

Primary and Secondary AoS General Theory of Relativity / Quantum Field Theory (GR/QFT)

Coordination: C.Kiefer

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	hpw	CP	WS17/18	SS18	WS18/19	SS19	WS19/20	SS20
Core Courses								
Relativity and Cosmology I	4+2	9	x		x			
Relativity and Cosmology II	4+2	9		x		x		
Quantum field theory I	4+2	9		x		x		x
Quantum field theory II	4+2	9	x		x		x	
Specialized courses								
Quantum Aspects of Gravity: Quantum Gravity, The Early Universe, Quantum Field Theory in Curved Spacetime, Foundations of Quantum Theory, Quantum Black Holes	2	3		x		x	x	
Particle- and Astrophysics: Advanced Astrophysics, Theoretical Particle Physics, Theoretical Astroparticle Physics, Superstring Theory, Supersymmetry, Advanced Theoretical Particle Physics	3+1	6	x	x	x	x	x	x
Mathematics: Topology ² , Differential Geometry ² , Theory of Groups ² , Functional Analysis ² , Complex Geometry ² , Geometry and Analysis on Supermanifolds and Lie Supergroups	2	3	x	x	x	x	x	x
Seminars								
Advanced Seminar on Relativity and Cosmology	2	3	x		x		(x)	
Advanced Seminar on Quantum Field Theory	2	3		x		(x)		

x confirmed

(x) planned

2: lecture course of doubled load: hpw: 4+2, CP: 6

GR/QFT as Primary: one core course, Adv. Seminar; 2 nd core course or specialized courses.

as Secondary: at least one core course; at least one specialized course.