

WÜRZB		5 (6 2 × 5 2 6)	33 9 2 1	Module description
Module title				Abbreviation
Quantum Transport in Semiconductor Nanostructures				11-QTH-102-m01
Module coordinator			Module offered by	
Managing Director of the Institute of A		plied Physics Faculty of Physics and Astronomy		
ECTS Method of grading		Only after succ. compl. of module(s)		
6 num	erical grade	<u> </u>		
Duration Module level		Other prerequisites		
Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective det at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment the course of the semester, the lecturer will put their registration for sessment into effect. Students who meet all prerequisites will be ad ted to assessment in the current or in the subsequent semester. For sessment at a later date, students will have to obtain the qualification admission to assessment anew.				ents about the respective details tion for the course will be con- nission to assessment. If stu- or admission to assessment over will put their registration for as- et all prerequisites will be admit- ne subsequent semester. For as-
Contents				
topics of: ba phenomena	llistic and diffuse transpo	ort, electron interferen omb blockade, thermo	ce effects, quantisat electric properties, o	nostructures. This includes the tion of conductivity, interaction description of spin-dependent
Intended learning outcomes				
	have mastered the basic lications of respective co		nostructures in theo	ry and practice. They know functi-
Courses (type, number of weekly contact hours, language — if other than German)				
V + R (no information on SWS (weekly contact hours) and course language available)				
Method of as		age — if other than German,	examination offered — if no	ot every semester, information on whether
groups (approproject report (approx. 30 report Assessment and will be a examination	ox. 30 minutes per candi t (approx. 8 to 10 pages, ninutes) offered: When and how o nnounced in due form un regulations) 2009. assessment: German, En	date, for modules with time to complete: 1 to fee assessment will der observance of Se	h less than 4 ECTS co 4 weeks) or d) preso be offered depends	idate each or oral examination in redits approx. 20 minutes) or c) entation/seminar presentation on the method of assessment 3 ASPO (general academic and

## Additional information

## Workload

## Teaching cycle

## $\textbf{Referred to in LPO I} \ \ (\text{examination regulations for teaching-degree programmes})$



# Module description

## Module appears in

Bachelor' degree (1 major) Physics (2010)

Bachelor' degree (1 major) Physics (2012)

Bachelor' degree (1 major) Nanostructure Technology (2010)

Bachelor' degree (1 major) Nanostructure Technology (2012)

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

Master's degree (1 major) Technology of Functional Materials (2010)

Master's degree (1 major) Nanostructure Technology (2011)

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

Master's degree (1 major) Functional Materials (2012)

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