

Primary and Secondary AoS Statistical and Biological Physics (StatBio)

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	HPW	CP	WS17/18	SS18	WS18/19	SS19	WS19/20	SS20
Core Courses								
Biological Physics I: Molecules and Cells (Bollenbach, Maier)	3+1(+1)	6(+1.5)	x		x		x	
Evolutionary biology and genomics for physicists (Berg, Krug, Lässig)	3+1(+1)	6(+1.5)		x		x		x
Biological Physics II: Systems (Bollenbach, Maier)	3+1(+1)	6(+1.5)		x		x		x
Selected topics in statistical physics:								
Soft and biological matter (Gompper)	3+1(+1)	6(+1.5)						x
Nonequilibrium statistical physics (Krug, Lässig, Schadschneider)	3+1(+1)	6(+1.5)		x				
Statistical physics of disordered systems, information, and inference	3+1(+1)	6(+1.5)				x		
Specialized courses								
Computational soft matter physics (Gompper)	2+1	4.5						
Probability theory and stochastic processes (Krug, Lässig, Witthaut)	2+1	4.5	x					
Introduction to Network Science (Witthaut)	2+1	4.5						
Introduction to Statistical Optics (Sperl)	2	3						
Advanced lab courses								
Experiment and simulation of biological systems (Maier, Berg)	3	4.5	x		(x)		(x)	
Seminars								
Advanced Seminar in Statistical biology and biophysics	2	3	x		x		x	
x confirmed (x) planned								

Statistical and Biological Physics as Primary: at least one core course, Adv. Seminar; further core courses, specialized courses
as Secondary: lectures/courses to sum up to 12 CP.