Module description

	e title				Abbreviation
Study Group Mathematical Physics					11-MP-AG-122-m01
Module coordinator				Module offered by	
chairperson of examination committee Mathematische Physik (Mathematical Physics)				Faculty of Physics and Astronomy	
ECTS	Meth	od of grading	Only after succ. compl. of module(s)		
lo	numerical grade				
Duratio	on	Module level	Other prerequisites	5	
ı seme	ster	graduate			
Conten	Its				
area. S	ummai	y of the required funda	-		a Master's thesis in this research
		ning outcomes			
		have advanced knowlee esearch topics. They are			hysics and have gained insights oral presentation.
Course	S (type, 1	number of weekly contact hours	, language — if other than Ge	rman)	
weekly Arbeits weekly Arbeits kly con Arbeits + S (2 v Arbeits weekly Arbeits weekly Arbeits	contac gemein contac gemein tact ho gemein veekly gemein contac gemein contac gemein contac	t hours), German or En schaft Dynamische Syst t hours) + S (2 weekly o schaft Funktionentheo ours), German or English schaft Geometrie und contact hours), German schaft Mathematik in o t hours) + S (2 weekly o schaft Maß und Integra	glish, available as nec steme und Regelung (S contact hours), Germar rie (Study Group Comp n, available as necessa Topologie (Study Grou or English, available a den Naturwissenschaft contact hours), Germar	essary Study Group Dynamic o or English, availabl olex Analysis): V (2 w ary p Geometry and Top as necessary cen (Study Group Ma	: V (2 weekly contact hours) + S cal Systems and Control): V (2 le as necessary veekly contact hours) + S (2 wee ology): V (2 weekly contact hour thematics in the Sciences): V (2
necess Arbeits Theory) Arbeits lish, ev	gemeii): V (2 \	nschaft Numerische Ma malysis): V (2 weekly co nschaft Robotik, Optimi weekly contact hours) + nschaft Zahlentheorie (9 years	glish, available as nec thematik und Angewa ontact hours) + S (2 we erung und Kontrollthe S (2 weekly contact ho	re and Integral): V (2 essary ndte Analysis (Study ekly contact hours), orie (Study Group Ro ours), German or Eng	e as necessary 2 weekly contact hours) + S (2 9 Group Numerical Mathematics German or English, available as 9 botics, Optimisation and Contro glish, available as necessary contact hours), German or Eng-

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VOEL

UNIVERSITÄT WÜRZBURG

Module description

Arbeitsgemeinschaft Quantenfeldtheorie (Study Group Quantum Field Theory): S (no set number of weekly contact hours, mentoring during study group sessions), German or English

Arbeitsgemeinschaft Riemannsche Geometrie (Study Group Riemannian Geometry): S (no set number of weekly contact hours, mentoring during study group sessions), German or English

Arbeitsgemeinschaft Symplektische und Poisson-Geometrie (Study Group Symplectic and Poisson Geometry): S (no set number of weekly contact hours, mentoring during study group sessions), German or English Arbeitsgemeinschaft Statistische Mechanik (Study Group Statistical Mechanics): S (no set number of weekly contact hours, mentoring during study group sessions), German or English

Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)

Mathematics Courses:

This module will be assessed by one or two of the following methods (to be selected by the lecturer at the beginning of the course):

• Topics covered in one lecture with seminar that is assigned to this module: presentation (60 to 180 minutes), written elaboration (approx. 5 to 30 pages), written examination (approx. 60 to 120 minutes), oral examination of one candidate each (approx. 15 to 20 minutes) or oral examination in groups of 2 candidates (approx. 20 to 30 minutes).

Language of assessment: German or English.

Assessment will be offered in the semester in which the respective course is offered and in the subsequent semester; the courses will be available as necessary or every four semesters.

Registration for the seminar must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. The lecturer may require that participants have previous knowledge and/or skills in certain areas and/or meet certain prerequisites (e.g. preparation of a written outline of their talk) to qualify for admission to assessment. Students will be informed about the details at the beginning of the course. Registration for the seminar will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment, the lecturer will put their registration for assessment into effect at the end of the course. If the lecturer selects two methods of assessment, the grades achieved in the two assessments will be equally weighted in the calculation of the module grade.

Physics courses:

This module will be assessed by a talk on the topics covered in the seminar and a discussion (approx. 30 to 45 minutes total).

Language of assessment German or English

Students must register for assessment online (details to be announced).

To pass this module, students must pass the assessment for the course they attended.

Allocation of places

Additional information

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Workload

Teaching cycle

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

Module appears in

Master's degree (1 major) Mathematical Physics (2012)

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