



# UNIVERSITY OF PIRAEUS

## 1) GENERAL

<b>SCHOOL</b>	ECONOMICS, BUSINESS AND INTERNATIONAL STUDIES		
<b>ACADEMIC UNIT</b>	ECONOMICS		
<b>LEVEL OF STUDIES</b>	UNDERGRADUATE		
<b>COURSE CODE</b>	<b>OKXAN06</b>	<b>SEMESTER</b>	6
<b>COURSE TITLE</b>	<b>SPATIAL ANALYSIS</b>		
<b>INDEPENDENT TEACHING ACTIVITIES</b>	<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>	
Lectures	2	5	
Laboratory exercises	2		
<b>COURSE TYPE</b>	Scientific Expertise		
<b>PREREQUISITE COURSES</b>	-		
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS</b>	Greek		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	YES		
<b>COURSE WEBSITE (URL)</b>	<a href="https://eclass.unipi.gr/courses/OEP303/">https://eclass.unipi.gr/courses/OEP303/</a>		

## 2) LEARNING OUTCOMES

### Learning Outcomes

This course is a solid class in Spatial Analysis. The subject matter of the course includes issues in spatial analysis, spatial pricing, and analysis of spatial effects as inputs in a spatial model. After successfully completing the course, the student will be able to understand spatial concepts. She/he will also be able to analyze the mechanisms of spatial model formation for products or services. Finally, students master spatial econometric techniques.

### General Competences

- Group/Team work
- Critical thinking
- Development of free, creative and inductive thinking

## 3) SYLLABUS

- Spatial externalities
- Empirical Demand Estimation
- Local governments and taxation
- GEODA software
- Spatial Efficiency
- Spatial Equilibrium
- Alternative clusters
- Neighboring effects
- Spatial flows and patterns

## 4) TEACHING and LEARNING METHODS

<b>DELIVERY</b>	In-class lectures	
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b>	Use of ICT in teaching Use of ICT in laboratory activities Use of ICT in communication with students	
<b>TEACHING METHODS</b>	<b>Activity</b>	<b>Semester workload</b>
	Lectures	26
	Laboratory Lectures	26
	Study and analysis of bibliography	38
	Presentation of academic articles	33
	Exam	2
	<b>Course Total</b>	<b>125</b>
<b>STUDENT PERFORMANCE</b>	<ul style="list-style-type: none"> <li>• Language of evaluation is Greek and English.</li> </ul>	

<b>EVALUATION</b>	<ul style="list-style-type: none"><li>• Methods of evaluations are open-ended questions and optionally presentations of academic articles</li></ul>
<b>ATTACHED BIBLIOGRAPHY</b>	<ul style="list-style-type: none"><li>- Regional Economics and Spatial analysis 1st Edition ISBN 978-960-93-6349-5. 2nd Edition 2017, ISBN 978-618-5066-98-7.</li><li>- Sustainable Development, Environment and Energy Economics 1st Edition 2015, ISBN 978-960-93-7166-7</li></ul>