Obuda University									
John von Neumann Faculty of				Institute of Applied Mathematics					
Informatics									
Name and code: Credits:									
NAMSC1EVND Scientific Computing									
2023/23 year I. semester									
Subject lecturers: Dr Kósi Krisztián									
Prerequisites (with									
code):	Loctu	octuro: Cominar:			Lab baura. 1	Consultation			
Weekly hours:	Lectu	Lecture: Seminar.:			Lab. hours:4	Consultation:			
Way of									
assessmen	.								
Course description:									
Goal: trol	The co	irse c			essary mathema	tical tools and			
					ar systems to the				
Linear cont		acas	01 110 11011		an by become to the	, radperve mon			
Course des	cription:	To giv	e the students	an ov	erview of mathematic	cal methods used in			
					g part that shows the				
					se of efficient code w				
code running			o ,			G,			
Lecture schedule									
Educatio	n	Topic							
	week			<u> </u>					
		ntroduction to LaTeX typesetting							
	2. Intrroduction to Jul								
3.									
4.	Mathematical backg			bund					
		Numerical methods							
	6. Fractals								
			duction to Machine Learning						
		letric Space							
		Genetic algorithms							
		Modelling and simulations							
·		•	Control SISO						
		daptive Control MIMO							
13. Extra content									
14. Project Presentation									
Midterm requirements									
	Educa	tion			Торіс				
	wee	ek	<u> </u>						

Final grade calculation methods

The final grade calculated from the homeworks, or can be done a home project. If someone absent at lecture and lab, more than 30% will have denied from the course.

Achieved result	Grade
89%-100%	excellent (5)
76%-88<%	good (4)
63%-75<%	average (3)
51%-62<%	satisfactory (2)
0%-50<%	failed (1)

References

Type of exam	
Type of replacement	

Mandatory:				
Lecutre Notes				
Recommended:				