UNIVERSITY OF PIRAEUS

FACULTY/SCHOOL	**School of Economics, Business and International Studies**		
DEPARTMENT	**Department of Economics**		
LEVEL OF STUDY	**Undergraduate**		
COURSE UNIT CODE	**OKXAN06**	**SEMESTER**	**6**
COURSE TITLE	**SPATIAL ANALYSIS**		
WEEKLY TEACHNG HOURS	**4**	**CREDITS (ECTS)**	**5**
COURSE TYPE	Skills Development		
PREREQUISITE COURSES	-		
INSTRUCTION LANGUAGE	Greek	**ASSESSMENT LANGUAGE**	Greek
OPEN TO ERASMUS	No		

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

COURSE CONTENT

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

USE OF ICT IN TEACHING

Presentations

COURSE DESIGN

Activity/Method	Semester workload
Lectures	100
Study and analysis of bibliography	11
Presentations of academic articles	12
Exam	2
Total	125

COURSE ASSESSMENT

- Language of evaluation is Greek and English.
- Methods of evaluations are open-ended questions and optionally presentations of academic articles.

SUGGESTED BIBLIOGRAPHY

- Regional Economics and Spatial analysis
  1st Edition ISBN 978-960-93-6349-5.
  2nd Edition 2017, ISBN 978-618-5066-98-7.
- Sustainable Development, Environment and Energy Economics
  1st Edition 2015, ISBN 978-960-93-7166-7.