Georg-August-Universität Göttingen		6 C
Module M.Phy.5401: Advanced Statistical Physics		6 WLH
Learning outcome, core skills: After successful completion of the module students will be familiar with the core concepts and mathematical methods of statistical physics both in and out of equilibrium. Students will be able to model and analyse interacting or fluctuation-dominated systems using methods from statistical physics, and be aware of a range of application domains including soft matter, biophysics and network dynamics.		Workload: Attendance time: 84 h Self-study time: 96 h
Course: M.Phy.5401.Lec Advanced Statistical Physics (Lecture)		4 WLH
 Examination: written (120 min.) or oral exam (approx. 30 min.) M.Phy.5401.Mp: Advanced Statistical Physics Examination prerequisites: At least 50% of the homework of the excercises have to be solved successfully. 		6 C
Course: M.Phy.5401.Ex Advanced Statistical Physics (Exercise)		2 WLH
Admission requirements: none	Recommended previous knowledge: Basic knowledge of statistical mechanics of equilibrium	
Language: English	Person responsible for module: Prof. Dr. Matthias Krüger	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: three times	Recommended semester:	

Maximum number of students:

80