Module title			Abbreviation
FOKUS Research Module Dirac Fermions in Mesoscopic Systems			11-FM-RMS-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)
9	numerical grade	--

Duration	Module level	Other prerequisites
1 semester	graduate	--

Contents

Specific and advanced knowledge of independent scientific work in a current research area, especially in the specialist field of Dirac fermions in mesoscopic systems, 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 Dirac fermions in mesoscopic systems, 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)

Relativistische Effekte in Mesoskopischen Systemen (Relativistic Effects in Mesoscopic Systems): V (3 weekly contact hours) + Ü/P (1 weekly contact hour), German or English
Kompaktseminar Dirac Fermionen in Mesoskopischen Systemen (Block Taught Seminar Dirac Fermions in Mesoscopic Systems): 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).
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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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)