Annex 3: Study plan Master Physics M.Sc

1As a rule, the Master's programme in Physics comprises the modules listed in the following table. 2of which a selection according to § 37 must be successfully completed. 3Annex 2 sentences 4 and 5 shall apply accordingly. 4The course of study is structured in such a way that the start of the course of study is possible in the summer semester and in the winter semester.

Abbreviation	Module description	Courses	Module type[1]	SWS [2]				ECTS total [3]	Workload [3] per Semester in ECTS-credits				Type and scope of exams and study performance	factor final grade
									Semester					
				V	Ü	P	S		1	2	3	4		
EV-1	**Advanced experimental physics 1** [5]	**EV-A, EV-B or EV-C (scf. § 37 (2))**	**P**	4	3			10	10				Examination (120 Min.)	1
TV-1	**Advanced theoretical physics 1** [6]	**TV-A or TV-B (cf. § 37 (2))**	**P**	4	3			(10)	(10)				Examination(120 Min.)	1
WP-1	**Advanced lab courses and projects 1**	**Advanced lab course** [7]	**P**			7		5	5				Lab course certificate §18b (5 experiments)	1
PW	**Physics elective course according to § 37 (4)**	[4]	**W**	[4]				20	10	10			Depending on the subject [4]	1
NW	**Elective course (other than physics) according to § 37 (5)**	[4]	**W**	[4]				5	5				Depending on the subject [4]	1
EV-2	**Advanced experimental physics 2** [5]	**EV-A, EV-B oder EV-C (siehe § 37 (2))**	**P**	4	3			(10)		(10)			Examination (120 Min.)	1
TV-2	**Advanced theoretical physics 2** [6]	**TV-A or TV-B (cf. § 37 (2))**	**P**	4	3			10		10			Examination(120 Min.)	1
WP-2	**Advanced lab courses and projects 2**	**Advanced lab course** [7]	**P**			7		5		5			Lab course certificate §18b (7 experiments)	1
PS	**Physics Seminar**		**W**				2	5		5			Talk (45 min.) with subsequent discussion	
FO-1	**Specialisation phase according to § 35**		**P**			12		15			15		Unscored study performance: Introduction into the topic of the resaerch phase (ca. 450 Std.)	0
FO-2	**Project planning and preparation according to § 35**		**P**			12		15			15		Preparatory work for the imple-mentation of the research project (ca. 450 hrs.)	0
FO-3	**Master's thesis**	**Master's thesis**	**P**					30				25	cf. §34 (1) sentence 2 and §35	2
		Master's colloquium					2					5		
Sum SWS[8] and ECTS-credits				26 22		36	4	120	30	30	30	30		

1) P = compulsory field; W = optional field..
2) SWS = semester hours per week; V = lecture; Ü = practice; P = practical course; S = seminar.
3) The ECTS in brackets were not taken into account for the workload calculation.
4) Cf. § 37 The type and scope of the examination and the courses depend on the concrete didactic character of the selected module and the relevant (subject) examination regulations or the module handbook.
5) At least one of the modules EV-1 and EV-2 must be successfully completed.
6) At least one of the modules TV-1 and TV-2 must be successfully completed.
7) In addition to the Advanced lab course there are other options, including Advanced projects in computational physics.
8) For the SWS sums, WP 7P and 2V+2Ü per 5 ECTS for the PW and NW modules were assumed.