| Georg-August-Universität Göttingen Module B.WIWI-VWL.0069: Topics in urban economics | 6 C 4 WLH |
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| Learning outcome, core skills: | Workload: |
| The students learn about core economic concepts of urban economics and familiarize | Attendance time: |
| themselves with data sources that can be used to measure and investigate various | 56 h |
| dimensions of urban and regional development. Students learn to visualize and analyze | Self-study time: |
| urban and regional data and perform and document an own statistical analysis on a selected topic. | 124 h |

| Courses: | |
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| 1. Topics in Urban Economics (Lecture) | 2 WLH |
| Contents: | |
| The lecture discusses issues of agglomeration and the development of cities, land- | |
| use patterns, and a number of selected further issues related to urban transportation, | |
| education, crime, environment, housing and local government. It introduces basic | |
| concepts of urban economics and examines related global evidence. | |
| 2. Topics in Urban Economics (Exercise) | 2 WLH |
| Contents: | |
| The exercise introduces the statistical analysis of urban and regional data with the | |
| help of the freely available statistical software R. The students learn about a number of | |
| sources for urban (and other spatially explicit) data as well as basic data management | |
| and mapping techniques in R, which prepare them for conducting a descriptive data | |
| analysis on their own. | |

| Examination: Practical examination with written elaboration (max. 15 pages) | |
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| Examination requirements: | |
| Each student chooses one topic related to the lecture, identifies relevant data sources, | |
| compiles the data using the statistical software R and performs a descriptive analysis | |
| of the data using the same statistical program. The exam consists of a documentation | |
| of the analysis: students have to explain the problem they investigate and provide a | |
| descriptive analysis including maps, graphs and tables. | |

| Admission requirements: | Recommended previous knowledge: |
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| none | BA courses in Econometrics and Statistics |
| | BA courses in Microeconomics |
| Language: | Person responsible for module: |
| English | Prof. Dr. Krisztina Kis-Katos |
| Course frequency: | Duration: |
| irregular | 1 semester[s] |
| Number of repeat examinations permitted: | Recommended semester: |
| twice | 4 - 5 |
| Maximum number of students: 25 | |