

# Hochschule für Musik Detmold

## Degree Course Scheme Master of Science Musics Acoustics - PO 2019

Module	components of the module			core /elec t.	semester and time of attendance in min./week				requirements for the award of ECTS credits	ECTS credits
					1	2	3	4		
<b>A Basics of scientific work</b>	1010	A1	Introduction to scientific work	c	90				1 certificate of attendance ("Testat")	
	1020	A2	Application of scientific work	c		90			1 certificate of attendance ("Testat")	
	1030		module exam		oral presentation on a scientific article with a written review paper of 8 pages minimum					4
<b>B Colloquium Music Acoustics and Audio Technique</b>	1510-1540	B	Colloquium music acoustics and audio technique	c	90	90	90	90	1 certificate of attendance ("Testat")	
	1550		module exam		4 oral presentations					4
<b>C Masterthesis</b>	2010	C		c				90	written Master thesis of 60 pages minimum	23
<b>D Fundamentals of Music Acoustics</b>	2510	D1	Organology	c		135			1 certificate of attendance ("Testat")	
	2520	D2	Music Acoustics	c	135				1 certificate of attendance ("Testat")	
	2530	D3	Analysis of traditional and new playing techniques	c	90				1 certificate of attendance ("Testat")	
	2540		module exam		one report on the three courses of the module, which contribute equally to the module grade					8
<b>E Applied Acoustics</b>	3010	E1	Advanced room acoustics	c	90				1 certificate of attendance ("Testat")	
	3020	E2	Acoustic measurement techniques	c	90				1 certificate of attendance ("Testat")	
	3030	E3	Exercise in Acoustic Measurement techniques	c	90				1 certificate of attendance ("Testat")	
	3040	E4	Music computing	c	90				1 certificate of attendance ("Testat")	
	3050		module exam		one project report					8
<b>F Physics of Musical Instruments</b>	3510	F1	Operation of musical instruments	c	90				1 certificate of attendance ("Testat")	
	3520	F2	Exercise in operation of musical instruments	c	45				1 certificate of attendance ("Testat")	
	3530	F3	Lab Exercises - Operation of Musical Instruments	c		90			1 certificate of attendance ("Testat")	
	3540	F4	Structure bourne sound	c		90			1 certificate of attendance ("Testat")	
	3550	F5	Exercises in structure bourne sound	c		90			1 certificate of attendance ("Testat")	
	3560		module exam		two oral exams of each half an hour					9
<b>G Practical Music Acoustics</b>	4010-4020	G1	Excursion to a musical instrument maker or an institute engaged in music acoustics research	c	var.	var.			1 certificate of attendance ("Testat")	
	4030	G2	Congress participation (TMT, AES, DAGA)	e		var.			one of the two courses has to be chosen;	
	4040	G3	Wave field synthesis work shop and concert	e		225			1 certificate of attendance ("Testat")	
	4050	G4	Human factors	c		90			1 certificate of attendance ("Testat")	
	4060		module exam		one report on the <b>four</b> module sections					17
<b>H Construction of a Musical Instrument</b>	4510	H	Construction of a musical instrument	c			var.		1 certificate of attendance ("Testat")	
	4520		module exam		oral presentation of 30 min and a written report on the making process of the instrument and its physics, performance and sound characteristics					23
<b>I A Elective Courses HfM</b>	5000	I A	see offerings of the HfM Detmold	e	var.	var.	var.	var.	variable	
										24
<b>I B Elective Courses</b>		IB1	Psychoacoustics (g/e)	e	2 ECTS				1 certificate of attendance ("Testat")	
		IB2	Courses in Musicology (g)	e	2-4 ECTS				1 or more certificates of attendance ("Testat")	
		IB3	Jazz Combo (g/e)	e	2-8 ECTS				1 or more certificates of attendance ("Testat")	
		IB4	Chamber music (g/e)	e	3-12 ECTS				1 or more certificates of attendance ("Testat")	
		IB5	Mixed Group improvisation (g)	e	2-4 ECTS				1 or more certificates of attendance ("Testat")	
		IB6	Music informatics (g/e)	e	4-8 ECTS				1 or more certificates of attendance ("Testat")	
		IB7	Aural training (g)	e	1-2 ECTS				1 or more certificates of attendance ("Testat")	
		IB8	Technical aural training (g)	e	1-2 ECTS				1 certificate of attendance ("Testat")	
		IB9	Choir (g)	e	1-4 ECTS				1 or more certificates of attendance ("Testat")	
		IB10	Auxiliary Instrument Lessons (g/e) (only after passed aptitude test)	e	16 ECTS				4 certificates of attendance ("Testat")	
		IB11	Participation in an Academic Research Study (g/e)	e	4-8 ECTS				1 or more certificates of attendance ("Testat")	
		IB12	Industrial Internship (g/e)	e	6 ECTS				1 certificate of attendance ("Testat")	
		IB13	Modelling of musical instruments	e	2 ECTS				1 certificate of attendance ("Testat")	
		IB14	Sound field analysis and synthesis	e	2 ECTS				1 certificate of attendance ("Testat")	
		IB15	Virtual Acoustics	e	2 ECTS				1 certificate of attendance ("Testat")	
			External intensive course	e	1-4 ECTS*				1 or more certificates of attendance ("Testat")	
			Selected Master courses of TH OWL	e	2-8 ECTS*				1 or more certificates of attendance ("Testat")	
			module exam		mean of four marked exams in one of the courses					24

(g) = requires knowledge of german language \* ECTS according to the course organiser and in agreement with the program coordinator