

Economic geography, regional and urban economics (03.897.1130/1135)

TUE 10:15 - 11:45 am, MS Teams

MON 12:15 - 1:45 pm, MS Teams

Instructors:

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Office Hours: by appointment.

Prerequisites: Students should be familiar with intermediate microeconomics and international trade theory.

Content and objectives: One of the questions Brexit has raised is “Will businesses move to continental Europe?” This course uses theory and empirical patterns to understand the geographic distribution of economic activity and the consequences of regional clustering. In the tutorial, we will plot (geovisualize) simple spatial data and patterns in R and deepen our understanding of lecture theory.

We will shed light on the following and more questions. Why is economic activity unequally distributed in space? Which factors determine the international distribution of production, trade and investment? What are the welfare effects thereof? Why do agglomerations emerge, and what are the factors that lead to their emergence? Why is economic activity unequally distributed within cities and agglomerations?

Grading: Written closed book exam (60 minutes) on the basis of the aim of this course (see course content and objectives). Successful students will receive 6 ECTS.

Academic Honesty: As a JGU student, I expect you to abide by the University’s Examination Code and a culture of honesty. Lack of knowledge thereof is not a reasonable explanation for violation. Questions related to course exams and the Disciplinary Code should be directed to the *Studienbüro*. For information see https://studienbuero.rewi.uni-mainz.de/downloads/?folder=WiwI/WiWi_Master/Master%20International%20Economics%20and%20Public%20Policy/Program%20Information. See also here <http://mediatum.ub.tum.de/1225458>.

Course Outline:

19.04.2021	.....	Introduction to geovisualization (TU)
20.04.2021	.....	Stylized facts about spatial patterns (LE)
26.04.2021	.....	Introduction to geovisualization (TU)
27.04.2021	.....	Economic geography of production and trade (LE)
03.05.2021	.....	Economic geography of production and trade (TU)
04.05.2021	.....	The core-periphery model I (LE)
10.05.2021	.....	The core-periphery model I (TU)
11.05.2021	.....	The core-periphery model II (LE)
17.05.2021	.....	The core-periphery model II (TU)
18.05.2021	.....	Gravity and trade costs I (LE)
25.05.2021	.....	Gravity and trade costs II (LE)
31.05.2020	.....	Gravity model (TU)
01.06.2021	.....	Empirics of economic geography (LE)
07.06.2021	.....	Empirics of economic geography (TU)
08.06.2021	.....	Empirics of EG: Redding & Sturm (LE)
14.06.2021	.....	Empirics of EG: Redding & Sturm (TU)
15.06.2021	.....	Introduction to urban economics (LE)
21.06.2021	.....	Agglomeration economies (TU)
22.06.2021	.....	Determinants of city size, city composition and urban premia (LE)
28.06.2021	.....	Determinants of city size, city composition and urban premia (TU)
29.06.2021	.....	Size distribution of cities (LE)
05.07.2021	.....	Size distribution of cities (TU)
06.07.2021	.....	Benefits and costs of cities (LE)
12.07.2021	.....	Benefits and costs of cities (TU)
13.7.2021	.....	Summary of course (LE)
TBA	.....	Exam

Books used in this course (optional):

Economic Geography, by Pierre-Philippe Combes, Thierry Mayer, and Jacques-François Thisse (2008)

Economic Geography and Public Policy, by Richard Baldwin, Rikard Forslid, Philippe Martin, Gianmarco Ottaviano, and Frederic Robert-Nicoud (2003)

Geography and Trade, by Paul Krugman (1991)

Introduction to Spatial Econometrics, by James LeSage and R. Kelley Pace

Extra Help: I will make the slides available to all enrolled students via Moodle. Do not hesitate to pass by my office during office hours (by appointment) to discuss your questions concerning the course. You can obtain R and RStudio via the ZDV apps. There are many online tutorials, for instance here: <https://ignaciomsarmiento.github.io/2017/02/07/An-Introduction-to-Spatial-Econometrics-in-R.html>.