

KAZAKH NATIONAL UNIVERSITY
named after AL-FARABI

FACULTY OF LAW

DEPARTMENT OF CUSTOMS, FINANCIAL AND ENVIRONMENTAL LAW

FINAL EXAM PROGRAM

97087 Legal regulation of nuclear energy

7M04212 MARINE AND ENERGY LAW (BSU)

The course- 1

Semester -2

The number of credits – 5

The form of study – full-time, online

ALMATY 2023

The final exam program was compiled on the basis of educational program in the specialty 7M04212 Marine and Energy Law, by Ph.D., lecturer Bitabarova Zh.A.

Considered and approved at a meeting of the department of custom, financial and environmental law, dated October 31, 2023, protocol No 5.

Head of the Department,
Doctor of Law, Professor



G.A.Kuanalieva

Chairman of the Academic Committee
on the Quality of education and Training
" 08" 11 2023, Protocol No. 3



A.A.Urisbayeva

Presented at the Academic Council of the Faculty
" 15" 11 2023, Protocol No. 3



Academic Secretary



G.M.Atakhanova

Introduction

Studying in the master's program is carried out in accordance with the State Standard of Compulsory Education of the Republic of Kazakhstan and academic policy, the study of the discipline ends with a final exam, which consists of passing the exam. Only undergraduates who have scored the appropriate points upon completion of the educational process in the discipline in accordance with the curricula and working curricula of the master program are allowed to the examination and final control. The exam is held on the dates specified in the Academic calendar and the working curriculum.

Undergraduates who have received an unsatisfactory grade, passing the final control for this period is allowed only with the payment of the loan and re-training. An appeal is possible. A graduate student who received an unsatisfactory grade on the exam results is registered for re-training by order of the university, if he received 25 points for the exam, then FX exam will be retaken. Documents for health reasons issued after receiving an unsatisfactory grade are not considered. Retaking an exam to increase grades is not permitted.

Final exam on “Legal regulation of nuclear energy” will be held in verbal form, online through the ZOOM platform, in according to exam schedule.

Description of the forms of conducting final control (exam).

1. For admission to the exam, you must score at least 50 points for the current performance in the discipline (Level control 1, intermediate control, arithmetic mean, level control 2).
2. Master students studying on a paid basis for admission to the exam should not have debts in tuition fees.
3. The exam is conducted verbally. The form and schedule of the exam are indicated in the Univer system.
4. During the exam, it is strictly forbidden to use or receive cheat sheets, mobile phones, smart watches and other means for transmitting information, communicate with other students and strangers and / or make other identification records in response.
5. The use of additional information during verbal examination is strictly prohibited.
6. The undergraduate does not have the right to open a ticket in front of the examining teacher to take the exam.
7. The exam is held online via service on the corporate Microsoft Teams platform of Al-Farabi KazNU or in case of technical problems, external ZOOM resources. During the oral examination, video recording is

mandatory. The examination score can be canceled in case of violations this procedure by the undergraduate.

8. At the end of the exam, the points scored by students within 48 hours are put on the certification sheet.

Guidelines for taking the verbal exam online

1. Final control (exam) will be held in the service on the corporate Microsoft Teams platform of Al-Farabi KazNU or in case of technical problems, external ZOOM resources. The process of passing a verbal exam by a student involves the automatic creation of an examination ticket, to which the student must answer verbally by the examination committee. During the verbal examination, video recording is mandatory.

2. Duration of the exam: The preparation time is decided by the examiner or the examination board. The response time is decided by the examiner or the examination committee. Recommended 15-20 to answer all ticket questions.

3. Exam tickets in IS Univer are generated automatically.

4. 30 minutes before the start of the exam, ALL students of the group enter the video conference room organized by the teacher or members of the commission according to the link specified in the rules of the final exam (sent by the teacher / members of the commission in case of disruption of the video communication service).

5. 30 minutes before the start of the exam, they check the possibility of entering the Univer.kaznu.kz system through any browser, but preferably through Google Chrome (in case of losing the login and / or password, the student must contact the curator-adviser before the start of the exam). After verification, they log out of the account pending an invitation from the commission.

6. When the start time of the exam comes, the student, who is called by the commission, shows his identity card (identity card or passport. It is forbidden to take the exam by ID-card) on the camera. Includes screen sharing. Logs into your account in IS Univer goes to the "Exam Schedule" page selects the current exam - by clicking on the "Pass oral exam" button. After clicking on the link "Pass the oral exam" a window will open where the student will see the questions of his examination card. The student shows the screen with the ticket questions, reads them aloud. Transfers the display of the videoconferencing service to the camera and prepares for the answer and after preparation for the period of time set by the teacher or the commission answers the ticket questions.

7. If for technical reasons (power outage, disconnection or low Internet speed) a student who has already opened his ticket is absent from the online exam for more than 10 minutes, then his answer will be canceled. The exam is postponed to another date in agreement with the Department of Academic Affairs.

8. The examination committee and the teacher certify the participants of the exam. They put points in the final sheet in IS Univer. Time for setting points in the attestation sheet for the oral exam is 48 hours. Exam rules: To pass the testing exam, students must first familiarize themselves with all the requirements for conducting an oral exam.

All instructions are uploaded:
https://drive.google.com/file/d/1u_TOKL2MZiJsE3EJluDNNv_68WXb4rG/view?usp=sharing With the date and time of the exam, students must

Assessment policy:

Criteria-based assessment: assessment of learning outcomes in accordance with descriptors, checking the formation of competencies (learning outcomes) at intermediate control and exams.

Examination answers are evaluated on a 100-point scale, taking into account the degree of completeness of the undergraduate's answer:

Grade	Criteria		
Excellent	1. Correct and complete answers to all theoretical questions are given; 2. Completely solved practical task; 3. The material is presented correctly in a logical sequence; 4. Demonstrated creativity.		
good	1. Correct but incomplete answers to all theoretical questions are given, minor errors or inaccuracies are made; 2. The practical task was completed, but a minor mistake was made; 3. The material is presented correctly in a logical sequence.		
Satisfactory	1. Answers to theoretical questions are in principle correct, but incomplete, there are inaccuracies in the wording and logical errors; 2. The practical task has not been fully completed; 3. The material is presented correctly, no logical sequence		
Unsatisfactory	1. Answers to theoretical questions contain gross errors; 2. The practical task has not been completed; 3. In the presentation of the answer, grammatical and terminological errors were made, no logical sequence		
Letter grade	Digital equivalent	Scores in percentage (%)	Grade under traditional system
A	4	95-100	Excellent
A-	3,67	94-90	
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	

FX	0,5	25-49	unsatisfactory
F	0	0-24	

THEMES:

1. The concept and content of relations in the field of nuclear energy use. Goals and objectives of the course "Legal regulation of the use of nuclear energy"
2. The sources of the right to use nuclear energy and the history of the formation of legislation in the field of nuclear and radiation safety at the international and national level.
3. The legal mechanism of state regulation of the use of atomic energy.
4. The problems of public administration in the field of environmental safety in the Republic of Kazakhstan and the Republic of Azerbaijan
5. The legal problems of ensuring nuclear and radiation safety
6. Programs for the development of the nuclear industry in the Republic of Kazakhstan and the Republic of Azerbaijan
7. State control and supervision in the field of nuclear energy use
8. The grounds and types of liability for violation of the legislation on the use of nuclear energy. Vienna Convention on Civil Liability for Nuclear Damage, 1997. Convention on Supplementary Compensation for Nuclear Damage.
9. Conditions and procedure for carrying out activities in the field of nuclear energy use
10. The problems of legal regulation of the management of radioactive waste and spent nuclear fuel. Study the content of the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management.
11. Analysis of environmental and other requirements for the management of radioactive waste and spent nuclear fuel. Legal regime of the nuclear fuel cycle. Code of Conduct for the safety and security of Radioactive Sources.
12. Construction of nuclear facilities and disposal sites. Legal regulation of export and import in the field of nuclear energy use
13. Specifics of transportation of nuclear materials, radioactive substances and radioactive waste
14. The procedure and conditions for the examination of nuclear, radiation and nuclear physical safety. Accreditation of organizations carrying out expert examination of nuclear, radiological, and nuclear security
15. The concept and principles of international nuclear law, its relationship and relationship with national law. International and intergovernmental organizations for cooperation in the field of nuclear energy.

REFERENCES:

1. Russian nuclear law. Textbook / A. I. Grishchenko. M.: Publishing House "Lawyer". 2017. -150 p.
2. Romanova V. V. Problems and trends of legal regulation in the field of atomic energy use. Moscow: Yurist Publishing House. 2017 – 224 p.
3. Sarsembayev M. A. Identification and solution of problems of regulatory and legal regulation of ecology in the construction and operation of nuclear power plants in the EAEU countries // online.zakon.kz

4. Law of the Republic of Kazakhstan No. 405-IV of February 10, 2011 "On Ratification of the Vienna Convention on Civil Liability for Nuclear Damage of 1997" (Consolidated text of the Vienna Convention on Civil Liability for Nuclear Damage of May 21, 1963, as amended by the Protocol of September 12, 1997)//<https://online.zakon.kz>
5. Convention on Nuclear Safety (Vienna, 17 June 1994) // online.zakon.kz
6. Law of the Republic of Kazakhstan dated January 12, 2016 No. 442-V "On the Use of Atomic Energy" // online.zakon.kz
7. Law of the Republic of Kazakhstan dated April 23, 1998 No. 219-I "On radiation safety of the population" // online.zakon.kz
8. Resolution of the Government of the Republic of Kazakhstan dated May 11, 2016 No. 284 "On approval of the Rules for conducting nuclear, radiation and nuclear physical safety expertise" // online.zakon.kz
9. Order of the Minister of Energy of the Republic of Kazakhstan dated February 8, 2016 No. 39 " On approval of the Rules for the organization of collection, storage and disposal of radioactive waste and spent nuclear fuel " // online.zakon.kz

Online resources: educational material-abstracts of lectures, 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.

Internet resources:

1. <http://elibrary.kaznu.kz/ru>
2. <https://online.zakon.kz/lawyer>
3. <https://adilet.zan.kz/rus>

CRITERIA-BASED ASSESSMENT RUBRICATOR OF FINAL CONTROL

Discipline: The theoretical problem of Agrarian Entrepreneurship. Form: verbal (offline). Platform: ZOOM.

№	Балл	DESCRIPTORS				
		«excellent»	«good»	«satisfied»	«unsatisfactory»	
		90-100%	70-89%	50-69%	25-49%	0-24%
Criterion						
1	Understanding the general characteristics and types of legal regulation of Agrarian Entrepreneurship 11 score	Deep understanding of the nature of legal regulation of the theoretical problem of Agrarian Entrepreneurship. Relevant and appropriate references (citations) to primary sources.	Understanding of legal regulation of Agrarian Entrepreneurship. Relevant and appropriate references (citations) to primary sources.	Average understanding legal regulation of the theoretical problem of Agrarian Entrepreneurship Relevant and appropriate references (citations) to primary sources.	Limited understanding of legal regulation of Agrarian Entrepreneurship Relevant and appropriate references (citations) to primary sources.	Superficial understanding/misunderstanding of the legal regulation of Agrarian Entrepreneurship. Relevant and relevant references (citations) to primary sources are not provided.
	Understanding of the main problem Agrarian Entrepreneurship 11 score	It very well connects the comparison of the legislation of the Republic of Kazakhstan in the field of The theoretical problem of Agrarian Entrepreneurship Ideally ground arguments in evidence from empirical research (e.g., comparative legal or statistical analysis).	It very well connects the comparison of the legislation of the Republic of Kazakhstan in the field of the theoretical problem of Agrarian Entrepreneurship with international standards.	Connects the comparison of the legislation of the Republic of Kazakhstan in the field of of Agrarian Entrepreneurship with international standards. Limited connection between the concepts.	Limited use of empirical research evidence.	In comparison with the legislation of the Republic of Kazakhstan regulating legal regulation of Agrarian Entrepreneurship. Connection is insignificant or absent. Little or no empirical research is used.

			Supports arguments with evidence from empirical research.			
	Political proposal or practical recommendations /suggestions 11 score	Preparation of competent scientific and/or practical recommendations related to subsoil use.	Offers some considerations and/or practical recommendations and suggestions related to agrarian entrepreneurship.	Limited practical recommendations. The recommendations are superficial, not based on a thorough analysis, and not critical.	There are few or no practical recommendations, or recommendations of very poor quality.	There are few or no considerations and practical recommendations related to agrarian entrepreneurship. Recommendations has very poor quality
2	Understand concepts through theory 11 score	The general concept of the basic concepts is given	The theoretical concepts of the legal regulation of agrarian entrepreneurship well connected	The recommendations are superficial, not based on a thorough analysis	recommendations of a very low quality concept	there are very few practical recommendations related to the theoretical concepts of arbitration disputes in Kazakhstan
	Understand the basic questions 11 score	Offers some considerations, recommendations in legal regulation of agrarian entrepreneurship	The general concept of the terminology of legal regulation of agrarian entrepreneurship	Discloses the content of the rights to develop rules of personal behavior to prevent unjustified initiation of cases	The main theoretical issues are moderately disclosed	The main issues o legal regulation of agrarian entrepreneurship are poorly disclosed
	Suggestion or practical suggestions/recommendations 11 score	The comparison of the legislation of the Republic of Kazakhstan regulating the legal regulation of agrarian entrepreneurship is very well connected	Supports arguments with empirical research facts	Well demonstrates the clarity, accuracy and correctness of the legal regulation agrarian entrepreneurship	Limited use of empirical research evidence	Little or no empirical research is used.
3	Understand concepts through theory 11 score	Ideal substantiation of arguments by empirical research facts	Connects concepts with theory very well	connects concepts with theory well	Limited use of proofs in theory	They don 't use concepts at all
	Understand the basic questions 11 score	Ideal argumentation of the main issues	It connects concepts well with scientific data.	Limited use of evidence	The answers do not correspond to the main question	The basic answers are of very poor quality.
	oral, style, speech literacy 12 score	Verbally demonstrates clarity, accuracy and	Verbally demonstrates clarity, accuracy	Verbally there are some basic errors and clarity needs to be improved. There	It is unclear what is written, the questions	It is unclear what is written, it is difficult to keep up with the content. There are many

		correctness. Strictly adheres to APA style.	and correctness. Basically adheres to APA style.	are errors in following APA style.	do not correspond to the answer	mistakes in following APA style.
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Formula for calculating the final grade:

+Final grade (KB) = (B1+B2+B3+B4+B5+B6+B7+B8+B9+B10) / 6K, here B is the scoring criterion, K is the general assessment criterion.

Example of calculating the final score

№	Score	«Excellent»	«Good»	«Satisfactory»	«Unsatisfactory»	
		90-100 %	70-89%	50-69%	25-49%	0-24%
1.	Criteria 1	100				
2.	Criteria 2		75			
3.	Criteria 3			60		
4.	Criteria 4				45	
5.	Criteria 5	100				
6.	Criteria 6				49	
	Final %	200	75	60	94	200+ 75 + 60 + 94 = 429

						429 / 6 criteria= 71,5
						Final score, as % = 72

Based on percentage obtained during the calculation, we can compare the score with the rating scale.

72 points range from 70 points to 89 points, which corresponds to the “Good” category according to the grading scale.

Thus, with this calculation, the project will be rated **72 points “Good”** in accordance with the point-rating letter system for assessing educational achievements

students with their transfer to the traditional grading scale and ECTS.