Module title
FOKUS Research Module Theoretical Solid State Physics

Abbreviation
11-FM-TFK-092-m01

Module coordinator
chairperson of examination committee

Module offered by
Faculty of Physics and Astronomy

ECTS
10

Method of grading
numerical grade

Only after succ. compl. of module(s)
--

Duration
1 semester

Module level
graduate

Other prerequisites
Recommended: 11-KM, 11-TQM

Contents
Specific and advanced knowledge of independent scientific work in a current research area, especially in the discipline of Theoretical Solid-State Physics, reproduction of knowledge, acquisition of social and methodological competencies.

Intended learning outcomes
The students have special and advanced knowledge of independent scientific work in a current research area, especially in the field of Theoretical Solid-State Physics, and are able to reproduce the acquired knowledge, to apply the acquired methods and to summarise a sub-area of the current research area in an oral presentation.

Courses (type, number of weekly contact hours, language — if other than German)
Theoretische Festkörperphysik (Theoretical Solid State Physics): V (4 weekly contact hours) + Ü/P (2 weekly contact hours), German or English, once a year (winter semester)
Kompaktseminar Theoretische Festkörperphysik (Block Taught Seminar Theoretical Solid State Physics): S (2 weekly contact hours), German or English, details on availability to be announced (block taught seminar (3 days), usually held during semester break)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)
This module has the following assessment components
1. Topics covered in lectures and exercises: written examination (approx. 90 minutes) or talk (approx. 30 minutes) or oral examination of one candidate each or oral examination in groups (approx. 30 minutes) or project report (approx. 8 pages)
2. Seminar: talk (approx. 30 to 45 minutes)

Assessment components 1 and 2 will be offered in German or English.
Students must register for assessment components 1 and 2 online (details to be announced).
Assessment component 1 will be offered once a year in the winter semester; details on when assessment component 2 will be offered to be announced.
To pass this module, students must pass both assessment component 1 and assessment component 2.

Allocation of places
--

Additional information
--

Referred to in LPO I (examination regulations for teaching-degree programmes)
--

Module appears in
Master's degree (1 major) FOKUS Physics (2010)
Master's degree (1 major) FOKUS Physics (2011)