

Module description

	e title			Abbreviation		
Overvi	ew Opt	imization for Machine	Learning and Function	al Analysis	10-M-OMFA-Ü-232-m01	
Module coordinator				Module offered by		
Dean of Studies Mathematik (Mathematics)			ematics)	Institute of Mathematics		
ECTS	S Method of grading		Only after succ. cor	Only after succ. compl. of module(s)		
12	nume	rical grade				
Duration		Module level	Other prerequisites	Other prerequisites		
1 semester		undergraduate				
Conten	ıts					
learnin Banach	g probl	ems such as support sand Hilbert spaces,			r methods, application to machine	
		ning outcomes				
She is a	able to differe	relate these concepts nt branches in mathe	with one another, and matics.	realises the advar	onal analysis and optimization. He/ ntages of thinking across the bor-	
		number of weekly contact hou	ırs, language — if other than Ge	rman)		
V (4) +						
Matha	d of ace					
			nguage — if other than German,	examination offered —	if not every semester, information on whether	
module is	s creditab	le for bonus)		examination offered —	if not every semester, information on whether	
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Bachelor' degree (1 major) Mathematics (2023)