Module title			Abbreviation
FOKUS Research Module Theoretical Solid State Physics			11-FM-TFK-092-m01
Module coordinator		**Module offered by**	
chairperson of examination committee		Faculty of Physics and Astronomy	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
10	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	graduate	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

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Master's degree (1 major) FOKUS Physics (2010)

Master's degree (1 major) FOKUS Physics (2011)