

COURSE SYLLABUS

1. Data about program

1.1 Higher education institution	"Babeş-Bolyai" UNIVERSITY Cluj-Napoca
1.2 Faculty	Environmental Science and Engineering
1.3 Department	Environmental Analysis and Engineering
1.4 Field of studies	Environmental Engineering
1.5 The cycle of studies	License
1.6 Study program / Qualification	Environmental Engineering

2. Data about discipline

2.1 Name of the discipline	Land Use Planning						
2.2 course activities	Lect. Nicolae Baci						
2.3 seminar activities	Lect. Nicolae Baci						
2.4 Year of study	3	2.5 Semester	6	2.6. Type of evaluation	E	2.7 Type of discipline	C

3. Estimated total time (hours per semester of teaching activities)

3.1 Number of hours per week	4	Of which: 3.2 course	2	3.3 seminar/laboratory	2
3.4 Total hours from the curriculum	56	Of which: 3.5 course	28	3.6 seminar/laboratory	28
Distribution of the time fund:					h
Study according to the textbook, course support, bibliography and notes					20
Additional documentation in the library, on specialized electronic platforms and in the field					20
Preparation of seminars/laboratories, assignments, reports, portfolios and essays					20
tutorial					8
EXAM					2
Other activities:					
3.7 Total hours of individual study	70				
3.8 Total hours per semester	126				
3.9 Number of Credits	5				

4. Prerequisites (where applicable)

4.1 of the curriculum	•
4.2 skills	•

5. Terms (where applicable)

5.1 Conducting the course	• Video projector, internet connection
5.2 Conducting the seminar/laboratory	• Video projector, internet connection

6. The specific skills accumulated

Professional skills	• familiarizing students with the terminology necessary to know the fields of land planning; evaluation and spatial analysis of land use types. • Evaluation of the anthropogenic impact on the natural and built environment
Transversal skills	• formation of practical skills for analysis and interpretation of local and national territory development plans; the evaluation of the decision-making process and the public debate regarding the planning of the territory • identifying problems that influence the quality of the rural and urban environment

7. The objectives of the discipline (resulting from the grid of accumulated skills)

7.1 The general objective of the discipline	specifying the basic theoretical and methodological aspects in territorial planning,
7.2 Specific objectives	• knowledge of the characteristic aspects in the use of the territory, the occupation of the agricultural space and the issue of soil protection

8. Content

8.1 Course	Teaching methods	Observations
1. territorial planning and related notions	lecture, interactive discussions, ppt presentation	Historical evolution: ex. systematization
2.territorial planning elements	lecture, interactive discussions, ppt presentation	
3.environmental planning	lecture, interactive discussions, ppt presentation	
4.urban planning	lecture, interactive discussions, ppt presentation	

5.the structure of the land fund - the agricultural land fund	lecture, interactive discussions, ppt presentation	
6.the structure of the land fund - the non-agricultural land fund	lecture, ppt presentation	
7.specific forms of territorial organization – historical perspective	lecture, interactive discussions, ppt presentation	
8.specific forms of territorial organization - evolution in the century. 20th	lecture, interactive discussions, ppt presentation	
9.specific forms of territorial organization – development regions, metropolitan areas	lecture, interactive discussions, ppt presentation	With an emphasis on the Cluj Metropolitan Area
10.specific forms of territorial organization – European models, comparisons	lecture, interactive discussions, ppt presentation	
11.Development strategy of metropolitan areas - ex Cluj-Napoca	Lecture, thematic presentations, ppt presentation	With an emphasis on the Cluj Metropolitan Area
12.risks associated with land use	lecture, ppt presentation	
13.preventing and combating soil erosion	lecture, ppt presentation	
14.perspectives of the sustainable management of the rural and urban environment	brainstorming, lecture, ppt presentation	
Bibliography		
1. *** (2021), <i>Strategia Integrată de Dezvoltare Urbană Cluj</i>, Primăria Cluj-Napoca, pdf și ppt.; Cluj Integrated Urban Development Strategy, Cluj-Napoca City Hall, pdf and ppt 2. *** (2007), <i>Conceptul strategic de dezvoltare teritorială România 2007-2030 – o Românie competitivă, armonioasă și prosperă (CSDTR 2007-2030).</i> ; The strategic concept of territorial development Romania 2007-2030 – a competitive, harmonious and prosperous Romania 3. *** (2023), <i>Agenda 2030 pentru dezvoltare durabilă</i>, https://www.mae.ro/node/35919; Agenda 2030 for sustainable development 4. ***(2023), <i>Starea regiunilor și orașelor</i>, Raportul anual al UE, Comitetul european al regiunilor, cor.europa.eu/; State of the Regions and Cities, EU Annual Report, European Committee of the Regions, cor.europa.eu/		

5. *** (2020), *LIVRABIL 3. POLITICA URBANĂ 2020-2035 ȘI PLANUL DE ACȚIUNE*, MDLPA, https://www.mdlpa.ro/userfiles/sipoca711/anexe_livrabil3_1.pdf; URBAN POLICY 2020-2035 AND ACTION PLAN
6. Alpöpi, Cr. (2006), *Oraşul prezent – oraşul viitorului*, Theoretical and Empirical Researches in Urban Management.; The present city – the future city, Theoretical and Empirical Researches in Urban Management.
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8. Cândea Melinda, Bogan Elena, Simon Tamara (2011), *Aşezările umane şi organizarea spaţiului geografic*, Editura Universitară, Bucureşti; Human settlements and the organization of geographical space, University Publishing House, Bucharest
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11. Gehl, J. (2012), *Oraşe pentru oameni*, Ingloomedia, Bucureşti.; Cities for people
12. Liu, K.F et all (2012), *Combining risk assessment, life cycle assessment and multi-criteria decision analysis to estimate environmental aspects in envirenmental managemnt system*, the International Journal of Life Cycle Assessment, 17, 7.
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15. Săgeată, R. (2010), *Regional development in Romania - geographical studies*, ed. Univ. L. Blaga, Sibiu.
16. Simon, Tamara (2009), *Geografia aşezărilor umane pe Terra*, Ed. Fundaţiei «România de Măine», Bucureşti.; Geography of human settlements on Earth, Ed. "Romania of Tomorrow" Foundation

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https://www.mdlpa.ro/userfiles/sipoca711/anexe_livrabil3_1.pdf

8.2. Seminar / laboratory	Teaching methods	Observations
1. models of organization of the geographical space	Lecture, thematic analysis, Presentation ppt	
2. coordinates of environmental planning	Lecture, Presentation ppt	
3. coordinates of urban planning	Lecture, Presentation ppt	With examples from Cluj-Napoca
4. analysis of land use - land use and land cover	Lecture, thematic analysis,	

	Presentation ppt	
5. analysis of land use - agricultural land fund	Lecture, thematic analysis, Presentation ppt	Indicators
6. analysis of land use - the forest fund	Lecture, thematic analysis, Presentation ppt	The use of multiple info sources
7. administrative-territorial organization – organization models; historical perspective	Lecture, thematic analysis, Presentation ppt	
8. administrative-territorial organization - 20th century and regionalization	Lecture, thematic analysis, Presentation ppt	
9. economic development regions – their evolution	Lecture, thematic analysis, Presentation ppt	
10. development regions – European models	Lecture, thematic analysis, Presentation ppt	
11. The Cluj metropolitan area - appearance and functionality	Lecture, thematic analysis, Presentation ppt	
12. The Cluj metropolitan area – development perspectives	brainstorming, Lecture, thematic analysis, Presentation ppt	
13. the main improvement works	Lecture, thematic analysis, Presentation ppt	
14. final seminar; Reports	thematic discussion, brainstorming	With emphasis on planning issues in students' home communities

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www.environment.home.ro

<http://www.eea.eu.int>

9. Corroboration of the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field related to the program

- Knowledge of the main data related to territorial planning
- Knowledge of territorial realities and regional development
- Correlation of the current state of the environment with that resulting from the impacts resulting from regional development projects
- Development and analysis of SWOT data

10. Evaluation

Activity	10.1 Evaluation criteria	10.2 evaluation methods	10.3 Weight of the final grade
10.4 Course	Exam	Written	75%
10.5 Seminar/laboratory	E, reports, attendance	Written, final presentation	25%
10.6 Minimum performance standard			
• Definitions • The structure of the land fund • Analysis of development regions • SWOT analysis • Development strategy of metropolitan areas			

Date

Course holder's signature

Seminar holder's signature

...4 dec..2024.....

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Date of approval in the department

Signature of the department director

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