of legal problems of the economic mechanism for the introduction and development of renewable energy sources in the Republic of Kazakhstan	1	
8	Sem 8. Study of legal problems of the economic mechanism for the introduction and development of renewable energy sources in the Republic of Kazakhstan	2	5
7	IWMST 3. Consultation on the implementation of IWMS 3		
8	IWMS 3. The Kyoto Protocol and the role of RES use in reducing greenhouse gas emissions in Kazakhstan. The Paris Agreement (presentation).		20
9	Lec 9. Ensure access to affordable, reliable, sustainable and modern energy for all	1	

9	Sem 9. Ensure access to affordable, reliable, sustainable and modern energy for all	2	5
10	Lec 10 Discussion of the problems of legal liability for violation of the legislation on alternative energy sources	1	
10	Sem 10. Study of the problems of legal liability for violation of the legislation on alternative energy sources	2	5
	Module 3 International cooperation and world experience in the introduction of alternative energy		
11	Lec 11 Discussion of legal problems of using biofuels as an alternative energy source	1	
11	Sem 11. Consider the features of using biofuels as an alternative energy source	2	5
12	Lec 12 Legal regulation of the use and development of alternative energy sources in foreign countries.	1	
12	Sem 12. Discussion of the legal regulation of the use and development of alternative energy sources in foreign countries.	2	5
12	IWMST. Consultation on the implementation of the IWMS 4.		
12	IWMS 4 Legal regulation of the use of geothermal energy. World experience (essay)		20
13	Lec 13 Legal regulation of the use and development of alternative energy sources in foreign countries.	1	
13	Sem 13. Discussion of the legal regulation of the use and development of alternative energy sources in foreign countries.	2	5
14	Lec 14 Discussion of the problems of international cooperation in the use and development of alternative energy sources in the world	1	
14	Sem 14. Discuss the features of the problems of international cooperation in the use and development of alternative energy sources in the world	2	5
14	IWMST 5 Consultation on the implementation of the IWMS		
15	IWMS 5 Judicial cases in regarding to alternative sources of energy (Presentation)		20
15	Lec 15 Discussion of the problems of international cooperation in the use and development of alternative energy sources between Republic of Kazakhstan and Republic of Azerbaidjan	1	
15	Sem 15. Discuss the features of the problems of international cooperation in the use and development of alternative energy sources between Republic of Kazakhstan and Republic of Azerbaidjan	2	5
15	IWMST 6 Consultation on examination issues		
	LEVEL CONTROL 2		100
	Final control (exam)		100
	TOTAL FOR COURSE 100		100

Dean

Head of department

Chairman of the Academic Committee on the quality of training and education

Lecturer



D.L. Baideldinov

G.A. Kuanaliyeva

A.A. Urisbaeva

A.T. Ibragimov

**SUMMATIVE ASSESSMENT RUBRICATOR
CRITERIA FOR EVALUATING RESEARCH RESULTS**

IWMS 1 Analysis of the structure of global energy consumption. Renewable and non-renewable energy sources (report). (25% out of 100%)

Criteria	«very good» 20-25 %	«good» 15-20%	«satisfactory» 10-15%	«unsatisfactory» 0-10%
Understanding the concept and key elements of ecological safety, current situation of the global energy consumption	Deep understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector Relevant and appropriate references (citations) to primary sources are provided.	Understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector. Relevant and appropriate references (citations) to primary sources are provided.	Limited understanding of concept of environmental and other legal requirements to the activities in the field of maritime and energy sector Relevant and appropriate references (citations) to primary sources are partly provided.	Superficial understanding\Misunderstanding concept of environmental and other legal requirements to the activities in the field of maritime and energy sector. Relevant and appropriate references (citations) to primary sources are not provided.
understanding of the main issues of renewable energy sources and proper state activities in the field of maritime and energy sector	Comparison of environmental legislation is well connected. Excellent support of arguments based on empirical research data (e.g., comparative legal or statistical analysis).	Comparison of environmental legislation. The arguments are supported by empirical research data.	Limited comparison of environmental legislation, relationship is limited. Limited use of empirical research data.	There is little or no correlation in comparing of environmental legislation. There is little or no empirical research.
Policy proposal or practical recommendations	Offers competent political and/or practical recommendations and proposals for the development of environmental legislation in Kazakhstan.	It offers some policy and/or practical proposals and proposals for the development of environmental legislation in Kazakhstan.	Limited policy and practical recommendations for the development of environmental legislation in Kazakhstan. Recommendations are not based on thorough analysis and are superficial	There are practically no political and practical recommendations for the development of environmental legislation or recommendations of very low quality.
Written form, APA style	Writing in the APA style demonstrates clarity, precision, and accuracy. APA style is strictly adhered to.	There are some basic errors in the letter, and clarity needs to be improved. Following the APA style has its features.	The writing demonstrates clarity, precision and accuracy. Mainly follows APA style.	The writing is unclear, the content is hard to catch. There are no following the APA style.

**SUMMATIVE ASSESSMENT RUBRICATOR
CRITERIA FOR EVALUATING RESEARCH RESULTS**

**Analysis of the structure of global energy consumption. Renewable and non-renewable energy sources (report). (25% out of 100%)
IWMS 2 “Environmental and legal requirements in the field of alternative energy use”**

Criteria	«very good» 20-25 %	«good» 15-20%	«satisfactory» 10-15%	«unsatisfactory» 0-10%
Understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector	Deep understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector Relevant and appropriate references (citations) to primary sources are provided.	Understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector. Relevant and appropriate references (citations) to primary sources are provided.	Limited understanding of concept of environmental and other legal requirements to the activities in the field of maritime and energy sector Relevant and appropriate references (citations) to primary sources are partly provided.	Superficial understanding\Misunderstanding concept of environmental and other legal requirements to the activities in the field of maritime and energy sector. Relevant and appropriate references (citations) to primary sources are not provided.
understanding of the main issues of environmental and other legal requirements to the activities in the field of maritime and energy sector	Comparison of environmental legislation is well connected. Excellent support of arguments based on empirical research data (e.g., comparative legal or statistical analysis).	Comparison of environmental legislation. The arguments are supported by empirical research data.	Limited comparison of environmental legislation, relationship is limited. Limited use of empirical research data.	There is little or no correlation in comparing of environmental legislation. There is little or no empirical research.
Policy proposal or practical recommendations	Offers competent political and/or practical recommendations and proposals for the development of environmental legislation in Kazakhstan.	It offers some policy and/or practical proposals and proposals for the development of environmental legislation in Kazakhstan.	Limited policy and practical recommendations for the development of environmental legislation in Kazakhstan. Recommendations are not based on thorough analysis and are superficial	There are practically no political and practical recommendations for the development of environmental legislation or recommendations of very low quality.
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**SUMMATIVE ASSESSMENT RUBRICATOR
CRITERIA FOR EVALUATING RESEARCH RESULTS**

**IWMS 3 “The Kyoto Protocol and the role of RES use in reducing greenhouse gas emissions in Kazakhstan. The Paris Agreement” (presentation).
(25% out of 100%)**

Criteria	«very good» 20-25 %	«good» 15-20%	«satisfactory» 10-15%	«unsatisfactory» 0-10%
Understanding and exemplifying the main international legal acts aimed to decrease and sustain greenhouse gas emissions in the field of maritime and energy sector	Deep understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector Relevant and appropriate references (citations) to primary sources are provided.	Understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector. Relevant and appropriate references (citations) to primary sources are provided.	Limited understanding of concept of environmental and other legal requirements to the activities in the field of maritime and energy sector Relevant and appropriate references (citations) to primary sources are partly provided.	Superficial understanding\Misunderstanding concept of environmental and other legal requirements to the activities in the field of maritime and energy sector. Relevant and appropriate references (citations) to primary sources are not provided.
understanding of the main main international legal acts provisions and the state activities in the field of maritime and energy sector	Comparison of environmental legislation is well connected. Excellent support of arguments based on empirical research data (e.g., comparative legal or statistical analysis).	Comparison of environmental legislation. The arguments are supported by empirical research data.	Limited comparison of environmental legislation, relationship is limited. Limited use of empirical research data.	There is little or no correlation in comparing of environmental legislation. There is little or no empirical research.
Policy proposal or practical recommendations	Offers competent political and/or practical recommendations and proposals for the development of environmental legislation in Kazakhstan.	It offers some policy and/or practical proposals and proposals for the development of environmental legislation in Kazakhstan.	Limited policy and practical recommendations for the development of environmental legislation in Kazakhstan. Recommendations are not based on thorough analysis and are superficial	There are practically no political and practical recommendations for the development of environmental legislation or recommendations of very low quality.
Free form based on APA style	Writing in the APA style demonstrates clarity, precision, and accuracy. APA style is strictly adhered to.	There are some basic errors in the letter, and clarity needs to be improved. Following the APA style has its features.	The writing demonstrates clarity, precision and accuracy. Mainly follows APA style.	The writing is unclear, the content is hard to catch. There are no following the APA style.

SUMMATIVE ASSESSMENT RUBRICATOR
CRITERIA FOR EVALUATING RESEARCH RESULTS
IWMS 4 Legal regulation of the use of geothermal energy. World experience (essay)
(25% out of 100%)

Criteria	«very good» 20-25 %	«good» 15-20%	«satisfactory» 10-15%	«unsatisfactory» 0-10%
Understanding and revealing the main concept and types renewable energy sources, especially the use of geothermal energy in the field of maritime and energy sector	Deep understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector Relevant and appropriate references (citations) to primary sources are provided.	Understanding the concept of environmental and other legal requirements to the activities in the field of maritime and energy sector. Relevant and appropriate references (citations) to primary sources are provided.	Limited understanding of concept of environmental and other legal requirements to the activities in the field of maritime and energy sector Relevant and appropriate references (citations) to primary sources are partly provided.	Superficial understanding\Misunderstanding concept of environmental and other legal requirements to the activities in the field of maritime and energy sector. Relevant and appropriate references (citations) to primary sources are not provided.
understanding of the main issues and types renewable energy sources, the use of geothermal energy in the field of maritime and energy sector	Comparison of environmental legislation is well connected. Excellent support of arguments based on empirical research data (e.g., comparative legal or statistical analysis).	Comparison of environmental legislation. The arguments are supported by empirical research data.	Limited comparison of environmental legislation, relationship is limited. Limited use of empirical research data.	There is little or no correlation in comparing of environmental legislation. There is little or no empirical research.
Policy proposal or practical recommendations	Offers competent political and/or practical recommendations and proposals for the development of environmental legislation in Kazakhstan.	It offers some policy and/or practical proposals and proposals for the development of environmental legislation in Kazakhstan.	Limited policy and practical recommendations for the development of environmental legislation in Kazakhstan. Recommendations are not based on thorough analysis and are superficial	There are practically no political and practical recommendations for the development of environmental legislation or recommendations of very low quality.
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