Georg-August-Universität Göttingen **Module B.Phy.8001: Lecture Series in Physics for Data Scientists**	8 C 6 WLH

Learning outcome, core skills:	**Workload:**
Practical aspects of data acquisition and analysis in different specializations in physics (for example: astrophysics, biophysics, solid-state physics, statistical physics, and/or particle physics) A short introduction to the motivation of various measurements and simulation techniques should be provided.	Attendance time: 84 h Self-study time: 156 h

Course: Lecture Series in Physics for Data Scientists	
Examination: Oral examination (approx. 30 minutes) **Examination prerequisites:** At least 50% of the homework/exercises must be solved successfully **Examination requirements:** Understanding of concepts and various examples given in the lecture series. One should be able to explain the physical context of data acquisition, simulation, and analysis.	8 C

Admission requirements:	**Recommended previous knowledge:**
none	none
Language: English, German	**Person responsible for module:** Prof. Dr. Stan Lai
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: three times	**Recommended semester:** 1 - 4
Maximum number of students: 20	