

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			
A Basics of scientific work	A1	Introduction to scientific work	c	90				1 certificate of attendance ("Testat")	
	A2	Application of scientific work	c		90			1 certificate of attendance ("Testat")	
		module exam		oral presentation on a scientific article with a written review paper of 8 pages minimum					4
B Colloquium Music Acoustics and Audio Technique	B	Colloquium music acoustics and audio technique	c	90	90	90	90	1 certificate of attendance ("Testat")	
		module exam		4 oral presentations					4
C Masterthesis	C		c				90	written Master thesis of 60 pages minimum	23
D Fundamentals of Music Acoustics	D1	Organology	c		135			1 certificate of attendance ("Testat")	
	D2	Music Acoustics	c	135				1 certificate of attendance ("Testat")	
	D3	Analysis of traditional and new playing techniques	c	90				1 certificate of attendance ("Testat")	
		module exam		one report on the three courses of the module, which contribute equally to the module grade					8
E Applied Acoustics	E1	Advanced room acoustics	c	90				1 certificate of attendance ("Testat")	
	E2	Acoustic measurement techniques	c	90				1 certificate of attendance ("Testat")	
	E3	Exercise in Acoustic Measurement techniques	c	90				1 certificate of attendance ("Testat")	
	E4	Music computing	c	90				1 certificate of attendance ("Testat")	
		module exam		one project report					8
F Physics of Musical Instruments	F1	Operation of musical instruments	c	90				1 certificate of attendance ("Testat")	
	F2	Exercise in operation of musical instruments	c	45				1 certificate of attendance ("Testat")	
	F3	Lab Exercises - Operation of Musical Instruments	c		90			1 certificate of attendance ("Testat")	
	F4	Structure bourne sound	c		90			1 certificate of attendance ("Testat")	
	F5	Exercises in structure bourne sound	c		90			1 certificate of attendance ("Testat")	
		module exam		two oral exams of each half an hour					9
G Practical Music Acoustics	G1	Excursion to a musical instrument maker or an institute engaged in music acoustics research	c	var.	var.			1 certificate of attendance ("Testat")	
	G2	Congress participation (TMT, AES, DAGA)	e		var.			one of the two courses has to be chosen; 1 certificate of attendance ("Testat")	
	G3	Wave field synthesis work shop and concert	e		225			1 certificate of attendance ("Testat")	
	G4	Human factors	c		90			1 certificate of attendance ("Testat")	
		module exam		one report on the four module sections					17
H Construction of a Musical Instrument	H	Construction of a musical instrument	c			var.		1 certificate of attendance ("Testat")	
		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
I A Elective Courses HfM	I A	see offerings of the HfM Detmold	e	var.	var.	var.	var.	variable	24
I B Elective Courses	I B1	Psychoacoustics (g/e)	e		2 ECTS			1 certificate of attendance ("Testat")	
	I B2	Courses in Musicology (g)	e		2-4 ECTS			1 or more certificates of attendance ("Testat")	
	I B3	Jazz Combo (g/e)	e		2-8 ECTS			1 or more certificates of attendance ("Testat")	
	I B4	Chamber music (g/e)	e		3-12 ECTS			1 or more certificates of attendance ("Testat")	
	I B5	Mixed Group improvisation (g)	e		2-4 ECTS			1 or more certificates of attendance ("Testat")	
	I B6	Music informatics (g/e)	e		4-8 ECTS			1 or more certificates of attendance ("Testat")	
	I B7	Aural training (g)	e		1-2 ECTS			1 or more certificates of attendance ("Testat")	
	I B8	Technical aural training (g)	e		1-2 ECTS			1 certificate of attendance ("Testat")	
	I B9	Choir (g)	e		1-4 ECTS			1 or more certificates of attendance ("Testat")	
	I B10	Auxiliary Instrument Lessons (g/e) (only after passed aptitude test)	e		16 ECTS			4 certificates of attendance ("Testat")	
	I B11	Participation in an Academic Research Study (g/e)	e		4-8 ECTS			1 or more certificates of attendance ("Testat")	
	I B12	Industrial Internship (g/e)	e		6 ECTS			1 certificate of attendance ("Testat")	
	I B13	Modelling of musical instruments	e		2 ECTS			1 certificate of attendance ("Testat")	
	I B14	Sound field analysis and synthesis	e		2 ECTS			1 certificate of attendance ("Testat")	
	I B15	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