

Faculty of Transportation Engineering and Vehicle Enginee

Automated vehicle design project					
Autonóm jármű projektfeladat					
BMEKOGGM710	4. Evaluation type	exam grade	5. Credits	6	
2 (28) Lecture	0 (0) Practice	2 (28) Lab			
Autonomous Vehicle Control Engineering MSc (A)	8. Role	Mandatory (mc) at Autonomous Vehicle Control Engineering MSc (A)			
for fulfilling the requirements of the subject 180					
56	Preparation for seminars	0	Homework	64	
40	Midterm preparation	0	Exam preparation	20	
Department of Automotive Technologies					
Dr. Gáspár Péter					
Dr. Szalay Zsolt, Dr. Bécsi Tamás, Dr. Aradi Szilárd					
lectures					
	Autonóm jármű proj BMEKOGGM710 2 (28) Lecture Autonomous Vehicle Control Engineering MSc (A) or fulfilling the req 56 40 Department of Aut Dr. Gáspár Péter Dr. Szalay Zsolt, Dr.	Autonóm jármű projektfeladat Autonóm jármű projektfeladat BMEKOGGM710 4. Evaluation type 2 (28) Lecture 0 (0) Practice 2 (28) Lecture 0 (0) Practice Autonomous Vehicle Control Engineering MSc (A) 8. Role or fulfilling the requirements of the su seminars 9 56 Preparation for seminars 40 Midterm preparation Department of Automotive Technolog 0 Dr. Gáspár Péter Dr. Szalay Zsolt, Dr. Bécsi Tamás, Dr. Ar	Autonóm jármű projektfeladat BMEKOGGM710 4. Evaluation type exam grade 2 (28) Lecture 0 (0) Practice 2 (28) Lab Autonomous 8. Role Mandatory (mc) Vehicle Control 8. Role Mandatory (mc) Engineering MSc (A) 8. Role Mandatory (mc) or fulfilling the requirements of the subject 56 Preparation for seminars 40 Midterm preparation 0 Dr. Gáspár Péter Jr. Szalay Zsolt, Dr. Bécsi Tamás, Dr. Aradi Szilárd	Automated vehicle design project Autonóm jármű projektfeladat BMEKOGGM710 4. Evaluation type exam grade 5. Credits 2 (28) Lecture 0 (0) Practice 2 (28) Lab 2 (28) Lab Autonomous Vehicle Control Engineering MSc (A) 8. Role Mandatory (mc) at Autonomous Vehi Engineering MSc (A) or fulfilling the requirements of the subject 56 Preparation for seminars 0 Homework 40 Midterm preparation 0 Exam preparation Department of Automotive Technologies Dr. Gáspár Péter J. Aradi Szilárd Dr. Szalay Zsolt, Dr. Bécsi Tamás, Dr. Aradi Szilárd J. Aradi Szilárd	

The aim of the course is to apply the knowledge gained by the previous courses through the elaboration of an individual or group project. The students choose from an well described problem group of the automated vehicles, and after studying the problem, they design a solution for it. The elaboration of the task goes through the stages of specification, state of the art study, algorithm design, implementation, documentation and end-semester presentation. The classes of the projects aim the elaboration of the progress, and consultation.

15. Description of practices

16. Description of labortory practices

During the lab exercises, the task is to consult with the instructor and check the progress.

17. Learning outcomes

A. Knowledge

B. Skills

- capable of breaking down a project task into elements based on specification
- is able to design a development process
- · is able to track and document a development process
- C. Attitudes
 - open to self-development tasks
- D. Autonomy and Responsibility

• is able to make responsible decisions in a development projec

18. Requirements, way to determine a grade (obtain a signature)

The completed and documented work will be presented by the student at the end of the semester. The prerequisite of the exam is the succesful fulfilment of the individual task.

19. Opportunity for repeat/retake and delayed completion

The individual task cannot be delayed completed.

20. Learning materials

Effective date	10 October 2019	This Subject Datasheet is valid for	Inactive courses
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