UNIVERSITATEA DE ŞTIINŢE AGRICOLE ŞI MEDICINĂ VETERINARĂ CLUJ-NAPOCA
Facultatea de Agricultură
Calea Mănăştur 3-5, 400372, Cluj-Napoca, România
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No._____of _____

USAMV form 0102010107 (discipline code)

SUBJECT OUTLINE

1. Information on the programme

1.1. Higher education institution	**University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca**
1.2. Faculty	**Agriculture**
1.3. Department	III – Environmental and plant protection
1.4. Field of study	Environmental Engineering
1.5. Cycle of study[1]	Bachelor
1.6. Specialization/ Study programme	Engineering and environmental protection in agriculture
1.7. Form of education	Full time

2. Information on the discipline

2.1. Discipline name	Organization and systematization of the territory							
2.2. Course coordinator	PhD. Lecturer Cristian IEDERAN							
2.3. Seminar/ laboratory/ project coordinator	PhD. Lecturer Cristian IEDERAN							
2.4. Year of study		2.5. Semester		2.6. Evaluation type	continuous	2.7. Discipline status	Content[2]	
							Compulsoriness[3]	DI

3. Total estimated time (teaching hours per semester)

3.1. Hours per week – full time programme		**out of which: 3.2. lecture**		**3.3. seminar/ laboratory/ project**	**1**
3.4.Total number of hours in the curriculum		**out of which: 3.5. lecture**		**3.6.seminar/laboratory**	**14**
Distribution of the time allotted					**hours**
3.4.1. Study based on books, textbooks, bibliography and notes					20
3.4.2. Additional documentation in the library, electronic platforms and field experiences					10
3.4.3. Preparing seminars/ laboratories/ projects, subjects, reports, portfolios and essays					28
3.4.4. Tutorials					14
3.4.5. Examinations					20
3.4.6. Other activities					
3.7. Total hours of individual study	92				
3.8. Total hours per semester	120				
3.9. Number of credits[4]	4				

4. Prerequisites (if applicable)

4.1. curriculum-related	Environmental quality monitoring, Environmental economics., Ecology, Topography
4.2. skills-related	It's not necessary.

5. Conditions (if applicable)

5.1. for the course	The course is interactive, students can ask questions about the content of the exhibition. The university discipline requires the observance of the start and end time of the course.
5.2. for the seminar/ laboratory/ project	At seminars it is compulsory to go through the teaching material that contains each topic. Academic discipline is required throughout the duration of the seminars.

6. Cumulated specific competences

Professional competences	• Familiarity with the main notions, concepts and elements used in the field of spatial planning. • Knowledge of the institutional framework and the main normative acts that govern and regulate the specific activity of territorial planning. • Interpretation of the documentation of spatial planning and urbanism (methodology, conditions and stages of elaboration, structure and content. • Interpretation of strategies for spatial planning (national, area, county) and integrated urban development.
Transversal competences	• perception of the dynamic character of the activity of spatial planning and urbanism; • creative exploitation of its potential in student scientific activities (participation in scientific symposia, articles in academic publications, etc.), ability to perceive the performance of managing human communities • knowledge of working methods used in spatial planning, including techniques based on computer use.

7. Discipline objectives (based on the cumulated specific competences)

7.1. General objective	The course ORGANIZATION AND SYSTEMATIZATION OF THE TERRITORY has as a general objective the transmission of knowledge regarding the elaboration of a plan for organizing an operational territory under given conditions and the judicious, optimal systematization of the agricultural territory, of the rural and national space and the students' acquisition of the methods and the concepts of the elements, of the concepts base in the field of spatial planning.
7.2. Specific objectives	The specific objectives refer to: • Initiation of students in the analysis and interpretation of territorial relations, in the context of the legislative, normative and scientific framework of territorial planning. • Familiarize the students with the current practical-applicative coordinates of the territorial planning activity, whose purpose is the elaboration of the spatial planning plans. • Formation of communication skills and operationalization of the knowledge acquired through the elaboration and support of reports focused on the in-depth study of case studies presented in the topic related to the course.

8. Content

8.1. COURSE **Number of hours –14**	Teaching methods	Observation
	Lecture	
I. Organization of the territorial space. General characters. 1. The natural and anthropic organization of the terrestrial space. General aspects, definitions of the organization of the territory, importance. 2. Modern concepts in spatial planning.	Lecture	2 hours
II. The basic steps, principles and objectives of territorial planning.	Lecture	1 hour
III.European Charter of spatial planning. Concepts, object of study. Territorial planning policies in some EU countries	Lecture	1 hour
IV. Territory organization - the basis of sustainable land use. Classification of the activities of organization of the territory. Steps of approach: plans of spatial planning and urban planning, the organization of the territory interunities. 1. Organization and planning of the territory within the units.	Lecture	2 hours
V. Territorial planning at higher spatial level (state). 1. Territorial planning in Romania. Systematizing the territory during the communist period.	Lecture	2 hours
VI. National Territory Systematization Plan: - section I - Communication Paths / Transport Networks - section II - Water - section III - Protected areas	Lecture	2 hours

- section IV - Network of localities. - section V - Natural risk areas - section VI - Tourist areas		
VII. Regional planning at the regional level and regional development. Regional development in Romania. Northwest Region Land Use Plan (North West PATR). Inter-County Planning Plan (PATJ)	Lecture	2 hours

8.2. PRACTICAL WORKS **Number of hours – 14**	Teaching methods	seminar
	Lecture and exemplification	hours
I. Resources in the context of contemporary society: categories, consumption, environmental impact, trends.	Lecture and exemplification	2 hours
II. Management of the territory and localities. The statistical situation of the land, the structure and the use of the land.	Lecture and exemplification	2 hours
III. Rules and conditions in the activity of urban planning and spatial planning	Lecture and exemplification	1 hour
IV. General Urban Plan - case study	Lecture and exemplification	2 hours
V. The Charter of European Urbanism - provisions, challenges	Lecture and exemplification	2 hours
VI. Planning of the urban territory. Case study: Cluj-Napoca municipality. Field application	Lecture and exemplification	1 hour
VII. Participation of citizens in the activity of urban planning and spatial planning	Lecture and exemplification	2 hours
Colloquium to support the work and to verify the knowledge	testing	2 hours

Compulsory bibliography:

1. Bold, I., Organizarea teritoriului, Ed. Mirton, Timişoara, 1999
2. Harouel, J-L., Istoria urbanismului, Ed. Meridiane, Bucureşti, 2001.
3. Ghiga, C., Infrastructură teritorială şi dezvoltare urbană, Ed. Uranus, Bucureşti, 2005.
4. *Economia mediului şi protecţia agroecosistemelor.* Marinela Gereş, T.Rusu, M.I.Gereş, 2003. Editura Risoprint, Cluj-Napoca
5. *Economia mediului.* Rusu Teodor, Gheres Marinela, 2008. Editura Risoprint Cluj-Napoca

Optional bibliography:

1. *Economics of Natural Resources and the Environment*, 2001, David W. et al. Baltimore, The Johns Hopkins University Press.
2. Surd, V., Bold, I., Zotic, V., Chira, Carmen (2005), *Amenajarea teritoriului şi infrastructuri tehnice*, Edit. Presa Universitară Clujeană, Cluj-Napoca, p. 372-378
3. Săgeată, R. (2004), *Modele de regionare politico-administrativă*, Edit. Top Form, Bucureşti, p. 79-96

9. Corroborating the discipline content with the expectations of the epistemic community representatives, of the professional associations and of the relevant employers in the corresponding field

The content of the discipline is consistent with what is done in other university centers in the country and abroad. From the analysis of the opinions formulated by the employers on the preferential attributes of the training of specialists, a high degree of appreciation of their professionalism has been obtained, which confirms that the structure and the content of the educational curriculum built for this study program are correct, comprehensive and efficient.

10. Evaluation

Type of activity	10.1. Evaluation criteria	10.2. Evaluation type	10.3. Percentage of the final grade
10.4. Course	- theoretical tests for the verification of knowledge - questionnaires and debates	continuous	20% 50%
10.5. Seminar/Laboratory	- drawing up reports - case studies		30%
10.6. Minimum performance standards			
Mastery of scientific information transmitted through lectures and practical papers at an acceptable level. Obtaining the passing grade for the ongoing checks is a condition of promotability.			

1 Cycle of studies - choose one of the three options: Bachelor/Master/Ph.D.

2 according to the educational plan

3 Discipline status (compulsoriness) - choose one of the options – **DI** (compulsory discipline) **DO** (optional discipline) **DFac** (facultative discipline).

4 One credit is equivalent to 25-30 hours of study (teaching activities and individual study).

Filled in on
04.09.2019

Course coordinator
PhD. Lecturer Cristian IEDERAN

Laboratory work/seminar coordinator
PhD. Lecturer Cristian IEDERAN

Approved by the
department on
05.092019

Head of the Department
Prof. dr. Ioan OROIAN