

FACULTY OF MATHEMATICS AND NATURAL SCIENCES
MATHEMATICS

COURSES AND SEMINARS / SUMMER TERM 2007

Term time : 2. April — 13. July 2007

Abbreviations :

Gr.HS Math.:	Lecture Hall 241 (Großer Hörsaal), Wegelerstr. 10
Kl.HS Math.:	Lecture Hall 242 (Kleiner Hörsaal), Wegelerstr. 10
ZS:	Lecture Hall 244 (Zeichensaal), Wegelerstr. 10
HS We8:	Lecture Hall Applied Physics, Room 106, Wegelerstraße 8
WP HS	Lecture Hall (Wolfgang Paul), Kreuzbergweg 28
AudiMax	Auditorium Maximum of the Computer Science, Römerstr. 164
Gr.HS Botanik:	Lecture Hall Botanic, Nußallee 4
HS Zoologie:	Lecture Hall Zoology, Poppelsdorfer Schloß
HS Pharmacy:	Lecture Hall Pharmacy, Kreuzbergweg 26
SR We6/501:	Room 501, Wegelerstr. 6
SR We6/610:	Room 610, Wegelerstr. 6
SR We10/251:	Room 251, Wegelerstr. 10
SR A:	Room 11, Beringstr. 4
SR B:	Room 37, Beringstr. 4
SR C:	Room 3, Beringstr. 1
SR D:	Room 13, Meckenheimer Allee 160, acces only via Beringstr. 1
SR E:	Room 3, Meckenheimer Allee 160, acces only via Beringstr. 1
SR F:	Room 2, Meckenheimer Allee 160, acces only via Beringstr. 1
SR G:	Room 627, Lecture Hall Building Physics, Kreuzbergweg 28
HS G, F:	Lecture Halls Nassestr. 2
HS 1, A, ..., D:	Lecture Halls Römerstraße 164
Room A*,N*:	Seminar Rooms Römerstraße 164
MPI:	Lecture Hall MPI for Mathematics, Vivatsgasse 7
u.M.:	and staff
n.V.:	Time or place to be announced in lecture, seminar ect.

MATHEMATICS

Activities before and after term time

- 6501 The programming languages C/C++ K.W. Jacobs
24.9.07 – 12.10.07,
3 hrs, 9-12, Gr.HS Math.
- 6502 Exercises thereto (in groups) 1 hr, in the afternoon n.V. K.W. Jacobs
-

Course for pupils

- 6503 Study group for pupils: Matheclub Th. Räsch
3 st, <http://matheclub.math.uni-bonn.de/>
-

General Orientation Course

- 6504 Lecture for fourth semester FS Mathematik and
1 hrs, Wednesday afternoon, Gr.HS Math. several professors
-

Basic Studies: Courses

- 6505 Analysis II H. Koch
(obligatory for students of mathematics,
recommended for students of physics)
4 hrs, Mo, Thu 8-10, WP HS
- 6506 Exercises thereto H. Koch u.M.
4 hrs, n.V.
- 6507 Linear Algebra II D. Huybrechts
(for mathematicians obligatory,
for physicists recommended)
4 hrs, Tu 8-10, Fr 10-12, WP HS
- 6508 Exercises thereto D. Huybrechts u.M.
4 hrs, n.V.
- 6515 Analysis IV J. Frehse
4 st, We, Fr 8-10, Gr.HS Math.

6516	Exercises thereto 2 st, n.V.	J. Frehse
6517	Practical Mathematics II 4 hrs, Tu, Thu 10-12, Gr.HS Math.	R. Krause
6518	Exercises thereto, 2 hrs, n.V.	R. Krause u.M.
6519	Algebra I 4 hrs, Tu, Thu 8-10, Kl.HS Math.	
6520	Exercises thereto 2 hrs, n.V.	N.N. u.M.

Basic Studies: Seminars

6521	Proseminar Analysis 2 st, Mo 14-16, SR E	H. Koch
6522	Proseminar Set theory constructions of number sets 2 st, We 10-12, SR C	Th. Räsch
6523	Proseminar Models of financial markets 2 st, n.V.	M. Schäl
6524	Proseminar Elementary Number Theory 2 st, We 10-12, SR F	M. Welter
0060	Proseminar Discrete Optimization 2 st, Mo 12-14 oder n.V., Institute for Discrete Mathematics, Lennéstraße 2, Seminarroom	B. Korte, J. Vygen, U. Brenner

Basic Studies: Practica

0065	Practical training (for computer scientists) within study course informatics 4 hrs, n.V., Institute for Discrete Mathematics, Lennéstr. 2, Seminarroom	B. Korte, J. Vygen, U. Brenner
------	---	--------------------------------------

Courses for other Faculties

6525	Applied Mathematics for Agricultural scientists, EHW and LMT 2 st, n.V.	H. Gottschalk
6526	Exercises therto 1 st, n.V.	H. Gottschalk
6527	Tutorial thereto 1 st, n.V.	H. Gottschalk u.M.

6507	Lineare Algebra II (for mathematicians obligatory, for physicists recommended) 4 st, Tu 8-10, Fr 10-12, WP HS	D. Huybrechts
6508	Exercises thereto 4 st, n.V.	D. Huybrechts u.M.
6536	Mathematics and statistical methods for Pharmacists 2 st, Mo 8-10, HS Pharm. Inst. Pop. for second and third semester	K.W. Jacobs
6528	Biometry for ARTS (Agricultural Research in Tropical Subclimates) 2 st, n.V.	M. Kaßmann
6529	Exercises thereto 1 st, n.V.	M. Kaßmann
6505	Analysis II (for mathematicians obligatory, for physicists recommended) 4 st, Mo, Thu 8-10, WP HS	H. Koch
6506	Exercises thereto 4 st, n.V.	H. Koch u.M.
6511	Mathematics for Computer Scientists II B Analysis 2 4 hrs, Tu, Thu 9-11, HS D	K. Leschinger
6512	Exercises thereto 2 hrs, n.V.	K. Leschinger u.M.
6530	Mathematics II for Physicists 4 st, Tu, Thu 8-10, Gr.HS Math.	F. Otto
6531	Exercises thereto 3 st, n.V.	F. Otto, B. Metsch
6532	Supplements thereto 2 st, Mo 8-10, Gr.HS Math.	B. Metsch
6509	Mathematics for Computer Scientists II A Logic and discrete structures 2 st, Mo 13-15, HS D	Th. Räsch
6510	Exercises thereto 2 st, n.V.	Th. Räsch
6580	Variational calculus and statistics in image processing in geodesy 4 st, Tu, Thu 10-12, Kl.HS Math.	M. Rumpf
6581	Exercises thereto 2 st, n.V.	M. Rumpf
6668	Software practical mathematical methods in image processing in geodesy in der Geodäsie 3 st, Termin n.V.	M. Rumpf
6513	Mathematics for Informatics IV probability-theory and statistis 4 st, Mo, We 9-11, HS D	M. Schäl

6514	Exercises thereto 2 st, Fr 13-15, HS D	M. Schäl u.M.
6533	Mathematics in Biology II 2 st, Mo 11-13, Gr.HS Zoology	M. Welter
6534	Exercises thereto Mo-Fr in the afternoon, 14-16 and 16-18, place n.V.	M. Welter
6535	Supplements thereto 1 st, Fr 11-12, Gr.HS Math.	M. Welter
6537	Mathematics for Scientists II 3 hrs, We 14-16, Thu 17-18, SR G	Th. Wörmann
6538	Supplements thereto 2 hrs, Fr 14-16, SR G	Th. Wörmann
6539	Exercises thereto 2 hrs, n.V.	Th. Wörmann

Upper Level Studies for Teacher's Training: Courses

6540	Stochastic processes 4 st, Mo, We 10-12, Gr.HS Math.	A. Eberle
6541	Exercises thereto 2 st, n.V.	A. Eberle u.M.
6542	Examination Course for the teacher's examination 4 st, Mo 10-12, Thu 12-14, SR D	J. Frehse
6543	Approximation theory 4 st, Mo, Thu 14-16, ZS	K. Scherer
6544	Exercises thereto 1 st, Mo 16-17, ZS	K. Scherer
6545	Functional analysis II 4 st, Tu, Thu 8-10, ZS	W. Weigant
6546	Exercises thereto 2 st, n.V.	W. Weigant
6547	Revision course Algebra and number theory for teacher's training 2 st, Mo 10-12, SR B	A. Wynands

Upper Level Studies for Teacher's Training: Seminars

6548	Seminar Wavelets 2 st, n.V.	K. Scherer
------	--------------------------------	------------

Upper Level Studies for Teacher's Training: Seminars on Didactics

- 6549 Seminar Didactics in mathematics for Sek I/II A. Wynands
2 st, Tu 10-12, SR C
-

Diploma Level Studies : Lectures

- 6550 Partial differential equations II H.W. Alt
4 st, We, Fr 10-12, ZS
- 6551 Exercises thereto H.W. Alt
2 st, n.V.
- 6552 Cohomology of groups Ch. Ausoni
2 st, Mo 8-10, SR B
- 6553 Exercises thereto C. Ausoni
2 st, n.V.
- 6554 Ricci flow W. Ballmann
4 st, Tu, Thu 10-12, SR E
- 6555 Exercises thereto W. Ballmann
2 st, n.V.
- 6556 Topology II C.-F. Bödigeimer
4 hrs, We, Fr 8-10, Kl.HS Math.
- 6557 Exercises thereto C.-F. Bödigeimer
2 st, n.V.
- 0080 VLSI-Design U. Brenner
2 st, We 15-17, Gerhard-Konow-Hörsaal, Institute
for Discrete mathematics, Lennéstr. 2
- 6558 Martingal theory N. Christopeit
2 st, Tu 10.45-12.15, Juridicum R. 055
- 6540 Stochastic processes A. Eberle
4 st, Mo, We 10-12, Gr.HS Math.
- 6541 Exercises thereto A. Eberle u.M.
2 st, n.V.
- 6559 Arithmetic geometry G. Faltings
4 hrs, We 10-12, Fr 14-16, SR E
- 6560 Number theory II J. Franke
4 st, We, Fr 8-10, ZS
- 6561 Exercises thereto J. Franke u.M.
2 st, n.V.
- 6562 Complex spaces II J. Franke
4 st, Mo, 8-10, Fr 10-12, Kl.HS Math.
- 6563 Formal groups U. Görtz
4 st, Tu, Thu 8-10, SR A

6564	Statistical quantum mechanics - operator algebras and Euclidean methods 2 st, n.V.	H. Gottschalk
6565	Scientific computing II 4 st, Tu, Thu 10-12, SR We6/610	M. Griebel
6566	Exercises thereto 2 st, n.V.	M. Griebel u.M.
6567	Differential geometry II 4 st, We, Fr 10-12, SR B	U. Hamenstädt
6568	Exercises theret 2 st, n.V.	U. Hamenstädt
6569	Partial differential equations and Martingal problems 2 st, Mo 10.00 Uhr s.t., ZS	M. Kaßmann
6570	Set theory II 4 st, Mo 14-16, Kl.HS Math., We 13-15, ZS	P. Koepke
6571	Exercises thereto 2 st, n.V.	P. Koepke, B. Irrgang
0076	Discrete mathematics II 4 st, Tu, Thu 16-18, Gerhard-Konow-Hörsaal, Lennéstraße 2	B. Korte
0077	Exercises for Discrete mathematics II 2 st, Thu 14-16, Gerhard-Konow-Hörsaal, Lennéstraße 2	B. Korte, C. Schulte
6572	Scientifique computing IV 4 st, Mo, We 12-14, Kl.HS Math.	A. Kunoth
6573	Exercises thereto 2 st, n.V.	A. Kunoth
6574	Atiyah-Singer index theory II 4 st, Tu, Thu 10-12, SR B	M. Lesch
6684	L-Functions II 4 st, Mo, We 16-18, SR C	B.Z. Moroz
6575	Analysis on manifolds II 4 st, Tu, Thu 10-12, ZS	W. Müller
6576	Exercises thereto 2 st, n.V.	W. Müller
6577	Applied stochastics 4 st, Tu, Thu 12-14, n.V.	N.N.
6578	Exercises thereto 2 st, n.V.	N.N.
6669	Selected topics of differential geometry II 2 st, Fr 15-17, ZS	Th. Püttmann
6579	Algebraic geometry 4 st, Tu, Thu 10-12, SR A	M. Rapoport
6580	Variational calculus and statistis in picture processing 4 st, Tu, Thu 10-12, Kl.HS Math.	M. Rumpf
6581	Exercises thereto 2 st, n.V.	M. Rumpf

6543	Approximation theory 4 st, Mo, Thu 14-16, ZS	K. Scherer
6544	Exercises thereto 1 st, Mo 16-17, ZS	K. Scherer
6582	Introduction to representation theory II 4 st, Mo, We 10-12, Kl.HS Math.	J. Schröer
6583	Exercises thereto 2 st, n.V.	J. Schröer u.M.
6584	Topology IV 4 st, Tu, Thu 10-12, SR D	St. Schwede
6585	Exercises thereto 2 st, n.V.	G. Gaudens
6586	Stochastic analysis II 4 st, Mo, We 10-12, SR A	K-Th. Sturm
6587	Exercises thereto 2 st, n.V.	K-Th. Sturm
0078	Mathematical optimization II 4 st, Tu, Thu 12-14, Gerhard-Konow-Hörsaal, Institute for Discrete mathematics, Lennéstraße 2	J. Vygen
0079	Exercises thereto 2 st, Tu 14-16 or n. V., Gerhard-Konow-Hörsaal Institute for Discrete mathematics, Lennéstraße 2	J. Vygen, C. Bartoschek
6545	Functional analysis II 4 st, Tu, Thu 8-10, ZS	W. Weigant
6546	Exercises thereto 2 st, n.V.	W. Weigant
6588	Selected topics of number theory 2 st, Tu 16-18, SR F	M. Welter

Diploma Level Studies : Seminars

6589	Seminar Partial Differential Equations 2 st, n.V.	H.W. Alt
6590	Seminar Differential geometry 2 st, Tu 16-18, SR C	W. Ballmann
6591	Seminar Topology 2 st, Tu 14-16, SR E	C.-F. Bödigheimer, E. Markert
6592	Exercises thereto 2 st, n.V.	E. Markert
6594	Seminar Special geometric structures and Super symmetry 2 st, We 16-18, SR D	Ch. Devchand
6595	Seminar Probability theory 2 st, n.V.	A. Eberle
6596	Seminar Applied Analysis 2 st, Thu 16-18, SR F	J. Frehse

6598	Seminar Scientific computing 2 st, n.V.	M. Griebel
6599	Blockseminar Scientific computig and numerical simulation 5 tägig, n.V.	M. Griebel, R. Krause, A. Kunoth
6600	Seminar Differential Geometry 2 st, Mo 16-18, SR E	U. Hamenstädt
6601	Seminar Morse theory 2 st, n.V.	B. Himpel
6602	Studentens seminar Algebraic geometry 2 st, Fr 12-14, SR A	D. Huybrechts
6603	Seminar Algebraic geometry 2 st, Thu 10.30 Uhr, Hörsaal MPI	D. Huybrechts
6604	Seminar Set Theory 2 st, Mo 16-18, SR A	P. Koepke, B. Irrgang
0061	Seminar Discrete optimization 2 st, Mo 14-16 or n.V., Institute for Discrete mathematics, Lennéstr. 2, Seminarraum	B. Korte, J. Vygen, U. Brenner
0063	VLSI-Seminar 2 st, We 12-14, Institute for Discrete mathematics, Lennéstr. 2, Konferenzraum	B. Korte, J. Vygen, U. Brenner
6605	Seminar Bone healing and tumor growth- Modeling and simulation of biological material and biomechanical processes 2 st, n.V.	R. Krause, K. Fackeldey
6606	Supervision for independent scientific work 2 st, n.V.	R. Krause
6607	Seminar Scientific computing IV 2 st, Mo 14-16, SR We6/610	A. Kunoth
6608	Seminar Global Analysis B 2 st, Thu 8-10, SR B	M. Lesch
6609	Exercises thereto 2 st, n.V.	M. Lesch, B. Himpel
6610	Seminar Atiyah-Singer theory II 2 st, Mo 14-16, SR A	M. Lesch, B. Himpel
6611	Block seminar General theory of mathematical sciences (several days)	B. Löwe, Th. Müller, B. Van Kerkhove
6612	Seminar on Algebra, Geometry and Physics 2 st, Tu 14 Uhr s.t., HS MPI	Y. Manin
6613	Seminar Globale Analysis A 2 st, Thu 14-16, SR C	W. Müller
6614	Seminar Stochastics 2 st, n.V.	N.N.
6615	Seminar Calculus of variation and partial differential equations 2 st, n.V.	F. Otto u.M.

6616	Seminar Algebra 2 st, Thu 14-16, SR B	M. Rapoport
6617	Seminar Multi-scale methods in form optimization 2 st, n.V.	M. Rumpf
6619	Seminar Stochastic models of insurance and financial markets 2 st, n.V.	M. Schäl
6548	Seminar Wavelets 2 st, n.V.	K. Scherer
6620	Seminar Representation theory 2 st, Tu 14-16, ZS	J. Schröer
6621	Seminar Topology IV 3 st, Tu 14-17, SR F	St. Schwede
6622	Seminar Stochastic analysis 2 st, n.V.	K.-T. Sturm

Upper Level Studies : Special Seminars

6623	Graduate seminar 2 st, n.V.	S. Albeverio
6624	Graduate seminar Partial differential equations 2 st, n.V.	H.W. Alt
6625	Diploma seminar 2 st, n.V.	W. Ballmann
6626	Graduate seminar Differential geometry 2 st, Thu 16-18, MPI	W. Ballmann, U. Hamenstädt
6627	Working seminar Differential geometry 2 st, Fr 14-16, SR C	W. Ballmann, U. Hamenstädt
6628	MPI-Seminar Topology 1 st, Mo 15-16, Hörsaal MPI	H.-J. Baues
6629	Diploma- and PhD seminar A 2 st, We 10-12, Meckenheimer Allee 160, R. 23	C.-F. Bödigheimer
6630	Diploma- and PhD seminar B 2 st, Fr 10-12, Meckenheimer Allee 160, R. 23	C.-F. Bödigheimer
6631	Graduate seminar Topology 2 st, Tu 17-19, SR E	C.-F. Bödigheimer, St. Schwede, Ch. Ausoni, G. Gaudens, E. Markert
6632	Diploma- and PhD seminar 2 st, n.V.	A. Eberle
6633	Graduate seminar Stochastics 4 st, Thu 16-20, SR We6/501	A. Eberle, M. Schäl, K.-T. Sturm, N.N.

6634	MPI-Graduate seminar 1 st, Thu 15 Uhr s.t., Hörsaal MPI	G. Faltings, D. Zagier
6635	Diploma seminar 2 st, n.V.	J. Franke
6636	Diploma seminar 2 st, n.V.	J. Frehse
6637	Diploma seminar 2 st, n.V.	H. Gottschalk
6638	Graduate seminar Selected topics in scientific computing 2 st, n.V.	M. Griebel
6639	Supervision for independent scientific work 2 st, n.V.	M. Griebel
6640	Diploman- and PhD seminar 2 st, n.V.	M. Griebel
6641	Diploma seminar 2 st, n.V.	U. Hamenstädt
6642	Dipoma seminar 2 st, n.V.	D. Huybrechts
6643	Graduate seminar Complex geometry 2 st, Tu 12-14, SR A	D. Huybrechts
6644	Working seminar Mathematical logic 2 st, Thu 14-16, SR A	B. Irrgang
6645	Graduate seminar Analysis and partial differential equations 2 st, Tu 14-16, SR B	H. Koch
6646	Video seminar 1 st, Bonn - Berkeley - Paris, n.V.	H. Koch
6647	Diploma seminar 2 st, Tu, 14-16, SR A	P. Koepke
6648	Graduate seminar Mathematical logic 2 st, Tu 16.00-18.30, SR A	P. Koepke, B. Irrgang
0062	Diploma- PhD seminar Discrete optimization 2 st, Mo 16-18, Institute for Discrete mathematics, Lennéstr. 2, conference room	B. Korte, J. Vygen, U. Brenner
0064	Graduate Seminar Discrete optimization 2 st, Mo 17-19, Institute für Diskrete Mathematik, Lennéstr. 2, Seminar room	B. Korte, J. Vygen, U. Brenner
6649	Mittagsseminar for PhD and Diplomas 2 st, Tu 12-14, SR We6/610	R. Krause, K. Fackeldey
6650	Diploma- and PhD seminar 2 st, n.V.	A. Kunoth
6651	Working seminar Mathematical methods in geodesic 2 st, n.V.	A. Kunoth
6652	Diploma- and PhD seminar 4 st, 8-12, SE A	M. Lesch

6653	Graduate seminar Global Analysis 2 st, Tu 14-16, SR D	M. Lesch, W. Müller, B. Himpel, A. Strohmaier
6654	PhD seminar 2 st, We 13-15, SR D	W. Müller
6655	Graduate seminar Stochastics 2 st, n.V.	N.N.
6656	Diploma- and PhD-seminar 2 st, n.V.	N.N.
6657	Diploman seminar 2 st, n.V.	F. Otto u.M.
6658	Graduate seminar Arithmetic geometry 2 st, Thu 16-18, SR B	M. Rapoport
6659	Working seminar Arithmetic Geometry 2 st, Tu 16-18, SR B	M. Rapoport
6660	Graduate seminar Numeric modeling 2 st, Thu 14.00, Nussallee 15, 2 OG., R.25	M. Rumpf
6661	Working seminar Variation methods of image processing 2 st, n.V.	M. Rumpf
6662	Diploma- and PhD seminar 1 st, n.V.	M. Schäl
6663	Graduate seminar Representation theory 2 st, Tu 16-18, ZS	J. Schröer
6664	Diploma seminar Representation theory 2 st, Fr 14-16, Kl.HS Math.	J. Schröer
6665	Dipoma- and PhD seminar 2 st, We 13-15, Berlingstr. 3, Raum 13	St. Schwede
6666	Diploma- and PhD seminar 2 st, n.V.	K.-T. Sturm

Diploma Level Studies : Practical Studies

6667	Numerical simulation in molecular dynamics 2 st, We 12-14 and 4 st, n.V., SR We6/610	M. Griebel
0066	Practical training (for computer scientists) (within informatic courses) Thema: VLSI-Design 4 st, n.V.	B. Korte, J. Vygen, U. Brenner
6668	Software practical mathematics methods in image processing 3 st, Termin n.V.	M. Rumpf

Hausdorff Center for Mathematics
Graduate Studies : Lecture/courses
— **Exzellenzcluster** —

Section Algebra and number theory

- 6563 Formal groups U. Görtz
4 st, Tu, Thu 8-10, SR A

Section Algebraic and arithmetic geometry

- 6559 Arithmetic geometry G. Faltings
4 st, We 10-12, Fr 14-16, SR E
- 6634 MPI-Graduate seminar G. Faltings,
1 st, Thu 15 Uhr s.t., lecture hall MPI D. Zagier
- 6603 Seminar Algebraic geometry D. Huybrechts
2 st, Thu 10.30 Uhr, lecture hall MPI
- 6643 Graduate seminar Complex geometry D. Huybrechts
2 st, Tu 12-14, SR A
- 6658 Graduate seminar Arithmetic geometry M. Rapoport
2 st, Thu 16-18, SR B
- 6659 Working seminar Arithmetic geometry M. Rapoport
2 st, Tu 16-18, SR B

Section Differential geometry

- 6625 Diploma seminar W. Ballmann
2 st, n.V.
- 6626 Graduate seminar Differential geometry W. Ballmann,
2 st, Thu 16-18, MPI U. Hamenstädt
- 6627 Working seminar Differential geometry W. Ballmann,
2 st, Fr 14-16, SR C U. Hamenstädt
- 6594 Seminar Special geometric structures Ch. Devchand
and super symmetrie
2 st, We 16-18, SR D

Section Discrete mathematics and complexity theory

- 0080 VLSI-Design U. Brenner
2 st, We 15-17, Gerhard-Konow-Lecture hall, Institute
for Discrete mathematics, Lennéstr. 2
- 6670 Seminar Algorithmic Game Theory M. Karpinski
and the Internet
2 st, n.V.
- 6671 Graduate seminar Randomized and approximative M. Karpinski
Algorithms (RAND)
3 st, Mo 10-11, SR N327, Fr 14-16, SR N328
- 6672 Diploma- and PhD seminar M. Karpinski
2 st, n.V.

- | | | |
|------|--|--------------------------------------|
| 0062 | Diploma-/PhD seminar Discrete optimization
2 st, Mo 16-18, bi-weekly, Institute
for Discrete mathematics, Lennéstr. 2, conference room | B. Korte,
J. Vygen,
U. Brenner |
| 0063 | VLSI-Seminar
2 st, We 12-14, Institute for Discrete mathematics,
Lennéstr. 2, conference room | B. Korte,
J. Vygen,
U. Brenner |

Section Global analysis

- | | | |
|------|--|--|
| 6574 | Atiyah-Singer index theory II
4 st, Tu, Thu 10-12, SR B | M. Lesch |
| 6608 | Seminar Global analysis B
2 st, Thu 8-10, SR B | M. Lesch |
| 6609 | Exercises thereto
2 st, n.V. | M. Lesch,
B. Himpel |
| 6610 | Seminar Atiyah-Singer theory II
2 st, Mo 14-16, SR A | M. Lesch,
B. Himpel |
| 6613 | Seminar Global analysis A
2 st, Thu 14-16, SR C | W. Müller |
| 6653 | Graduate seminar Global analysis
2 st, Tu 14-16, SR D | M. Lesch,
W. Müller,
B. Himpel,
A. Strohmaier |

Section Logic and set theory

- | | | |
|------|--|--|
| 6648 | Graduate seminar Mathematical logic
2 st, Thu 16.30-18.30, SR A | P. Koepke,
B. Irrgang |
| 6644 | Working seminar Mathematical logic
2 st, Tu 16-18, SR D | B. Irrgang |
| 6611 | Blockseminar General theory of mathematical sciences
(several days) | B. Löwe,
Th. Müller,
B. Van Kerkhove |

Section Mathematical models in the natural sciences

- | | | |
|------|--|--------------|
| 6685 | Reading class: Disordered systems
2 st, Mo 14 c.t., Pop. Allee 82 | A. Eberle |
| 6615 | Seminar Calculus of variation and partial
differential equations
2 st, n.V. | F. Otto u.M. |
| 6657 | Diploma seminar
2 st, n.V. | F. Otto u.M. |
| 6580 | Working seminar Variation methods of
image processing
4 st, Tu, Thu 10-12, Kl.HS Math. | M. Rumpf |
| 6581 | Exercises thereto
2 st, n.V. | M. Rumpf |
| 6617 | Seminar Multi-Scale methods in form optimization
2 st, n.V. | M. Rumpf |

- | | | |
|------|--|---------------|
| 6660 | Graduate seminar Numerical modeling
2 st, Thu 14.00, Nussallee 15, 2 OG., R.25 | M. Rumpf |
| 6661 | Working seminar Variation methods of
image processing
2 st, n.V. | M. Rumpf |
| 6564 | Statistical quantum mechanics - operator algebras
and Euclidean methods
2 st, n.V. | H. Gottschalk |
| 6597 | How does quantum field theory interact with
classical general relativity?
2 st, n.V. | H. Gottschalk |

Section Moduli spaces

(Max Planck Research School "Moduli Spaces" am MPI)

- | | | |
|------|--|--------------------|
| 6673 | Summer school of GRK
Moduli spaces and mapping class groups
Block seminar, Juni 2007 | C.-F. Bödigeheimer |
| 6674 | IMPRS-Seminar
2 st, n.V., Seminarraum MPI | C. Kaiser |
| 6675 | IMPRS-Minicourse
2 st, Thu 12-14, Hörsaal MPI | Professors of MPI |

Section Numerical analysis

- | | | |
|------|--|------------|
| 6639 | Diploma- and PhD seminar
2 st, n.V. | M. Griebel |
| 6580 | Variational calculus and statistics in
image processing
4 st, Tu, Thu 10-12, Kl.HS Math. | M. Rumpf |
| 6581 | Exercises thereto
2 st, n.V. | M. Rumpf |
| 6617 | Seminar Multi-Scale methods in form optimization
2 st, n.V. | M. Rumpf |
| 6660 | Graduate seminar Numerical modeling
2 st, Thu 14.00, Nussallee 15, 2 OG., R.25 | M. Rumpf |
| 6661 | Working seminar Variational methods of
image processing
2 st, n.V. | M. Rumpf |

Section Partial differential equations

- | | | |
|------|---|----------|
| 6550 | Partial differential equations II
4 st, We, Fr 10-12, ZS | H.W. Alt |
| 6551 | Exercises thereto
2 st, n.V. | H.W. Alt |
| 6589 | Seminar Partial differential equations
2 st, n.V. | H.W. Alt |
| 6624 | Graduate seminar Partial differential equations
2 st, n.V. | H.W. Alt |

6636	Diploma seminar 2 st, n.V.	J. Frehse
6645	Graduate seminar Analysis and partial differential equations 2 st, Tu 14-16, SR B	H. Koch
6646	Video seminar 1 st, Bonn - Berkeley - Paris, n.V.	H. Koch
6615	Seminar Calculus of variation and partial Differential equations 2 st, n.V.	F. Otto u.M.
6657	Diploma seminar 2 st, n.V.	F. Otto u.M.
6580	Variational calculus and statistics in image processing 4 st, Tu, Thu 10-12, Kl.HS Math.	M. Rumpf
6581	Exercises thereto 2 st, n.V.	M. Rumpf
6661	Working seminar Variation methods of image processing 2 st, n.V.	M. Rumpf

Section Probability and statistics

6685	Reading class: Disordered systems 2 st, Mo 14 c.t., Pop. Allee 82	A. Eberle
6632	Diploma- and PhD seminar 2 st, n.V.	A. Eberle
6633	Graduate seminar Stochastics 4 st, Thu 16-20, SR We6/501	A. Eberle, M. Schäl, K.-T. Sturm, N.N.
6564	Statistical quantum mechanics - operator algebras and Euclidean methods 2 st, n.V.	H. Gottschalk
6597	How does quantum field theory interact with classical general relativity? 2 st, n.V.	H. Gottschalk
6662	Diploma- and PhD seminar 1 st, n.V.	M. Schäl
6676	Bonn Stochastics Colloquium once per month, Thu 17 c.t., Kl.HS Math.	Lecturers in stochastics

Section Scientific computing

6572	Scientific computing IV 4 st, Mo, We 12-14, Kl.HS Math.	A. Kunothe
6573	Exercises thereto 2 st, n.V.	A. Kunothe
6607	Seminar Scientific computing IV 2 st, Mo 14-16, SR We6/610	A. Kunothe

- | | | |
|------|---|------------|
| 6638 | Graduate seminar Selected topics
in scientific computing
2 st, n.V. | M. Griebel |
| 6639 | Diploma- and PhD seminar
2 st, n.V. | M. Griebel |
| 6660 | Graduate seminar Numerical Modeling
2 st, Thu 14.00, Nussallee 15, 2 OG., R.25 | M. Rumpf |

Section Stochastic analysis

- | | | |
|------|---|---|
| 6632 | Diploma- and PhD seminar
2 st, n.V. | A. Eberle |
| 6633 | Graduate seminar on stochastics
4 st, Thu 16-20, SR We6/501 | A. Eberle,
M. Schäl,
K.-T. Sturm,
N.N. |
| 6586 | Stochastic analysis II
4 st, Mo, We 10-12, SR A | K-Th. Sturm |
| 6587 | Exercises thereto
2 st, n.V. | K-Th. Sturm |
| 6666 | Diploma- and PhD seminar
2 st, n.V. | K.-T. Sturm |
| 6676 | Bonn Stochastics Colloquium
once per month, Thu 17 c.t., Kl.HS Math. | The lecturers in
stochastics |
| 6577 | Applied stochastics
4 st, Tu, Thu 12-14, n.V. | N.N. |
| 6578 | Exercises thereto
2 st, n.V. | N.N. |

Section Topology

Graduiertenkolleg 1150 "Homotopie and Kohomologie"

- | | | |
|------|--|--|
| 6677 | PhD-lecture of GRK
Nilpotence in Homotopy Theory
2 st, Thu 12-14 (in Wuppertal) | E. Ossa (Wuppertal) |
| 6678 | PhD-seminar of GRK
2 st, Thu 15-17, 14-daily,
(in Wuppertal) | PhD students of the
GRK |
| 6679 | GRK-Research seminar
Bonn-Wuppertal-Düsseldorf-Bochum
4 st, Thu 15-18, 14-daily,
(in Wuppertal) | H.-J. Baues,
C.-F. Bödigheimer,
F. Grunewald
(Düsseldorf),
G. Laures (Bochum),
Kh. Knapp
(Wuppertal),
E. Ossa (Wuppertal),
St. Schwede,
W. Singhof (Düsseldorf) |

6631	Graduate seminar Topology 2 st, Di 17-19, SR E	Ch. Ausoni, C.-F. Bödigheimer, G. Gaudens, E. Markert S. Schwede
6552	Cohomology of groups 2 st, Mo 8-10, SR B	Ch. Ausoni
6553	Exercises thereto 2 st, n.V.	Ch. Ausoni
6680	Spring school of GRK Stable homotopy theory: classical calculations and modern structures 7.-11. Mai 2007 in Strasbourg	St. Schwede (Bonn), H.-W. Henn (Stras- bourg)

Colloquia

6681	Colloquium SFB 611 (SFB-Seminar)) Singular phenomena and Scaling in mathematical models 2 st, Tu 15:30-16:30 and 17:00-18:00, Kl.HS Math.	The Lecturers of the SFB 611
6682	Mathematical Colloquium 1 st, Fr 17-18, Kl.HS Math.	The Lecturers of Mathematics
6683	Colloquium for PhD Students 1 st, n.V.	PhD students in mathematics
6676	Bonn Stochastics Colloquium once for month, Thu 17 c.t., Kl.HS Math.	The lecturers in stochastics