

DEPARTMENT OF CIVIL ENGINEERING
COURSE SYLLABUS

Course Details				
Code		Academic Year		Semester
BAU303		3		Spring
Title		T	A	L
Transportation		2	2	6
Language	German			
Level	Undergraduate	✓	Graduate	Postgraduate
Department / Program	Civil Engineering			
Forms of Teaching and Learning	Formal			
Course Type	Compulsory	✓	Elective	
Objectives	Teaching the basics of Transportation engineering			
Content	Basics in the planning of road systems outside of residential areas, planning and design method, design elements for sections and intersections, basics in the construction of road structures, planning of road installations.			
Prerequisites				
Coordinator				
Lecturer(s)				
Assistant(s)				
Work Placement				
Recommended or Required Reading				
Books / Lecture Notes	Telematisch gesteuertes Kompaktparken: Grundlagen und Entwicklung (Berichte der Bundesanstalt für Straßen wesen - Verkehrstechnik (V))3. Juli 2017			
Other Sources				
Additional Course Material				
Documents				
Assignments				
Exams				
Course Composition				
Mathematics und Basic Sciences				%
Engineering				%
Engineering Design				%
Social Sciences				%
Educational Sciences				%

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Natural Sciences			%
Health Sciences			%
Expert Knowledge			%
Assessment			
Activity	Count		Percentage (%)
Midterm Exam			
Quiz			
Assignments			
Attendance			
Recitations			
Projects			
Final Exam			
		Total	100
ECTS Points and Work Load			
Activity	Count	Duration	Work Load (Hours)
Lectures	14	4	56
Self-Study	14	3	42
Assignments			
Presentation / Seminar Preparation			
Midterm Exam	1	2	12
Recitations			
Laboratory			
Projects			
Final Exam	1	2	15
		Total Work Load	125
		ECTS Points (Total Work Load / Hour)	6
Learning Outcomes			
1	<ul style="list-style-type: none"> - Planning, design and construction of highways - Determination of the primary design parameters for the creation of a route or node design based on the driving dynamics - Determine the performance of highways - Safe use of relevant design parameters and traffic flow parameters - Assessment of driving dynamics on highways and their impact on design 		
2			
3			
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12	

Weekly Content

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14	
15	

Contribution of Learning Outcomes to Program Objectives(1-5)

	P1	P2	P3	P4	P5	P6	P7
1							
2							
3							
4							
5							
6							
7							
8							



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9							
10							
11							
12							
Contribution Level	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High						
Compiled by:							
Date of Compilation:							