Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
ECON324	Spatial Economics	8	0	0	3	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	English
Course Type	Elective
Course Level	Bachelor Degree
Objective	The objective of this course is to familiarize students with the issue of the spatial distribution of economic activities and to examine, in depth and from an empirical and historical perspective, the full range of activities from agriculture to the service sector.
Content	In this course, classical models of activity distribution—such as those developed by Von Thünen, Weber, Christaller, and Alonso-Muth—along with their various extended versions, will first be examined. The second part will focus on contemporary urban economics models shaped by the contributions of scholars such as Park, Burgess, and McKenzie; Alonso-Muth, Fujita-Thisse; and Ullman, Mann, and Vance.
References	- Ponsard, C., &; Beguin, H. (1988). Analyse économique spatiale. Presses universitaires de France. - Courlet, C., &; Pecqueur, B. (2022). L'économie territoriale. Presses universitaires de Grenoble. - Huriot, Bourdeau-Lepage (2009): Economie des villes contemporaines, Economica - White (2015): Modelling cities and regions as complex systems, MIT Press

Theory Topics

Week	Weekly Contents
1	Introduction to Spatial Economics: Definition, Historical Development, and Mathematical Tools for Spatial Analysis
2	The Spatial Distribution of Agricultural Activities: The Von Thünen Model
3	Extensions of the Von Thünen Model and the New Urban Economics
4	Industrial Location: Weber’s Model and the Point of Minimum Transport Costs
5	Extensions of Weber’s Model: Labour Cost Advantages and Agglomeration Economies
6	The Location of Economic Activities: Regional and Urban Extensions, and the Location of Public Services
7	Spatial Competition: Hotelling’s Model and the Delimitation of Market Areas
8	Extended Models of Spatial Competition: Palander’s Contributions
9	Spatial Competition: Extensions and Contemporary Applications
10	The Economic Landscape: An Introduction to Lösch’s Model
11	The Theory of Regions and Central Places: The Spatial Organisation of Economic Activities
12	The Formation of the Economic Landscape: Models with Multiple Producers and Multiple Products
13	Overview of the Main Paradigms in Spatial Economics: Agricultural Location, Industrial Location, Spatial Competition, and the Formation of the Economic Landscape
14	General Review and Applied Exercises on Spatial Economics Models