

Module description

Module title					Abbreviation	
Modeli	ing and	Simulation for Tech	nological Systems		99-MST-161-m01	
Module coordinator				Module offered by		
Dean of the Faculty of Mechanical Engineering at the University of Applied Sciences Würzburg-Schweinfurt				University of Applied Sciences Würzburg- Schweinfurt (FHWS)		
		od of grading		Only after succ. compl. of module(s)		
5	nume	rical grade				
Duration		Module level	Other prerequisites	Other prerequisites		
1 semester		graduate				
Contents						
Theoretical foundations and practical application of the theory of linear and non-linear dynamic systems in electrical engineering and beyond.						
Intended learning outcomes						
The student has basic knowledge of dynamic and nonlinear systems and can describe them with the help of modelling and analyse their behaviour by simulation.						
Courses (type, number of weekly contact hours, language — if other than German)						
V (2) + Ü (2)						
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
written examination (approx. 90 minutes) and practical examination (modelling assignment, approx. 40 hours) Assessment offered: Once a year, winter semester Language of assessment: German and/or English Ü: creditable for bonus						
Allocation of places						
Additional information						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Module appears in						
Master's degree (1 major) Functional Materials (2016)						

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