Curriculum Physics M.Sc.			**Particle Physics**			**Condensed Matter Physics**		
			Experimental Particle Physics	**Astroparticle Physics and Cosmology**	**Quantum Field Theory and Gauge Theories**	**Experimental Condensed Matter Physics**	**Nanoelectronics**	**Condensed Matter Theory**
	class hours	**credits**						
1st Semester								
Particle Physics I	V4 Ü2	10	10	10				
Quantum Field Theory of Particle Physics I	V4 Ü2	10			10			
Theory of Relativity and Cosmology	V4 Ü2	10		10	10			
Condensed Matter Physics I	V4 Ü2	10				10	10	
Elektronische Materialien und Bauelemente in der Informationstechnik I	V2 Ü1	5					5	
Quantum Theory of Condensed Matter I	V4 Ü2	10						10
Theoretical Solid State Physics	V4 Ü2	10						10
Elective Courses (chosen from courses above or from specialization and subsidiary courses)			20	10	10	20	15	10
			30	**30**	**30**	**30**	**30**	**30**
2nd semester								
Particle Physics II	V4 Ü2	10	10					
Quantum Field Theory of Particle Physics II	V4 Ü2	10			10			
Astroparticle Physics	V4 Ü2	10		10				
Laboratory Course Particle Physics	V1 P8	10	10					
Condensed Matter Physics II	V4 Ü2	10				10		
Elektronische Materialien und Bauelemente in der Informationstechnik II	V2 Ü1	5					5	
Laboratory Course Solid State Physics	V2 P8	10				10		
Laboratory Course Nanoelectronics	V2 P8	10					10	
Quantum Theory of Condensed Matter II	V4 Ü2	10						10
Computational Physics	V4 Ü2	10						
Quantum Information	V4 Ü2	10						
Statistical Physics	V4 Ü2	10						
Elective Courses (chosen from courses above or from specialisation and subsidiary courses)			10	20	20	10	15	20
			30	**30**	**30**	**30**	**30**	**30**
3rd semester								
Master's Seminar		15	15	15	15	15	15	15
Master's Practical		15	15	15	15	15	15	15
			30	**30**	**30**	**30**	**30**	**30**
4th semester								
Master's Thesis		25	25	25	25	25	25	25
Master's Defence Colloquium		5	5	5	5	5	5	5
			30	**30**	**30**	**30**	**30**	**30**
Total			**120**	**120**	**120**	**120**	**120**	**120**