

# Faculty of Transportation Engineering and Vehicle Engineering

## IMPORTANT NOTES

If for one subject you can find several different types (lecture, practice, laboratory) of courses then please choose one and only one course from each type in order to be able to perform the subject's requirements successfully. Civil Engineering courses are on the website separately. Courses chosen from the offer of Faculty of Civil Engineering will be checked and arranged individually by the departmental coordinator.

Subject code	Subject name			Requirement	ECTS credit
BMEKOALM244	City logistics			Exam	5
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>		
Lecture	ERA-EA	English	WED:14:15-16:00;		
Practice	ERA_GYAK	English	WED:16:15-18:00;		
Subject code	Subject name			Requirement	ECTS credit
BMEKOALM323	Planning of warehousing systems			Exam	5
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>		
Lecture	ERA-EA	English	THU:10:15-12:00;		
Practice	ERA-GYAK	English	THU:12:15-14:00;		
Subject code	Subject name			Requirement	ECTS credit
BMEKOALM327	Planning of plant logistics systems			Exam	5
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>		
Lecture	ERA-EA	English	THU:14:15-16:00;		
Practice	ERA-GYAK	English	FRI:10:15-12:00;		
Subject code	Subject name			Requirement	ECTS credit
BMEKOALM329	Production planning & scheduling			Exam	4
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>		
Laboratory	ERA-LAB	English	MON:12:15-14:00;		
Lecture	ERA-EA	English	MON:14:15-16:00;		
Subject code	Subject name			Requirement	ECTS credit
BMEKOALM337	Planning of extra-logistics networks			Exam	4
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>		
Lecture	ERA-EA	English	WED:10:15-12:00;		
Practice	ERA-GYAK	English	WED:08:15-10:00;		
Subject code	Subject name			Requirement	ECTS credit
BMEKOALM339	Enterprise logistics project 1.			Mid-semester mark	4
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>		
Practice	ERA-GYAK	English	TUE:14:15-18:00;		
Subject code	Subject name			Requirement	ECTS credit
BMEKOALM341	Control of transport logistics			Exam	3
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>		
Laboratory	ERA-LAB	English	MON:12:15-14:00;		
Lecture	ERA-EA	English	MON:10:15-12:00;		

Subject code	Subject name		Requirement	ECTS credit
BMEKOGGM601	Advanced materials and technologies		Mid-semester mark	5
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA_EA	English	MON:10:15-12:00; MON:10:15-12:00; MON:12:15-14:00;	
Practice	ERA_GY	English	MON:12:15-14:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOJHA159	Basics of Vehicle Design and Diagnostics		Mid-semester mark	4
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA_Lect	English	THU:10:15-12:00;	
Practice	ERA_Pract	English	THU:10:15-12:00;	
Techniques of the 3D modelling. Structure, and working of a graphics software, geometric kernel systems. Curves, surfaces, modelling techniques. Solid modelling. 2D documentation, drawing generation. Modelling based on the basic shape system, modelling based on the associativity of the planning system. Concurrent engineering. Synchronous modelling. Parts assembly, interference checking. Moving simulation.				
Subject code	Subject name		Requirement	ECTS credit
BMEKOJSM605	Computer aided design		Exam	4
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Laboratory	ERA_Lab	English	FRI:10:15-12:00;	
Lecture	ERA_Lect	English	FRI:08:15-10:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOKAM122	Control theory		Exam	5
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Laboratory	ERA_LAB	English	TUE:10:15-12:00;	
Lecture	ERA_EA	English	TUE:12:15-14:00;	
Practice	ERA_GYAK	English	TUE:10:15-12:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOKAM142	Control theory		Exam	3
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA_ea	English	TUE:12:15-14:00;	
Practice	ERA_gyak	English	TUE:10:15-12:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOKG8517	Financing Transport Infrastructure		Mid-semester mark	4
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA_L	English	THU:16:15-18:00;	
Practice	ERA_P	English	THU:18:15-19:00;	
Presentation of theoretical base of transport infrastructure financing and development of skills for practical applications. Financing principles, methods and procedures: Equity Funding, Debt Funding, Private Financing Initiative, PPP for designing, planning, constructing and operating of transport infrastructure. Presentation and application of a software as a decision making tool for preparation of feasibility studies. Risk analysis of financing transport infrastructure. International case studies. The course will consist of 3 hours lessons/week during the 14 weeks (2 hour lecture and 1 hour seminar - where students will be expected to provide brief oral presentations).				
Subject code	Subject name		Requirement	ECTS credit
BMEKOKGA226	Airtransport Management I.		Mid-semester mark	2
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA_L	English	THU:12:15-14:00;	
Practice	ERA_P	English	THU:12:15-14:00;	
Market of air transport. Strategy. Marketing. Controlling. Charges. Airlines and airports.				

Subject code	Subject name		Requirement	ECTS credit
BMEKOKKM221	Decision making methods		Mid-semester mark	5
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA_L	English	MON:14:15-16:00; MON:14:15-16:00; MON:16:15-18:00;	
Practice	ERA_P	English	MON:16:15-18:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOKKM330	Logistics controlling		Mid-semester mark	3
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA	English	WED:12:15-14:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOKKM617	Projectmanagement in automotive industry		Mid-semester mark	2
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA_EA	English	WED:14:15-16:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOKUA201	Transportation Information Systems I.		Mid-semester mark	5
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Laboratory	ERA_lab	English	MON:14:15-16:00;	
Lecture	ERA_L	English	TUE:08:15-10:00;	
Practice	ERA_P	English	MON:14:15-16:00;	
Objective of subject: Information systems in passenger and freight transport. Phases and functions of the entire transport process. Specialities and common features of the information systems in the certain transport modes. Satellite based communication, positioning and tracking systems. Creating databases and management of data using SQL language. Keywords: information systems used widely in transportation, databases				
Subject code	Subject name		Requirement	ECTS credit
BMEKOKUM204	Traffic Flow Theory		Exam	4
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	ERA_L	English	WED:12:15-14:00;	
Practice	ERA_P	English	WED:10:15-12:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOKUM205	Intelligent Transport Systems		Exam	5
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Laboratory	ERA_LAB	English	THU:08:15-10:00;	
Lecture	ERA_L	English	TUE:16:15-18:00;	
Subject code	Subject name		Requirement	ECTS credit
BMEKOVVM602	Vehicle operation, reliability and diagnostics		Mid-semester mark	2
<b>Course type</b>	<b>Course code</b>	<b>Course language</b>	<b>Timetable information</b>	
Lecture	EA_ERA	English	WED:16:15-18:00;	