**Syllabus**

**Fall semester of the 2024-2025 academic year**

**Training course "Applied modeling of political processes and situations".**

**Undergraduate educational program on the specialty "8D03104-Political Science".**

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|  **Subject code** | **Name of the subject** | **SSR** | **Number of hours per week** | **Number of credits** | **The Soviet Union** |
| **Lecture****(D)** | **Practice****(PS)** | **Study. lesson (ZS)** |
| RM PPS 7 202 | Applied modeling of political processes and situations | 4 | 1 | 1 | - | 3 | 6 |
| **Academic information about the course** |
| **Type of study** | **Course type / nature​** | **Types of lectures** | **Practical lessons types**  | **Final control type** |
| Off line​ | optional / theoretical | Informative, problematic,visualization,conference,advise, | Seminar discussionSeminar debateWorkshop "Brainstorming"Seminar exchange of ideasSeminar round tableMixed format seminar | Exam |
| **Lecturer** | Abzhapparova Aigul Abdumutalipovna, candidate of political sciences, senior lecturer | According to the schedule |
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| **Academic presentation of the course** |

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| **The purpose of the subject** | **Learning outcomes - LO** | **Indicators of achieving TEN are JI** |
| Formation of knowledge and ability to analyze and evaluate, model and predict global, macro-regional, national-state, regional and local political cultural, social economic and public political processes based on empirical research and applied political analysis methods | As a result of studying the subject, the student will be able to: |  |
| **LO 1** – conduct applied analysis of political processes using qualitative and quantitative methods to evaluate and model various political processes  | **JI 1.1** - explanation of basic theories, paradigms and definitions necessary for political modeling;**JI 1.2** - to learn ways to analyze political reality and model political processes. |
| **LO 2** - conducting applied research based on accumulated theoretical knowledge in political science | **JI 2.1** – to know the methods of political modeling ;**JI 2.2** - to be able to present the results and forecasts of political research ;**JI 2.3** - formation of the ability to use the methods and tools of applied political analysis, modeling and forecasting to determine the laws of development of political processes, to solve political problems. |
| **LO 3** - implementation of politics and political technologiesto master the methodology of political modeling and forecasting through the theoretical study of its principles | **JI 3.1** - mastering the skills of applying it in practice by studying the constituent elements of political modeling;**JI 3.2** - comprehensive disclosure of the place and role of modeling of political processes and events ; **JI 3.3** - use of applied political analysis tools, forecasting and modeling capabilities in various spheres of society;**JI 3.4** - comprehensive mastery of applied political analysis, modeling and forecasting methodology and set of analytical tools . |
| **LO 4** - the ability to evaluate, model and predict global, macro-regional, national-state, regional and local political-cultural, socio-economic and public political processes based on the use of theoretical and empirical research and applied analysis methods | **JI 4.1** - applied analysis and modeling of global and regional political processes using computer technologies;**JI 4.2** - can use methods of assessment and modeling of internal and external political processes**JI 4.3** – use of qualitative and quantitative methods to model political processes and events |
| **LO 5** - formation of skills in the practical use of a complex of applied political analysis, forecasting and modeling methods and tools to provide an overall understanding of the methodology of political modeling, to evaluate the effectiveness of state policy and predict the future, as well as to provide expert-analytical support for political decision-making | **JI 5.1** - predicting the development of the political situation within the framework of the study of the priority directions in domestic and foreign policy, including the problems involving the national interests of Kazakhstan;**JI 5.2** - modeling of political decision-making and implementation, social and economic analysis of politics ;**JI 5.3** - predict the development of the situation within the framework of solving political problems . |
| Prerequisites and postrequisites​ | Applied political science |
| Literature and resources are limited | **Basic :**1. Heywood Andrew. Political science. -Almaty: "National Translation Bureau" public fund, 2020. -520 p.
2. Kretov B.I., Gorbunov A.A. Applied political science: study. allowance. -M.: Vysshaya Shkola, 20 0 9. -303 c. URL : https://poisk-ru.ru/s49925t20.html
3. Lavrinenko V.N. , Putilova L.M. Study of social-economic and political processes: textbook for bachelors. - 3rd ed., pererab. and the ball. - M.: Izdatelstvo Yurayt, 2014. - 251 p . URL : https://urss.ru/PDF/add\_ru/174357-1.pdf
4. Semenov V., Kolesnikov V. etc. Political analysis and forecasting. - St. Petersburg, RF: Peter, 2014. - 432 p.
5. Gracheva M.V. Modeling of economic processes: textbook for universities. - M. : UNITY-DANA, 2015. - 543 c.
6. Nasimova G.O. Political conflictology. - Almaty: Securities, 2008. - 137 p.
7. Ileuova G.T., Mekebaeva M. A. Methodology and organization of social research. - Almaty: Kazakh University, 2014. - 40 p.
8. Nechaeva EL, Askeeva GB, Bekeeva LK. Method of political research. - Almaty: Printmaster, 2011. - 126 p.

**Additional :**1. James E. Anderson. State policy. -Almaty "National Translation Bureau" public fund, 2020. -448 p.2. Sengirbai M. Interethnic conflict and its prevention and regulation technologies: monograph. - Almaty: Kazakh University, 2015. -214 p.3. Abdigalieva G., Zhampetova A. Political modernization. Educational tool. - Almaty: Kazakh University, 20 20 . -158 p.4. Alpysbaev R. The US Key to the Middle East. The start of the Arab Spring. - Almaty: "Almaty-Bolashak", 2020. -238 p.5. Buluktaev Yu., Bokanova Zh., Imanbayeva S., Masatova B. Political system: theoretical aspects and experience of Kazakhstan. Educational tool. - Astana: School of Political Management, 2016. - 156 p.6. Abulkasova A.S., Chevensov A.A. Fundamentals of political management. - Almaty: Kazakh University, 2012. - 136 p.7. Soloviev A.I. Political science: Political theory, political technology: Textbook for university students - M.: Aspect Press, 2017 .**The Internet resource is limited :**1. Degtyarev A. A. Applied political analysis . Electronic textbook for political science students // https://mgimo.ru/files2/2013\_05/up24/file\_59082ae315107afb4191f31a25971edd.pdf1. J. B. Mannheim, R. K. Rich Analysis of public policy and program evaluation . Electronic resource URL: http://www.civisbook.ru/files/File/Mangeim\_1991\_3.pdf
2. Ozhiganov E.N. Concept and modeling of political stability // https://cyberleninka.ru/article/n/kontseptsiya-i-modelirovanie-politicheskoy-stabilnosti
3. Ovcharov A. O. Issledovanie social-economic and political processes [Electronic resource]: textbook. - M.: Direct-Media, 2013. - 260 p. Access mode: http://biblioclub.ru/index.php?page=book&id=215312
4. https://uchebnik-online.com/133/1726.html
5. https://socioline.ru/pages/om-roj-issledovaniya-sotsialno-ekonomicheskih-i-politicheskih-protsessov
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| Academic policy of the course in the context of university moral and ethical values | **Academic discipline rules:**Do not be late for the lesson, during the lesson you must turn off the phones, do not talk on the phone. Teachers should not be disturbed by phone calls outside of working hours and on weekends.Assignments are carried out according to the study schedule, deadlines must be met.**Academic values :**- Practical / laboratory lessons, self-study should be of a creative nature ;, forgery, cheats and copying are not allowed at all stages of knowledge control ;- Students with disabilities can receive advice via e-mail : mceka @ mail . ru . |
| Evaluation and certification policy | **Criterion assessment:** Assessment of training results in accordance with the descriptors, verification of competence formation (targeted training results) in mid-term control and exams.**Summative evaluation:** assessment of participation and activity of work in the classroom; completed taskassessment. |

**Calendar (table) of the content of the training course**

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| --- | --- | --- | --- |
| **Week** | **Theme name** | **Number of hours** | **Max.****b all \*\*\*** |
| Module 1**Form and subject of political modeling** |
| 1 | **D 1 .** Determining the goals and objectives of the subject.The meaning and content of modeling.Features of modeling as a method of applied political science research | 1 |  |
| **PS 1.** Modeling of political processes as a direction of scientific analysis. General overview of modeling problems. Classification of models: material and ideal, heuristic, predictive and pragmatic | 2 | 6 |
| 2 | **D 2 .** Concept of political processes, their classification. Problems of modeling political processes. Main methods of applied research of political processes: general scientific and subject methods. | 1 |  |
| **PS 2.** Political process as a scientific concept. The main theoretical approaches to the study of political processes (K. Marx, A. Bentley, V. Paretto, D. Truman). Institutional and neo-institutional approaches. Behaviorism and structural functional approach. Conceived by Lucian Pai. Theory of ideal types of political processes (M. Weber). | 2 | 6 |
| **1st Soviet Union.** " The importance of modeling in conducting applied political science research " in the topic1-SOLUTIONadvise on |  |  |
| 3 | **D 3 .** Relationships between political modeling and political forecasting. Factual basis for modeling political processes. Technology of using methods of object analysis and creation of models (causal analysis, correlation analysis, factorial and logical analysis). | 1 |  |
| **PS 3.** Modeling of political processes as a basis for scientific forecasting. Short-term and immediate, long-term and medium-term policy modeling and forecasting | 2 | 6 |
| **1 SZJ** . Preparation of an essay entitled " Importance of modeling in applied political science research " . |  | 20 |
| Module 2**Methodology of applied political research** |
| 4 | **D 4 .** Methods of mathematical modeling of political processes . Measurement in Political Science Research. Measurement levels: nominal, ordinal, intermediate. Systematic and random measurement errors. Methods of validity assessment: pragmatic, constructive, discriminant and explicit validation. | 1 |  |
| **PS 4.** Mathematical methods of data analysis of applied researches of the political process. Fundamentals of measurement theory. Algorithms and modeling technologies (with concrete examples). Reliability of measurement and methods of its establishment. Sampling, experiment, factor analysis, latent structure analysis, classification methods, taxonomy, theory / group, statistical methods, information banks, etc. | 2 | 6 |
|  | **2nd Soviet Union.** Political analysis work, modeling on the research topic. Essay |  | 10 |
| 5  | **D 5 .** Technological stages of modeling: determination of goals and means of model creation - model development - model evaluation - ways and means of model testing. | 1 |  |
| **PS 5.** Creation of political modeling programs. The purpose and program of the research. Consideration of alternative competing hypotheses in a research program. Test program of research. | 2 | 6 |
| **2 SZJ .** " Determining the process of its development by modeling a political event ". Project |  | 20 |
| 6 | **D 6 .** Statistical methods in political modeling and forecasting . Use of information systems and computer technologies in political modeling | 1 |  |
| **PS 6.** Prediction of options for the development of the political situation using the method of dynamic analysis of statistical data. Data preparation and sorting. Data visualization: creating tables, charts, histograms. | 2 | 6 |
| Module 3**Political analysis and forecasting** |
| 7 | **D 7 .** Simulation of political events and relations of political forces in society. Political situation as a structure of the political process. Typology of political situations. "Tikhomirov wheel". Structural and logical society model i . | 1 |  |
| **PS 7.** Structure of political modeling. Simulation of political situations using the scenario method. Analysis of location and directions of political forces. Matrix of political forces. "Tikhomirov's political grid" and its modifications. Three-dimensional matrix and its value possibility. | 1 | 6 |
| **3rd Soviet Union.** Acceptance of colloquium control work  |  | 8 |
| **AB 1** |  | **100** |
| 8 | **D 8 .** Regional security models, threats and their classification | 1 |  |
| **PS 8.** Regional security as a scientific concept. Regional Security Center. Types of regions. Potential of regions. Types of regional security models. Conflict and integration factors in regional modeling. | 2 | 5 |
| 9 | **D 9 .** The meaning of political forecast. Life forms and typology of political speculation. Objective basis and conditions of political prediction. | 1 |  |
| **PS 9.** Basic principles and methods of political forecasting. The problem of creating the main stages of political forecasting and its accuracy and precision | 1 | 5 |
| Module 4**Technology of political decision-making** |
| 10 | **D 10 .** Static and dynamic methods of modeling political trends. | 1 |  |
| **PS 10.** Requirement to relate to political decisions. The principle scheme of the problematic situation that requires the adoption of political decisions. Agents of political decisions |  | 5 |
| **4.** Analysis of " interrelationship between modeling and forecasting " . |  | 10 |
| 11 | **D 11 .** Expert assessment as a method of political modeling and forecasting . | 1 |  |
| **PS 11.** Modeling by creating alternative scenarios that consider the directions of development of political events. Formulation of hypotheses. Scenario models in optimistic and pessimistic versions | 1 | 5 |
| **3** Simulation of political trends in a certain region. Project |  | 10 |
| 12 | **D 12 .** Diagnostics of political situations: types and methods. | 1 |  |
| **PS 12.** Purpose, functions, methods of socio-political diagnostics. Application of diagnostic technologies and methods in modeling political and social processes . Survey as a means of diagnosing socio-political mood | 2 | 5 |
| Module 5**Political technologies** |
| 13 | **D 13 .** The importance of using modeling in the process of development and adoption of political decisions . | 1 |  |
| **PS 13.** Use of political modeling in the field of public administration. Factors affecting the effectiveness of political decisions. Assessment of the ability of political decisions to successfully solve social problems . | 1 | 5 |
| **5. Acceptance of the** 4-SSP project "Modeling of political trends in a certain region" . |  | 15 |
| 14 | **D 14 .** Systematic-communicative modeling of social and political situation . The structure of interaction of the political subject with the environment. Easton model: "input" and "output" signals, feedback. | 1 |  |
| **PS 14.** Systematic-communicative modeling of the socio-political situation, interaction of the political subject with the environment. A framework of social and political problems, predicting the reaction of the environment. Structure and rating of problems. Structure of public environment, social groups and coalitions. Factors of political power. Political direction. Severity of problems, level of socio-political tension, concepts of danger. Limits of application of system-communicative modeling. | 1 | 5 |
|  | **4** Check the effectiveness of political decisions by modeling the project. Abstract |  | 15 |
| 15 | **D 15 .** Methodology of political risk analysis and modeling. Conceptual-categorical apparatus of political risk research, Political risk factors, Political risk subject, Political risk object, Political risk manifestations, Political risk sources, modeling of types of risk. | 1 |  |
| **PS 15.** Political risk modeling and forecasting technology. Analysis of possible and real political risks in Kazakhstan society, modeling by creating scenarios of occurrence and development | 2 | 5 |
|  | **6th Soviet Union.** Colloquium. Acceptance of control work  |  | 10 |
|  | **AB 2** |  | **100** |

**Dean of the Faculty of Philosophy and Political Science Meyirbaev B.B.**

**of the department Nasimova G. O.​**

**A risk taker Abzhapparova A.A.**