

# Seminar: Transportation Demand Management

Dr.-Ing. Julia Kinigadner

2<sup>nd</sup> Semester M.Sc. of Transportation Systems and Environmental Engineering  
3 SWS, 3 ECTS

## Summer Semester 2024: What is Space Efficiency in Transportation?

Within the TDM seminar, students will learn how to tackle a planning problem and develop fitting solutions. In the summer term 2024, the seminar focuses on space efficiency in transportation. Key learning outcomes include the following:

- 1) Understand the difficulty of defining space efficiency in transportation
- 2) Develop indicators for space efficiency
- 3) Analyze space efficiency for a selected study area
- 4) Assess the impact of selected measures and scenarios on space efficiency

**Wednesdays, 16:45 – 18:15 (Session 1) and 18:30 – 19:15 (Session 2)**  
**Room 0534**

Wednesday, 17.04.2024

### **Welcome & Introduction to the Topic**

Overview of the course

Exercise: How to define space efficiency in transportation?

Systematic approach to the problem

Wrap-up: What is space efficiency in transportation?

Wednesday, 24.04.2024

### **Introduction to the Task**

Overview of the study area

Group building

Exercise: Getting to know the study area

Homework: State of the art on space distribution and efficiency, strategies of different cities, space distribution and efficiency of private space in the study area

Wednesday, 01.05.2024

**Public holiday (no lecture)**

|                       |  |
|-----------------------|--|
| Wednesday, 08.05.2024 | <b>Goals and indicators: space distribution and efficiency</b><br>Presentation of homework results<br>Introduction to the status quo analysis<br>Overview of potential data sources<br>Group organization: tasks, timeline, responsibilities |
| Wednesday, 15.05.2024 | <b>Working session</b><br>Presentation of selected analysis focus<br>Preparing the analysis: indicators and data   |
| Wednesday, 22.05.2024 | <b>Unsupervised working session</b><br>Feedback by appointment   |
| Wednesday, 29.05.2024 | <b>Pitches</b><br>Presentation of preliminary results<br>Introduction to measures and scenario analysis  |
| Wednesday, 05.06.2024 | <b>Working session</b><br>Feedback in class  |
| Wednesday, 12.06.2024 | <b>TUM Sustainability Day (no lecture)</b>   |
| Wednesday, 19.06.2024 | <b>Pitches</b><br>Presentation of preliminary results<br>Feedback  |
| Wednesday, 26.06.2024 | <b>Working session</b><br>Prepare final presentations<br>Submit slides by Tuesday, July 2  |
| Wednesday, 03.07.2024 | <b>Presentations I</b>   |
| Wednesday, 10.07.2024 | <b>Presentations II</b>  |
| Wednesday, 17.07.2024 | <b>Wrap-up</b><br>Feedback on final presentations,<br>Recommendations for the final report   |

**Reports due: 30.08.2024**

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