

Master Physics - Field of Specialisation Theoretical Physics

Module	Module elements	Assessment	CP (ECTS)		WS		SS		WS		SS	
					Semester of study							
					1		2		3		4	
					L / T / LC SWS	CP	L / T / LC SWS	CP	L / T / LC SWS	CP	L / T / LC SWS	CP
Experimental Physics			0	8	2 / 1 / 0	4	2 / 1 / 0	4	0 / 0 / 0	0	0 / 0 / 0	0
Experimental Physics V	Atomic Physics II	g		4	2 / 1 / 0	4						
	Solid-State Physics II	g		4			2 / 1 / 0	4				
Specialist field: Theoretical Physics			0	8	0 / 0 / 0	0	4 / 2 / 0	8	0 / 0 / 0	0	0 / 0 / 0	0
Theoretical Physics V		g		8			4 / 2 / 0	8				
Physics Lab Course			7	0	0 / 0 / 4	7	0 / 0 / 0	0	0 / 0 / 0	0	0 / 0 / 0	0
Physics Lab Course for Advanced Students	Advanced Lab Course IIa	ug	7		0 / 0 / 4	7			/ /			
Seminars + Projects			34	0	0 / 0 / 0	0	0 / 0 / 2	4	0 / 0 / 20	30	0 / 0 / 0	0
Seminar	Seminar in experimental physics/theoretical physics	ug	4				0 / 0 / 2	4				
Research Seminar	Research Seminar	ug	15						0 / 0 / 10	15		
Lab Project	Lab Project	ug	15						0 / 0 / 10	15		
Mandatory electives: Non-physics subjects (18 CP at least 9 CP graded)			9	9	4 / 2 / 0	9	4 / 2 / 0	9	0 / 2 / 0	0	0 / 0 / 0	0
non-physics elective course 1 *		ug	9				4 / 2 / 0	9				
non-physics elective course 2 *		g		9	4 / 2 / 0	9						
Mandatory electives: Physics subjects (15 CP at least 5 CP graded)			0	15	6 / 2 / 0	10	3 / 1 / 0	5	0 / 0 / 0	0	0 / 0 / 0	0
physics elective course 1 **		g		5	3 / 1 / 0	5						
physics elective course 2 **		g		5	3 / 1 / 0	5						
physics elective course 3 **		g		5			3 1 0	5				
Final-year thesis project (30 CP)			0	30	0 / 0 / 0	0	0 / 0 / 0	0	0 / 0 / 0	0	0 / 0 / 0	30
Master's thesis		g		30								30
	Sum total		0	8	2 / 1 / 0	4	2 / 1 / 0	4	0 / 0 / 0	0	0 / 0 / 0	0
	Experimental physics		0	8	2 / 1 / 0	4	2 / 1 / 0	4	0 / 0 / 0	0	0 / 0 / 0	0
	Specialist field		0	8	0 / 0 / 0	0	4 / 2 / 0	8	0 / 0 / 0	0	0 / 0 / 0	0
	Physics Lab Course		7	0	0 / 0 / 4	7	0 / 0 / 0	0	0 / 0 / 0	0	0 / 0 / 0	0
	Seminars and Projects		34	0	0 / 0 / 0	0	0 / 0 / 2	4	0 / 0 / 20	30	0 / 0 / 0	0
	Mandatory electives: non-physics subjects		9	9	4 / 2 / 0	9	4 / 2 / 0	9	0 / 2 / 0	0	0 / 0 / 0	0
	Mandatory electives: physics subjects		0	15	6 / 2 / 0	10	3 / 1 / 0	5	0 / 0 / 0	0	0 / 0 / 0	0
	Master's thesis		0	30	0 / 0 / 0	0	0 / 0 / 0	0	0 / 0 / 0	0	0 / 0 / 0	30
	Credit Points total		50	70	12 / 5 / 4	30	13 / 6 / 2	30	0 / 2 / 20	30	0 / 0 / 0	30

120

* = courses amounting to (at least) 18 CP must be taken. A list of approved non-physics elective courses can be found in the module handbook or on the homepage of the examination office <https://www.ps-mint.uni-saarland.de/de/programmes/physics>

** = courses amounting to (at least) 15 CP must be taken. A list of approved physics elective courses can be found in the module handbook or on the homepage of the examination office <https://www.ps-mint.uni-saarland.de/de/programmes/physics>

Explanatory note: 1 Credit Point (CP) correspond to 30 hours working time

Assessment: g = graded; ug = ungraded

SWS = hours per week

L = Lecture

T = Tutorial

LC = Lab Course