

Study program: Geoinformation Technologies**Qualification: PhD**

| General Information | | | |
|---|---|--------------------------------------|-----------------|
| University | Armenian National Agrarian University (ANAU) | | |
| Course title | Land Policy And Land Rearrangement | | |
| The responsible lecturer | Professor Gurgen Yeghiazaryan yeghiazaryangurgen@gmail.com Professor Paruyr Efendyan armgeoinform@mail.ru | | |
| Course type | Elective | | |
| Course Goal | The course aims to identify land policy priorities for the development of the agricultural sector, ensuring food security, sustainable community development, digital agriculture and the introduction of innovative technologies. | | |
| Prerequisites and co-requisites (if applicable): | Land Cadaster and Land management | | |
| Duration and ECTS Credits | In credits (ECTS) | In hours | Semester |
| | 5 | 150 (40 auditorium + 110 individual) | Fall |
| Learning Outcomes | After completing this course, the students should be able to: <ul style="list-style-type: none">• analyze the legal basis of the agrarian policy in RA• analyze the development of agricultural infrastructure• identify opportunities to implement modern technologies• analyze and develop strategic approaches to food security• analyze the state of individual agri-food branches and develop ways to improve them | | |

| | | |
|---|--|---|
| Syllabus (List of lessons) | Module 1 | The main goals and objectives of agrarian policy and organization |
| | | <ul style="list-style-type: none"> • The purpose of agrarian policy development • Problems of state management of the agrarian sector • Food safety issues of the country |
| | Module 2 | State support policy for agriculture |
| | | <ul style="list-style-type: none"> • Strengths and weaknesses • Opportunities and threats • State bodies and infrastructures for conducting agrarian policy |
| | Assignment #1 | Each should present the functions of state support for agriculture and the mechanisms for their implementation |
| | Module 3 | Legal foundations of agrarian policy, management system, rural and agricultural development programs |
| | | <ul style="list-style-type: none"> • Present the content of the legal basis of the agrarian policy • Separately present the vision of the development of the village and agriculture, and the mechanisms of their implementation • Effective land allocation projects and schemes for the organization's agrarian sector |
| | Assignment #2 | Will be assigned to study the strengths and weaknesses of the land policy for a specific village or region, to develop measures and programs for increasing the efficiency of land use, taking into account environmental requirements. |
| Module 4 | The main problems of agrarian policy by regions | |

| | | |
|--------------------------|---|--|
| | | <ul style="list-style-type: none"> • Current state of agriculture and mechanisms of state regulation • The main obstacles to the implementation of agrarian policy by administrative territorial units • Opportunities for the development of the agri-food sector |
| | Assignment #3 | To carry out a study of the current state of agriculture and the mechanisms of state regulation for a specific region, to identify the main obstacles to the development of this sector and to identify the opportunities to overcome them. |
| | Module 5 | Sustainable development of the system of agrarian policy and organization |
| | | <ul style="list-style-type: none"> • Sustainable development of agriculture • Processing of agricultural products • Development of agricultural infrastructure |
| | Assignment #4 | Conduct a comprehensive analysis of the agrarian system |
| | Module 6 | Forms of land use organization and trends and mechanisms for their improvement |
| | | <ul style="list-style-type: none"> • Mechanisms for increasing the efficiency of agricultural land use • Impact of community enlargement on land use efficiency • The foundations of the economic assessment of lands and their significance on the development of agriculture. |
| | Assignment #5 | Natural resource accounting, assessment and analysis in a GIS environment |
| Short description | Study the main priorities of the RA government's agrarian policy for 2020-2030. | |

| | |
|--|--|
| | <p>Discover the strengths and weaknesses of agricultural development.</p> <p>Apply the real possibilities of effective implementation of educational, research, scientific production and consulting works.</p> <p>To identify the possibilities of introducing new technologies for effective land use.</p> <p>Contribute to increasing the effectiveness of the development and application of insurance rates in the agricultural sector.</p> <p>To develop ways to solve the problems of land organization of magnified communities.</p> <p>To study the basic principles, methodology and strategy of agri-food sector support.</p> |
| <p>Recommended textbooks and links (in order of relevance):</p> | <p>Required text and materials</p> <ol style="list-style-type: none"> 1. (ICARE) Ways to promote investments in the RA Agriculture sector, Yerevan 2017. 2. The RA Law "On Agricultural Cooperatives" was adopted on December 21, 2015. 3. Modern problems of economic development and distribution of the Republic of Armenia. Proceedings of the Republican Conference, Yerevan 2015. 4. Terteryan V., Darbinyan A., Sardaryan L. On the methodology of summary assessment of the levels of socio-economic development of rural communities. Problems of economic development and management (collection of scientific works) book 4. - Yerevan.: OR-DAR ed., 2012. 5. Hovhannisyanyan L. The role of the agrarian sector in the development process of Armenia's economy, Alternative Scientific Journal. 6. Links for the assessments and learning http://rst.gsfc.nasa.gov/start.html http://www.vtt.fi/tte/research/tte1/tte14/virtual http://www.esri.com |

| | http://www.dataplus.ru | | | | | | | | | | | | |
|--|--|------------|---------|---|---|------------|----|---|-----------------|----|---|------------|----|
| Assessment methods and criteria | Final exam with 100% and 20-point grade. To successfully complete this course, students must achieve a passing grade of 50% or higher on the overall course and on the mandatory final project (individual work). Under final project students should develop a research proposal. Evaluation factors (%) and their actual score on a 100-point scale | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>№</th> <th>Factor:</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Attendance</td> <td>15</td> </tr> <tr> <td>2</td> <td>Individual work</td> <td>40</td> </tr> <tr> <td>3</td> <td>Final exam</td> <td>45</td> </tr> </tbody> </table> | № | Factor: | % | 1 | Attendance | 15 | 2 | Individual work | 40 | 3 | Final exam | 45 |
| | № | Factor: | % | | | | | | | | | | |
| | 1 | Attendance | 15 | | | | | | | | | | |
| 2 | Individual work | 40 | | | | | | | | | | | |
| 3 | Final exam | 45 | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Course evaluation scale according to the ECTS evaluation system

| Evaluation | Accumulated points (%) | ECTS/ATC Grade | 20 point scale | ANAU Grade |
|------------|------------------------|----------------|----------------|------------|
| Pass | 90-100 | A | 18-20 | 5 |
| | 80-89 | B | 16-17 | 4 |
| | 70-79 | C | 14-15 | 4 |
| | 60-69 | D | 11-13 | 3 |
| | 50-59 | E | 8-10 | 3 |
| Fail | 0-49 | F/FX* | 0-7 | 2 |