Study programme(s): Applie	ed Mathematics (M	B)		
Level: master				
Course title: Modelling Semi	inar 2 (MB-11)			
Lecturer: Jelena Aleksić				
Status: obligatory for MB, me	odule Techno-math	ematics		
ECTS : 3				
Requirements: none				
Learning objectives				
Understanding and learning th	ne simulation and/o	r modelling metho	ds by using some	
simulation language.				
Learning outcomes				
Minimal:				
Learning the basic methods of <i>Desirable:</i>	f system modelling	and computer sim	ulation.	
Students should be able to con	nstruct and analyze	a mathematical or	a simulation model	of some
real system.				
Syllabus				
Theoretical instruction				
Basics of modelling and dyna	mical systems, sim	ulation.		
Practical instruction				
Learning the basics of the An	yLogic modelling l	anguage and const	ruction of some	
simulation models.				
Literature				
1. A. Takači, <i>Skripta iz Mate</i> PMF i WUS, Novi Sad 20	0	<i>nja</i> , Departman za	matematiku i inform	natiku
2. S. M. Ross, Simulation, T.	hird Edition, Acade	emic Press, New Y	ork 2002.	
3. S. Lynch, Dynamical Syst	ems with Application	ons using MATLAE	, Birkhauser Verlag	,
Boston 2004.				
DUSIUII 2004.				
Weekly teaching load				Other: 0
	Other forms of te	aching: 0 St	udent research: 0	Other: 0
Weekly teaching load	Other forms of te	aching: 0 St	udent research: 0	Other: 0
Weekly teaching loadLectures: 1Exercises: 2	•			
Weekly teaching loadLectures: 1Exercises: 2Teaching methodology	on the blackboard a	and partly on comp	uters. The students	
Weekly teaching loadLectures: 1Exercises: 2Teaching methodologyTeaching is conducted partlyto write a seminar paper and pathology	on the blackboard a bresent it to their co	and partly on comp lleagues and the te	uters. The students acher.	
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