

Land Governance Master programmer

Discipline ***“Land consolidation”***

Responsible university

Lviv National Agrarian University

Course is developed by

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Land consolidation

Integrative module

Total ECTS - 8

Is studied in

2st years

3st term

for Agrarian Universities



Basis for learning

- **Land Management;**
- **Land Cadastre;**
- **Surveying, Cadastre and Environmental Law;**
- **Land Use Planning;**
- **Geodesy and Cartography;**
- **Land Surveying;**
- **GIS-technology.**



Aim and objectives of the course ***“Land consolidation”***

➔ **to study theoretical bases, scientific and methodical positions of land consolidation and to get practical skills on the developing of land consolidation projects.**



Land consolidation

Total hours	Classroom total/ hours	lectures	practic	Exam/ hours	individual student's work	% of class rooms
288	96	48	48	54	138	0,3



Course syllabus

##	Topic	Number of hours		
		Total	Lecture	Practice
1	Introducing the land consolidation	2	2	-
2	Concepts of land consolidation theory	12	8	4
3	Foreign experience of land consolidation	28	14	14
4	Development of land consolidation in Ukraine	14	8	6
5	Methodology and forms of land consolidation	18	8	10
6	The procedure of land consolidation	22	8	14
	All hours	96	48	48



Structure of the topic

Topic #1

INTRODUCING THE LAND CONSOLIDATION

2 hours

- **Aim and task of the course “Land consolidation”.**
- **The role of discipline of “Land consolidation” in training specialists on Land Surveying.**
- **Necessity of realization of land consolidation.**
- **A place of land consolidation in the system of market relations.**
- **Terminology of land consolidation (definition of terms “land fragmentation”, “land shares”, “land consolidation”, “land banks”).**



Topic #2

CONCEPTS OF LAND CONSOLIDATION THEORY

8 hours

- Principles and functions of land consolidation.
- Objectives of land consolidation (agriculture, forestry, urban territory, water objects, other land use need).
- The role of land consolidation for sustainable land use.
- Potential results and impacts of land consolidation procedures.
- Legal regulation land relations with the reference to land consolidation.
- Land banks as a instrument for land consolidation.



Topic # 3

FOREIGN EXPERIENCE OF LAND CONSOLIDATION

14 hours

- Experience of realization of land consolidation in the Nordic countries (Sweden, Finland, Norway).
- Experience of realization of land consolidation in the countries of Western and Central Europe (Germany, Austria, Luxembourg, Netherlands, Belgium, France, Poland, Lithuania, Czech Republic, Romania).
- Problems of land use in the countries of Eastern Europe (features of agricultural land consolidation in Russia and Moldova).



Topic #4

DEVELOPMENT OF LAND CONSOLIDATION IN UKRAINE

8 hours

- **The Ukraine situation in terms of transformation of land relations (land fragmentation).**
- **Problems and possibility of land consolidation in Ukraine.**
- **Problems legislative provision of land consolidation (the absence of market of agricultural land).**
- **Legal measures of avoiding further of land fragmentation.**



Topic #5

METHODOLOGY AND FORMS OF LAND CONSOLIDATION

8 hours

- **Methodology of land consolidation (strategy of the project, information meetings with the owners, photographic interpretation, field inventory, surveys of the new boundaries, costs, decision making).**
- **Basic methods of land consolidation (exchange of land, lease of land, redemption of land, compensation).**
- **Forms of land consolidation (group and individual consolidation, voluntary and compulsory land consolidation).**
- **Instruments of land consolidation (land market, land banks).**





Topic # 6

THE PROCEDURE OF LAND CONSOLIDATION

8 hours

- **Definition perimeter outer boundary.**
- **Classification of parcels.**
- **Preliminary plan.**
- **Land consolidation plan.**
- **Ownership registration and allocation.**
- **Development of scenarios of realization of the measures of agricultural land consolidation and nature protection.**



Structure of the seminar and practice work

Seminar #1

Theme: ***THEORETICAL BASES OF LAND CONSOLIDATION***

Aim: To learn the concepts, principles and functions of land consolidation.

Duration of seminar – 4 hours.

Seminar #2

Theme: ***REALIZATION OF LAND CONSOLIDATION IN THE EUROPEAN COUNTRIES***

Aim: To learn the specific features of land consolidation abroad.

Duration of seminar – 14 hours.





Seminar #3

Theme: ***DEVELOPMENT OF LAND CONSOLIDATION IN UKRAINE***

Aim: To study historical pre-conditions and possibilities for land consolidation in Ukraine.

Duration of seminar – 6 hours.

Practice work

Theme: ***DEVELOPMENT OF LAND CONSOLIDATION PROJECT***

Aim: To master general recommendations to development of land consolidation project.

Duration of practice work – 24 hours.



List of literature

1. Land consolidation. Tirana, Albania Agricultural Service Project, available at – <http://www.logincee.org/file/18547/library>.
2. Daugaliene V. (2004), Preparation on land consolidation in Lithuania. Symposium on moderne land consolidation, September 10-11, Volvic, France.
3. Einhard Schmidt-Kallert. A short introduction to micro-regional planning. – Budapest, 2005. – 42 p.
4. FAO. 2003. How to start your land consolidation project : the legal issues. FAO Subregional Office, Budapest.
5. Fatbardh Sallaku. Land fragmentation and land consolidation in Albania, available at – <http://www.fao.org/REGIONAL/SEUR/.../Albania>.
6. Kopeva D. 2002. Land fragmentation and land consolidation in Bulgaria. The International CEEC Symposium, 25-28 February, Munich.
7. Land administration in the unece region : Development trends and main principles. – UNITED NATIONS, ECONOMIC COMMISSION FOR EUROPE. – Geneva, – 2005. – 112 p.
8. Latruffe L. and Mouel C. Description of agricultural land market functioning in partner countries, INRA-ESR, Deliverable 9 of the IDEMA project, January 2006.
9. Ministry AFF. 2001. Land consolidation in Slovenia. Ljubljana, Ministry of Agriculture, Forestry and Food.
10. Operations manual for land consolidation pilot projects in Central and Eastern Europe. – Roma: FAO, 2004. – 69 p.
11. Riddell, J. & Rembold, F. 2002. Farm land rationalization and land consolidation.
12. Rusu, M. 2002. Land fragmentation and land consolidation in Romania. The International CEEC Symposium, 25-28 February, Munich.
13. Tkachuk L. Land consolidation: effective use and guard. – Lviv : Lviv National Agrarian University, 2009. - 249 p.
14. The Design of Land Consolidation Pilot Projects in Central and Eastern Europe. – Roma: FAO, 2003. – 65 p.
15. Thomas J. Property rights, land fragmentation and the emerging structure of agriculture in Central and Eastern European countries. Vol. 3, No. 2, 2006, pp. 225–275. – Available online at <http://www.fao.org/es/esa/eJADE>.
16. Thomas J. 2001. Rural development and land consolidation for Armenia. Report for UNDP/SCC workshop, October, Yerevan.
17. Van Dijk T., 2003. Dealing with Central European Land fragmentation, A critical assessment on the use of Western European instrument, dissertation Delft University of Technology.
18. Zimmermann W. Effective and Transparent Management of Public Land : Experiences, Guiding Principles and Tools for Implementation. – International Federation of Surveyors, December 2008.

