

Module title		Abbreviation
FOKUS Research Module Topology in Solid State Physics with Mini Research Project		11-FM-TFP-MF-141-mo1
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)
14	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 topology in Solid-State Physics.		
Intended learning outcomes		
The students have special and advanced knowledge of independent scientific work in a current research area of topology of Solid-State Physics.		
Courses (type, number of weekly contact hours, language — if other than German)		
<p>Topologie in der Festkörperphysik (Topology in Solid State Physics): V (3 weekly contact hours) + Ü/P (1 weekly contact hour), German or English, once a year (summer semester)</p> <p>Kompaktseminar Topologie in der Festkörperphysik (Block Taught Seminar Topology in 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)</p> <p>Miniforschungsprojekt Topologie in der Festkörperphysik (Mini Research Project Topology in Solid State Physics): P (2 weekly contact hours), German or English, details on availability to be announced (either block taught during semester break or approx. 3 weeks part time)</p>		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>This module has the following assessment components</p> <ol style="list-style-type: none"> 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) 3. Research project: project report (approx. 8 pages) <p>Assessment components 1 through 3 will be offered in German or English. Students must register for assessment components 1 through 3 online (details to be announced). Assessment component 1 will be offered once a year in the summer semester; details on when assessment components 2 and 3 will be offered to be announced. To pass this module, students must pass each of the assessment components 1 through 3.</p>		
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)