

## Primary and Secondary AoS Statistical and Biological Physics (StatBio)

Coordination: B.Maier

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	hpw	CP	SS17	WS17/18	SS 18	WS18/19	SS 19
<b>Core Courses</b>							
Introduction to biophysics (Maier)	4+2	9		x		x	
Evolutionary biology and genomics for physicists (Berg, Krug, Lässig)	3+1	6	x		x		x
Selected topics in statistical physics:	4+2	9					
Soft and biological matter (Gompper)			x				
Non-Equilibrium statistical physics (Krug)							
<b>Specialized courses</b>							
Computational soft matter physics (Gompper)	2+1	4.5					
Information theory and statistical physics (Berg)	3+1	6	x				
Non-Equilibrium physics with interdisciplinary applications (Schadschneider)	2+1	4.5					
Probability theory and stochastic processes (Krug, Lässig, Witthaut)	3+1	6					
Introduction to Network Science (Witthaut)	2+1	4.5					
Introduction to Statistical Optics (Sperl)	2+1	4.5	x				
<b>Advanced lab courses</b>							
Experiment and simulation of biological systems (Maier, Berg)	3	4.5		(x)		(x)	
<b>Seminars</b>							
Advanced Seminar on Statistical Biology	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.