

LAND GOVERNANCE MASTER PROGRAMMER

**Discipline “SUSTAINABLE RURAL LAND
DEVELOPMENT”**

Responsible university

*Kharkiv National Agrarian University
named after V.V. Dokuchaev*

Course is developed by

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Associate Prof. Timoshevsij Vladislav*





SUSTAINABLE RURAL LAND **DEVELOPMENT**

Integrative module

Total ECTS - 4

Is studied in

2st years

3st term

for Agrarian Universities



Basis for learning:

Land Use Planning (Organization) Project

Landscape and Land Protection

Optimization of Land Use and Protection of Rural Land

GIS for Land Surveying

Aim and objectives of the course

Students are familiar with development theory as well as sustainable development policy and are acquainted with the basic principles and current trends in this field.

They are also able to critically discuss theoretical and political approaches as well as their benefits and restrictions.

The students will know about advantages and disadvantages of the different methods and are able to assess their efficiency within different contexts.



SUSTAINABLE RURAL LAND DEVELOPMENT

Total hours	Classroom total/ hours	lectures	practice	Exam/ hours	individual student's work	% of class rooms
144	44	32	16	54	42	0,3



Course syllabus

##	Topic	Number of hours		
		Total	Lecture	Practice
	TOTAL	48	32	16
1.	Framework of Sustainable Rural Land Development	22	16	6
2.	Project Development	26	16	10



Structure of the lectures

Topic #1 “Framework of Sustainable Rural Land Development”

Lecture #1 “Theoretical and Methodical Framework for Sustainable Development” – 2 hours

The basic meaning, definitions, principles and methods of sustainable development including rural development will be presented and discussed.

Lecture #2 “Principle Elements of Sustainable Rural Land Development” – 6 hours

The students will be introduced to key principles of sustainable rural land development including subsidiarity and decentralisation of authority and resources to the closest appropriate level, equitable access to decision-making processes and the basic necessities of rural life, efficiency in promoting local economic development, transparency and accountability in decision-making, and security of individuals and their living environment will be presented and discussed.

Planning of national, regional and local programme and Comprehensive Development Schemes including an assessment of results will be discussed and presented.



Structure of the lectures

Lecture #3 “Economics of Sustainable rural Land Use” – 8 hours

During the session students will learn the main aspects of sustainable rural land use.

They will discuss the agricultural problems of modern society and aspects of land (agricultural) economics such as assessing and comparing costs and benefits of rural land resources in order to optimise their allocation.

They will become familiar with the terms of supply and demand functions in regard to private goods and rural resources.

Students will discuss the dynamic approach that deals with the optimal time paths of land use comparing actual and future costs and benefits, time preference and the concept of discounting.

Based on the example of soil erosion, its economic consequences and the profitability of soil conservation, the optimal resource use on farm level will be discussed.



Structure of the lectures

Topic #2 “Project Development”

Lecture #4 “Rural Development Issues” – 4 hours

Lectures set out about positive rural development, promoting sustainable farms and agricultural enterprises that fulfill the promise of development for the rural inhabitants.

Students will become familiar with issues such as: land, financing, rural services to the poor, land management, local economic development, rural environment, rural poverty, hazard risk management, state and market failures and local government responsibilities.

Lecture #5 “Project developments for rural land development” – 6 hours

Concepts, principles and approaches of rural project management will be presented and discussed.

Students will be introduced to the concept and indicators of sustainable rural land development, conceptual framework, strategies, and techniques of planning.

State land use controls, land protection and rural land monitoring will be discussed.



Structure of the lectures

Lecture #6 “GIS in the planning process” – 6 hours

Students will be introduced to methodological and theoretical background of Geographical Information Systems.

The using of GIS and related computer-based information technologies for rural management, Land Use Planning and Regionally Oriented Project Planning will be presented and discussed.

They will also discuss the combination of simple participatory planning tools with more sophisticated ones such as GIS to be able to decide which instruments are most suitable under what kind of circumstances.



Structure of the practice work

- Students undertake more deep analyses and practical work concerning sustainable rural land development
- Students solve the certain problems concerning property rights and land use planning (formation and/or amalgamation of land parcels for farming purposes, infrastructure development (roads, forest bell, pack houses, irrigation systems, etc) development of plant-grower and stock-raising, goods supply etc.)
- Workshops for some certain cases



Exercises

Objective: *the students will have to develop a rural land development project (concerning rural (agricultural) lands) and make an assessment of the results.*

Total contents:

- **Introduction** (*object of the project, main purpose, project planning principles, strategic planning, ...*)
- **Theoretical and constitutional framework**
- **Characteristics and analysis of planning object**
- **Land use planning development**
- **Results and analysis**
- **Conclusions and recommendations**



List of literature

1. Land Use Planning Methods, Strategies and Tools / B. Aniler, D. Betke, H. Eger, C. Ehrich. – Eshborn, 1999.
2. Land Use Planning and The Environment / Charles Haar, Michel Wolf. – Environment Law Institute, 2010 – 800 p.
3. Multifunctional Rural Land Management – Economics and Policies / Edited by Floor Brouwer and C. Martijn van der Heide. – Earthscan March 2009. – 384 p.
4. Третяк А.М. Землевпорядне проектування: Теоретичні основи і територіальний землеустрій: навч. посібник / А.М. Третяк. – К.: Вища освіта, 2006. – 528 с.
5. Концептуальні положення переходу України до сталого розвитку. – К.: Наук. думка, 1996. – 37 с.
6. Концепція збалансованого (сталого) розвитку агроєкосистем в Україні на період до 2025 року.
<http://zakon.nau.ua/doc/?Code=v0280555-03>
7. Тихонов А.Г. Наукові засади сталого розвитку землекористування: сутність, підходи, закономірності / А.Г. Тихонов // Землевпорядкування. – 2002. - №2. – С.3-21.



List of literature

1. FAO (2002): Land Tenure and Rural Development / Land Tenure Studies 3, Rome.
2. Lerman, Zvi, Csaki, Csaba and Feder, Gershon (2004): Agriculture in Transition: Land Policies and Evolving Farm Structures in Post-Soviet Countries. – Lexington Books, London, Boulder, New York, Toronto and Oxford.
3. Третяк А.М. Теоретичні основи землеустрою. – К.: Ін-т землеустрою УААН, 2002. – 152 с.
4. Кривов В.М. Екологічно безпечне землекористування Лісостепу України. Проблеми охорони ґрунтів. – К.: Урожай, 2006. – 304 с.
5. Основи землевпорядкування: навч. посіб. Для підготовки бакалаврів у вищ. навч. закл. II-IV рівнів акредитації / В.М. Кривов, Р.В. Тихоненко, І.П. Гетманчик; за ред. В.М. Кривої. – 2-е вид., доп. – К.: Урожай, 2009. – 324 с.

