

Module description

Module title				Abbreviation
Quantum Field Theory II				11-QFT2-161-m01
Module coordinator			Module offered by	
Managing Director of the Institute of Theoretical Physics and Astrophysics			Faculty of Physics and Astronomy	
ECTS Meth	nod of grading	Only after succ. co	ompl. of module(s)	
8 num	erical grade			
Duration Module level Other		Other prerequisites	ther prerequisites	
1 semester graduate				
Contents		•		
 Path Integ Renormali Renormali Gauge the Spontaneo 	zation zation group			
	rning outcomes			
red the princ blems of qua		nalisation and gauge g the acquired calcul	theories. They are al ation methods.	um field theory. They have maste ole to formulate and solve pro-
V (4) + R (2)	,			
	ht in: German or English			
Method of as		age — if other than German,	examination offered — if no	ot every semester, information on whether
or oral examinages) or present or present a written existed take the of assessment assessment.	ination in groups (groups esentation/talk (approx. 3 xamination was chosen a ne form of an oral examina nt is changed, the lecture	of 2, approx. 30 minutes). Is method of assessmation of one candidater must inform studen The which the course is	utes per candidate) o ent, this may be cha e each or an oral exa ts about this by four	didate each (approx. 30 minutes or project report (approx. 8 to 10 nged and assessment may inmination in groups. If the metho weeks prior to the original examubsequent semester
Allocation of	places			
Additional in	formation			
Workload				
Workload 240 h				
	:le			
240 h	:le			

Module appears in

Master's degree (1 major) Mathematics (2016)



Module description

Master's degree (1 major) Physics (2016)

Master's degree (1 major) Mathematical Physics (2016)

Master's degree (1 major) Computational Mathematics (2016)

Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)

Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)

Master's degree (1 major) Computational Mathematics (2019)

Master's degree (1 major) Mathematics (2019)

Master's degree (1 major) Physics (2020)

Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)

Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)

Master's degree (1 major) Mathematical Physics (2020)

Master's degree (1 major) Computational Mathematics (2022)

Master's degree (1 major) Mathematics (2022)

Master's degree (1 major) Mathematical Physics (2022)

exchange program Physics (2023)

Master's degree (1 major) Computational Mathematics (2024)

Master's degree (1 major) Mathematics (2024)

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