

Master Mathematical Physics

Module Registration (TOOL):

19 March 2024 - 12:00 (noon)

End: 25 March 2024 - 17:00

Module De-Registration (AlmaWeb):

8 June 2024 in AlmaWeb

Research Practice

Forschungspraktikum Research Practice					(12-PHY-MPFS)
Prof. Dr. R. Verch / Prof. Dr. M. Schwarz	by arrangement			S	

Advanced Seminar

Specialized Topics of Theoretical and Mathematical Physics					(12-PHY-MWPSMP)
Prof. Dr. B. Fine	by arrangement			S	ITP, Brüderstr. 16
Specialized Topics of Theoretical Physics					(12-PHY-MWPSTP)
Prof. Dr. B. Rosenow	by arrangement			S	ITP, Brüderstr. 16

Compulsory Elective Modules - Mathematics

Fortgeschrittene Analysis I - Partielle Differentialgleichungen Advanced Analysis - Partial Differential Equations					(10-MAT-MPAN1)
Prof. Dr. S. Czimek		Tue	11:15-12:45	L	SG 3-12
Prof. Dr. S. Czimek		Wed	9:15-10:45	L	SG 3-12
Prof. Dr. S. Czimek		Tue	15:15-16:45	S	Augusteum, A-314
Fortgeschrittene Differentialgeometrie I Advanced Differential Geometry I					(10-MAT-MPDG1)
MV Prof. Dr. J. Hirsch		Tue	13:15-14:45	L	SG 3-14
Prof. Dr. J. Hirsch		Wed	9:15-10:45	L	Felix-Klein-Hörsaal
Prof. Dr. J. Hirsch		Thu	13:15-14:45	S	SG 3-14
Funktionalanalysis / Operatortheorie Functional Analysis / Operator Theory					(10-MAT-MPPOP1)
Prof. Dr. F. H. Pogorzelski		Mon	9:15-10:45	L	Paulinum, P-801
Prof. Dr. F. H. Pogorzelski		Tue	9:15-10:45	L	Augusteum, A-314
Stochastische Prozesse I Stochastic Processes I					(10-MAT-MPSP1)
MV Prof. Dr. A. Bufetov		Mon	13:15-14:45	L	SG 2-14
Prof. Dr. A. Bufetov		Tue	9:15-10:45	L	SG 2-14
Prof. Dr. A. Bufetov		Mon	15:15-16:45	S	SG 3-11

(as at: 19 March 2024, subject to change)

Abbreviations

tba= to be announced E= Exercise L= Lecture Lab= Laboratory Course S= Seminar

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Compulsory Elective Modules - Physics

Relativistic Quantum Field Theory

Prof. Ph.D. S. Hollands	by arrangement	L	ITP, Brüderstr. 16
Prof. Ph.D. S. Hollands	by arrangement	L	ITP, Brüderstr. 16
Dr. J. Zahn	by arrangement	S	ITP, Brüderstr. 16

Advanced Statistical Physics

(12-PHY-MWPT2)

MV	Prof. Dr. K.-D. Kroy	by arrangement	L	ITP, Brüderstr. 16
	Prof. Dr. K.-D. Kroy	by arrangement	L	ITP, Brüderstr. 16
Gr. 1	K. Tholen	by arrangement	E	ITP, Brüderstr. 16
Gr. 2	C. Rein	by arrangement	E	ITP, Brüderstr. 16

Elective Modules: Mathematics & Physics

Dynamische Systeme

Dynamical Systems

(10-MAT-MPDS1)

Prof. Dr. M. Schwarz	Wed	13:15-14:45	L	SG 3-12
Prof. Dr. M. Schwarz	Fri	11:15-12:45	L	SG 3-12

Ausgewählte Probleme der Analysis

Selected Topics in Analysis

(10-MAT-MPSTAN)

Prof. Dr. M. Schwarz	Wed	13:15-14:45	L	SG 3-12
Prof. Dr. M. Schwarz	Fri	11:15-12:45	S	SG 3-12

Computational Physics II

(12-PHY-MWPCQT1)

Prof. Dr. W. Janke	by arrangement	L	ITP, Brüderstr. 16
Prof. Dr. W. Janke	by arrangement	E	ITP, Brüderstr. 16

Quantum Field Theory on Curved Space Time

(12-PHY-MWPQFG3)

Prof. Dr. R. Verch	by arrangement	L	ITP, Brüderstr. 16
Prof. Dr. R. Verch	by arrangement	L	ITP, Brüderstr. 16
Prof. Dr. R. Verch	by arrangement	E	ITP, Brüderstr. 16

Practical Course: Quantum Field Theory and Gravity

(12-PHY-MWPQFG6)

Dr. D. Cadamuro	by arrangement	Lab	ITP, Brüderstr. 16
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Quantum Field Theory of Many-Particle Systems

(12-PHY-MWPSTP1)

Prof. Dr. B. Rosenow	by arrangement	L	ITP, Brüderstr. 16
Prof. Dr. B. Rosenow	by arrangement	L	ITP, Brüderstr. 16
M. Thamm	by arrangement	E	ITP, Brüderstr. 16

Group Theory and Its Applications in Physics

(12-PHY-MWPTKS1)

Prof. Dr. D. Roggenkamp	by arrangement	L	ITP, Brüderstr. 16
Prof. Dr. D. Roggenkamp	by arrangement	L	ITP, Brüderstr. 16
Prof. Dr. D. Roggenkamp	by arrangement	E	ITP, Brüderstr. 16

Black Holes (10 CP)

(NEW)

Prof. Ph.D. D. Gajic	by arrangement	L	ITP, Brüderstr. 16
Prof. Ph.D. D. Gajic	by arrangement	L	ITP, Brüderstr. 16
Q. Rutgers	by arrangement	E	ITP, Brüderstr. 16

Info

Registration: 25 places are available. Please send an e-mail from your University e-mail (@studserv.uni-leipzig.de) to: module-regisrtation[A]physes.uni-leipzig.de
Necessary information: Name, Surname, Course of studies and matriculation number.
<https://moodle2.uni-leipzig.de/course/view.php?id=48658>

Elective Module: Meteorology

T6-Datenassimilation

T6-Data Assimilation

(12-111-1034)

Prof. Dr. J. Quaas	Start: 3.4.2024	Wed	14:00-15:30	L	Stephanstr. 3	SR 1 / CIP-Pool
Prof. Dr. J. Quaas	Start: 3.4.2024	Wed	15:30-16:15	Lab	Stephanstr. 3	SR 1 / CIP-Pool

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