

Budapest University of Technology and Economics

Faculty of Transportation Engineering and Vehicle Enginee

1. Subject name				ering and Ve		
	Nonlinea	r control				
2. Subject name in Hungarian	Nemlineáris irányítások					
3. Code	BMEKOKAD018	4. Evaluation type	exam grade	5. Credits	4	
6. Weekly contact hours	3 (0) Lecture	0 (0) Practice	0 (0) Lab	,		
7. Curriculum	PhD Programme	8. Role	Basic course			
9. Working hours t	for fulfilling the req	uirements of the s	ubject		42	
Contact hours	42	Preparation for seminars	0	Homework	0	
Reading written materials	0	Midterm preparation	0	Exam preparation	0	
10. Department	Department of Control for Transportation and Vehicle Systems					
11. Responsible lecturer	Dr. Szabó Zoltán					
12. Lecturers	Dr. Szabó Zoltán					
13. Prerequisites						
14. Description of	lectures					
approach to nonlinea fundamental design follows Lyapunov ba	ar geometric system problems. As an illus ased stability theory,	theory based on inva stration switched syst	riant distributions a ems are presented paches and backst	e basic concepts related and provide solutions fo I. Linearization technique epping design. We prov chniques.	r the most les are presented. It	
15. Description of	practices					
16. Description of	labortory practices	6				
17. Learning outco	omes					
A. Knowledge B. Sk	ills C. Attitudes D. Au	itonomy and Respon	sibility			

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

The credits are obtained by completing the design task and by passing the oral exam. Prior to be accepted for the exam, students should fulfil the design task and should summarize their results in a report.

19. Opportunity for repeat/retake and delayed completion

20. Learning materials

Effective date	27 November 2019	This Subject Datasheet is valid for	Inactive courses