Departement Physik, Universität Basel
Prof. C. Bruder (Zimmer 4.2, Tel.: 061 207 36 92, Christoph.Bruder@unibas.ch)

Classical and Quantum Nonlinear Dynamics, Frühjahrsemester 2024

Course organization

Lecture: Tuesday, 8:15 - 10:00 Uhr, Seminarraum 4.1
Begin: February 27

Exercise class: Friday 13:15 - 15:00 Uhr, Seminarraum 4.1
Begin: March 1

ECTS credits and grade
to be discussed in the first lecture on February 27:

Tutors:
Julian Arnold, office 4.10
Tobias Nadolny, office 4.48
Dr. Parvinder Solanki, office 4.48

The exercise sheets are available in the lecture and on the webpage
link to course page.

Literature:

S.H. Strogatz, *Nonlinear dynamics and chaos with applications to physics, biology, chemistry and engineering. 3rd edition 2024*,
CRC Press. **PHY NA 296 Ed. 3**

A. Eichler and O. Zilberberg, *Classical and Quantum Parametric Phenomena*,
Oxford University Press. **PHY NA 297**

A. Pikovsky, M. Rosenblum, and J. Kurths, *Synchronization: A universal concept in nonlinear sciences*,
Cambridge University Press. **PHY TH 497 und online in the UniBib**