

Transport Planning Models (TPMO)

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1st Semester M.Sc. of Transportation Systems, Environmental Engineering and Civil Engineering

2 SWS (3 ECTS); Room N1095

Winter Semester 2023 / 2024

Wednesdays 09:45 – 11:15

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|--------------------------------|---|
| Wednesday, 18.10.2023 N1095 | Basics of transport modelling (Maximilian Pfertner) Objectives and structure of the course |
| Wednesday, 25.10.2023 N1095 | Travel demand modelling (1) (Maximilian Pfertner) Trip generation & trip distribution |
| Wednesday, 01.11.2023 | no lecture – public holiday |
| Wednesday, 08.11.2023 N1095 | Exercise 1 (Yihan Xu) Trip generation, trip distribution |
| Wednesday, 15.11.2023 | no lecture – students' assembly |
| Wednesday, 22.11.2023 | City Walk in combination with ILUT |
| Wednesday, 29.11.2023 N1095 | Travel demand modelling (2) (Maximilian Pfertner) Modal split, route choice, and traffic assignment |
| Wednesday, 06.12.2023 N1095 | Exercise 2 (Yihan Xu) Modal split, route choice and traffic assignment |
| Wednesday, 13.12.2023 N1095 | Bosserhoff-Method (tbc) Estimating trip generation |

Wednesday, 20.12.2023
N1095

Introduction to VISUM (Maximilian Pfertner)
Overview, functions, practical tips, and installation

Christmas Break

Wednesday, 10.01.2024
online

Computer exercise 1 (Maximilian Pfertner)
Get to know VISUM and its UI

Wednesday, 17.01.2024
online

Computer exercise 2 (Maximilian Pfertner)
Create a network, add a bus line

Wednesday, 24.01.2024
online

Computer exercise 3 (Maximilian Pfertner)
Modelling trip generation and distribution

Wednesday, 31.01.2024
online

Computer exercise 4 (Maximilian Pfertner)
Modelling mode choice and traffic assignment
Visualizing results

Wednesday, 07.02.2024
N1095

Conclusion and Review
Prof. Wulfhorst, Maximilian Pfertner
Further functions in VISUM
Feedback from students, Q & A
Exam information

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