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

Theory of superconductivity, Frühjahrsemester 2020

Course organization

Lecture: Tuesday, 8:15 - 10:00 Uhr, Seminarraum 4.1
Begin: February 18

Exercise class: 8:30 - 10:00 Uhr, Hörsaal 2

ECTS credits and grade:
To receive the **4 ECTS credits** and the grade "4", you have to obtain 50% of the points in the homework problems. In addition there will be an oral exam that allows you to improve the grade.

Tutors:
Michal Kloc Zi.: 4.10
Frank Schäfer Zi.: 4.13
Gaomin Tang Zi.: 4.16

The exercise sheets are available in the lecture and on the webpage
`http://quantumtheory-bruder.physik.unibas.ch/teaching/fs-2020.html`

Literature:

M. Tinkham, *Introduction to Superconductivity (2nd edition)*,
Dover Publications. **PHY NA 147**

P.G. de Gennes, *Superconductivity of Metals and Alloys*, Westview Press. **PHY NA 128**

A.J. Leggett, *Quantum Liquids: Bose Condensation and Cooper Pairing in Condensed-Matter Systems*, Oxford University Press. **PHY NA 171**