STUDY PROGRAMME „MOBILITY MANAGEMENT (B.ENG.)“

1. SEMESTER	2. SEMESTER	3. SEMESTER	4. SEMESTER[1]	5. SEMESTER	6. SEMESTER
1100 Introduction to Mobility Management 4 SWS / 5 CP	1200 Empirical social research for engineers 4 SWS / 5 CP	2300 Mobility and sustainability 4 SWS / 5 CP	2310 Street Design - Neighbourhood mobility and stationary traffic 4 SWS / 5 CP	1500 Forecast of mobility and transport 4 SWS / 5 CP	5510 Professional practical training phase 0 SWS / 15 CP
1110 Travel behaviour and traffic demand 4 SWS / 5 CP	2200 Geoinformatics and geographical information systems (DE/ENG) 4 SWS / 5 CP	2330 Information Technology and Digitalization for Mobility and Transport (DE/ENG) 4 SWS / 5 CP	2410 Spatial data and statistical Models 4 SWS / 5 CP	2500 Innovative Mobility-Services and -technologies (DE/ENG) 4 SWS / 5 CP	
2100 Planning and design of facilities for individual means of transport 4 SWS / 5 CP	2210 Mathematics for engineers 4 SWS / 5 CP	3300 Funding of traffic supply and mobility services 4 SWS / 5 CP	3400 Business models in the field of mobility and traffic/transport 4 SWS / 5 CP	5500 Soft Skills / Language Skills 3 variable SWS / 5 CP	
3100 Law and economy of mobility and traffic/transport supply 4 SWS / 5 CP	2220 Methods of spatial, mobility and traffic planning 4 SWS / 5 CP	4400 Methods for target group specific mobility management 4 SWS / 5 CP	4300 Mobility marketing and information variable SWS / 5 CP	7000 Required elective courses (choose 3 courses from the list below)	9050 Bachelor‘s thesis (ENG 1:1) 0 SWS / 15 CP
4110 Epistemology, Communications and Design for Mobility and Transport 4 SWS / 5 CP	2230 Planning and operation of public transportation 4 SWS / 5 CP	5400 Soft Skills / Language Skills 2 4 SWS / 5 CP	6400 Project C: Organising mobility management processes and designing mobility services (ENG 1:1) 5 SWS / 10 CP		
5100 Soft Skills / Language Skills 1 variable SWS / 5 CP	6200 Project A: Appraisal and evaluation of mobility needs (ENG 1:1) 3 SWS / 5 CP	6300 Project B: Developing mobility concepts (ENG 1:1) 3 SWS / 5 CP			

STUDY TOPICS

1	Mobility Behaviour	4	Communication, Information, Processes
2	Traffic Infrastructure	5	Soft Skills and professional experience
3	Mobility Services	6	Projects and Bachelor Thesis

LIST OF REQUIRED ELECTIVE COURSES[2]

Combining microscopic and macroscopic traffic modelling (DE/ENG) 4 SWS / 5 CP	Vehicle fleet and travel management 4 SWS / 5 CP	Inferential statistics and data transformation 4 SWS / 5 CP
Traffic Engineering 4 SWS / 5 CP	Planning of Public Transport infrastructure (DE/ENG) 4 SWS / 5 CP	Design of cycling infrastructure 4 SWS / 5 CP

[1] The fourth semester ist defined as mobility window for semesters broad. But also the fifth and sixth semester may be used for stays abroad.
[2] The list will be updated each semester in order to suit the actual demand.
Abbreviations: SWS: Contact-Hours per Week; CP: Credit-Points acc. ECTS; DE/ENG on request in English; EN 1:1: one to one tuition in English possible