

Active Mobility

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2nd Semester M.Sc. of Transportation Systems, Environmental Engineering and Civil Engineering

4 SWS (6 ECTS); Rooms 2607, 0540

Summer Semester 2024

Lecture: Wednesdays 08:00 – 09:30

Seminars: Thursdays 13:15 – 14:45

Part I: Walking

Wednesday, 17.04.2024 2607	Introduction (Dominik Fuchs) Objectives and structure of the course
Thursday, 18.04.2024 0540	Introduction to Seminar (Simone Aumann) Get familiar with the area of your case study
Wednesday, 24.04.2024 2607	Walkability (Dominik Fuchs, Ulrike Jehle) Understand the concept of walkability
Thursday, 25.04.2024 0540	Fußverkehrscheck (Dominik Fuchs, City of Munich) Experience Munich's pedestrian audit around campus
Wednesday, 01.05.2024	No lecture – Public holiday
Thursday, 02.05.2024 On site	Fußverkehrscheck (no class) Use Munich's pedestrian audit for your case study area
Wednesday, 08.05.2024 2607	Benefits of Walking & Pedestrian Comfort (Jonas Horlemann, Roland Reitberger) Recognize the economic and health benefits of walking and understand pedestrian comfort
Thursday, 09.05.2024	No lecture – Public holiday

Wednesday, 15.05.2024 2670	Personas as a User-Centred Design Tool (Lior Steinberg) Understand the needs of different user groups for walking
Thursday, 16.05.2024 0540	Q&A Group Work – Voluntarily (Simone Aumann) Work on your case study
Wednesday, 22.05.2024 2670	User Experience (UX) Tools (George Yiyang Liu) Get to know tools to measure user experience of walking
Thursday, 23.05.2024 0540	Mobility Impairments – Hands-on Experience (Simone Aumann) Experience different types of mobility restrictions around campus and apply UX tools
Wednesday, 29.05.2024 On site	Mobility Impairments (no class) Use the UX tools for your case study area and evaluate the street as a persona with an impairment of your choice
Thursday, 30.05.2024	No lecture – Public holiday
Wednesday, 05.06.2024 2670	Q&A Group Work – Voluntarily (Simone Aumann) Prepare midterm presentation
Thursday, 06.06.2024 0540	Midterm Presentation (Simone Auman, Dominik Fuchs) Present your analysis of the case study area

Part II: Cycling

Wednesday, 12.06.2024 2670	Bikeability (Dominik Fuchs) Get to know concepts of Bikeability, ERA, H RSV, and Level of Traffic Stress (LTS)
Thursday, 13.06.2024 0540	LTS and Bikeability Index (Mahtab Baghaie Poor) Apply the LTS to your case study area and develop your own bikeability index
Wednesday, 19.06.2024 2670	Cycling in Germany (tbc)

Thursday, 20.06.2024 On site	Excursion – Altstadtadrling München (tbc) Experience cycling infrastructure projects in Munich
Wednesday, 26.06.2024 2670	Cycling in Denmark & the Netherlands (tbd) Get inspired by best practice examples and understand differences between Germany and Denmark / Netherlands
Thursday, 27.06.2024 0540	Manuals of Cycling (Mahtab Baghaie Poor) Get to know cycling regulations and compare them to reality
Wednesday, 03.07.2024 2670	Human Infrastructure of Cycling (Alex Baum) Understand the different user perspectives on cycling
Thursday, 04.07.2024 0540	Cargo Bikes – Hands-on Experience (Simone Aumann) Test different kinds of cargo bikes around campus and understand the special requirements of cargo bikes
Wednesday, 10.07.2024 2670	Q&A Group Work – Voluntarily (Mahtab Baghaie Poor) Work on your case study Prepare final presentation
Thursday, 11.07.2024	No lecture – Group work
Wednesday, 17.07.2024 2670	Final Presentation Present your completed analysis and proposed measures and recommendations for the case study area
Thursday, 18.07.2024 Online	Feedback & Evaluation Get feedback on your posters and evaluate the course

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