

<b>Course Title</b>	Regional Development and Environment				
<b>Course Code</b>	DLCLIMA506				
<b>Course Type</b>	Compulsory				
<b>Level</b>	MSc (Level 2)				
<b>Year / Semester</b>	1 <sup>st</sup> /1 <sup>st</sup>				
<b>Teacher's Name</b>	Garyfallos Arabatzis				
<b>ECTS</b>	7.5	<b>Lectures / week</b>		<b>Laboratories/week</b>	
<b>Course Purpose</b>	<p>Regional development is one of the key factors for the social and economic cohesion of a country, with primary goals including improving competitiveness, developing infrastructure, and ensuring a positive impact on employment. The implementation of regional policy in the European Union (EU) is the main pillar of its development policy. Over the past two decades, there has been a particular emphasis by the governments of member states on designing policies to mitigate regional disparities. The primary goal of these policies was the development of regions, or otherwise their economic convergence.</p> <p>The purpose of the course is for students to a) understand the concept of the region and the spatial regionalization, b) to delve the theories of spatial planning and regional development, regional inequalities, regional policy of the European Union, regional development strategies, strategy and policy tools for regional development, quantitative methods and techniques of regional analysis, c) to understand the concepts of space, interregional and intra-regional inequalities, the evaluation of regional and development programs and development indicators, d) to delve the role of natural resources in regional development, but also the effects of regional development programs on the environment, as well as the modern institutional framework of regional development both in EU member states and internationally.</p>				
<b>Learning Outcomes</b>	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> <li>• Define the concepts of spatial dimension of development and regional development.</li> <li>• Utilize available technology to gather data concerning regional development and the implementation of regional policy.</li> <li>• Appreciate the importance of regional development in achieving balanced development within a country.</li> <li>• Promote sustainable development and the attainment of sustainable development goals.</li> <li>• Examine possibilities for mitigating regional disparities to achieve balanced</li> </ul>				

	<p>development within a country.</p> <ul style="list-style-type: none"> <li>• Development regional and developmental programs.</li> <li>• Analyze the impacts of regional and developmental programs on the environment.</li> <li>• Collaborate with other professionals and authorities in the field of regional development.</li> <li>• Development innovative solutions for the design and evaluation of developmental programs and their impacts on society, economy, and the environment.</li> <li>• Highlight the social role of specialists in regional development and how they can contribute to balanced development within a country.</li> <li>• Identify professional opportunities as specialists in regional development, researchers, consultants, evaluators of regional development programs, or trainers.</li> <li>• Manage data and information to address the contemporary challenges of our society, offering the knowledge and skills required for effective management of developmental programs and their impacts on the environment.</li> <li>•</li> </ul>		
<b>Prerequisites</b>		<b>Corequisites</b>	
<b>Course Content</b>	<ul style="list-style-type: none"> <li>•The concepts of space and development</li> <li>• Analysis of basic concepts of Regional Science</li> <li>• Quantitative analysis of regional inequalities and spatial relationships</li> <li>• Regional inequalities in Europe</li> <li>• Theories of regional development</li> <li>•Location of Businesses and Productive Activities</li> <li>• Regional policy and regional programming</li> <li>• The regional distribution of public investments - Regional Operational Programs</li> <li>• The Concept of Rural Areas and the Urbanization Process</li> <li>• Infrastructure and regional development</li> <li>• Natural resources and Natural Environment</li> <li>•Greening the economy-Population and Environment-Agriculture, Food and</li> </ul>		

	<p>Environment</p> <ul style="list-style-type: none"> <li>•Study and Repetition Week for the Final Examination</li> </ul>
<p><b>Teaching Methodology</b></p>	<p><b>Distance Learning.</b></p> <p>The course will provide the theoretical background through synchronous and asynchronous communication methods. The set of learning activities is supported by an electronic communication and learning platform.</p> <p>The main learning activities of the course are as follows:</p> <ol style="list-style-type: none"> <li>1. Study of the required course literature.</li> <li>2. Presentations of content or main points or specific studies in various formats (PowerPoint, oral presentations).</li> <li>3. Formulation and resolution of questions in a specialized forum.</li> <li>4. Questions, quizzes, exercises, position papers, and other self-assessments.</li> <li>5. Preparation of course assignments.</li> <li>6. Participation in fifth video conferences.</li> </ol>
<p><b>Bibliography</b></p>	<p><b>Textbooks</b></p> <p>Selected chapters from:</p> <ul style="list-style-type: none"> <li>•<a href="#">Hall</a>, P., <a href="#">Hall</a>, P., <a href="#">Mark Tewdwr-Jones</a>, M. (2020). Urban and Regional Planning. 6<sup>th</sup> edition. Routledge. Taylor and Francis Group. Chapter 1.</li> <li>•Willis K. (2021) Theories and practices and development. 3<sup>rd</sup> edition. Routledge. Taylor and Francis Group.</li> <li>•Rondinelli, D. (2019). Applied Methods Of Regional Analysis The Spatial Dimensions Of Development Policy. Routledge. Taylor and Francis Group. (e-book).</li> <li>• Conway, R. S. (2022). Empirical regional economics. Switzerland: Springer Texts in Business and Economics.</li> <li>•<a href="#">Pike</a>, A., <a href="#">Rodriguez-Pose</a>, A., <a href="#">Tomaney</a>, J. (2017). Local and Regional Development. 2nd Edition. Routledge. Taylor and Francis Group.</li> <li>•</li> <li>•<a href="#">Fratesi</a>, U. (2024). Regional Policy Theory and Practice. 1st Edition. Routledge. Taylor and Francis Group.</li> <li>•<a href="#">Coccosis</a>, H., <a href="#">Psycharis</a>, Y. (2008). Regional Analysis and Policy. Routledge. Taylor and Francis Group.</li> </ul>

•[Yarwood](#), R. (2023). Rural Geographies People, Place and the Countryside. Routledge

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#### Articles/Conference Proceedings

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• Tsiotas, D., Polyzos, S. (2025). Theoretical and Empirical Researches in *Urban Management*, 2025, 20(2), pp. 5–31.

• Tsiotas, D., Tselios, V. (2023). Understanding peripherality in a multidimensional geographical, socioeconomic, and institutional context: Evidence from Greece. *Regional Science Policy and Practice.*, 2023, 15(7), pp. 142.

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• Psycharis Y, Tselios V, Pantazis P (2023) The geographical dimension of income inequality in Greece: evolution and the ‘turning point’ after the economic crisis. *Reg Stud Reg Sci* 10(1):798–819. <https://doi.org/10.1080/21681376.2023.2261523>

• Artelaris P, Tsirbas Y (2018) Anti-austerity voting in an era of economic crisis: regional evidence from the 2015 referendum in Greece. *Environ Plan C* 36(4):589–608. <https://doi.org/10.1177/2399654418765186>.

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analysis: a case study of the Greek regions. *Review of Regional Research*. Article2025. DOI: 10.1007/s10037-025-00235-1.

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	<p><a href="https://doi.org/10.3390/en15134732">Peripheries</a>. <i>Energies</i>, 2022, 15 (13), 4732. <a href="https://doi.org/10.3390/en15134732">https://doi.org/10.3390/en15134732</a>.</p> <ul style="list-style-type: none"> <li>• <a href="#">Ntanos, S.</a>, <a href="#">Skordoulis, M.</a>, <a href="#">Kyriakopoulos, G.</a>, <a href="#">Arabatzis, G.</a>, <a href="#">Chalikias, M.</a>, <a href="#">Galatsidas, S.</a>, <a href="#">Batziou, A</a> and <a href="#">Katsarou, A.</a> (2018). "Renewable energy and economic growth: Evidence from European countries". <i>Sustainability</i>, 10 (8), 2626. <a href="https://doi.org/10.3390/su10082626">https://doi.org/10.3390/su10082626</a>.</li> <li>• Kalogiannidis, S., Kalfas, D., Loizou, E. (2022). Forestry Bioeconomy Contribution on Socioeconomic Development: Evidence from Greece. <i>Land</i>. 11 (12). Article number 2139. doi: 10.3390/land11122139.</li> <li>• Gkiza, I., Nastis, S., Manos, B., Sartzetakis, E. (2021). The economic effects of climate change on cereal yield in Greece: A spatial analysis selection model. <i>International Journal of Global Warming</i>. 23 (3): 311 – 330. doi: 10.1504/IJGW.2021.113862</li> </ul>
<p><b>Assessment</b></p>	<ul style="list-style-type: none"> <li>• Final exam (50%)</li> <li>• 2 evaluative assignments (30% + 10% = 40%)</li> <li>• 2 interactive online activities (5% + 5% = 15%)</li> </ul> <p>All assignments (except for the final exam) are assigned and submitted on the electronic platform, where they undergo plagiarism checks using the Turnitin tool. The final exam is developed by the instructor and completed by the students on a special platform exclusively used for examinations.</p> <p>Students have 2 weeks to complete each interactive online activity (total duration 4 weeks) and 3 weeks to submit each evaluative assignment (total duration 7 weeks). It is at the discretion of the instructor to decide whether to grant an extension for assignment submission.</p>
<p><b>Language</b></p>	<p>Greek / English</p>