

## Seminare im Wintersemester 2025/26 / Seminars in winter term 2025/26

### Hauptseminare im Bachelorstudiengang Mathematik

Modulcode / Module code	Modulname / module name	Untertitel / Subtitle	Dozierender / Lecturer	Tag und Uhrzeit / Day and time slot	Raum / room	Vorbereitungstermine / preliminary meeting
S2A1	Hauptseminar Algebra	Classical Algebraic Geometry	Dr. Mezzedimi	Mi 16-18	N0.007	22.07.25, 14:00, 0.011
S2A1	Hauptseminar Algebra	Cluster Algebras	Prof. Christ	Do 12-14	0.007	09.07.25, 14:15, via Zoom (please contact the lecturer by e-mail to christ@uni-bonn.de to receive the Zoom link)
S2A1	Hauptseminar Algebra	Additional topics in group and Galois theory	Dr. Marczinik	Mi 16-18	N0.003	22.07.25, 11:00, N0.003
S2A2	Hauptseminar Mathematische Logik	Continuous Logic	Dr. Zou	Mo 12-14	N0.003	04.07.25, 14-16, N0.008
S2A3	Hauptseminar Zahlentheorie	Delta method of Heath-Brown	Dr. Yamagishi	Mi 12-14	N0.007	28.07.25, 13:00, Zoom, <a href="https://istaustria.zoom.us/j/68528273892?pwd=HEcEwGEWZcXXbtjTuKEZxiKIFrOHb.1">https://istaustria.zoom.us/j/68528273892?pwd=HEcEwGEWZcXXbtjTuKEZxiKIFrOHb.1</a> Meeting ID: 685 2827 3892 Passcode: 352247
S2B1	Hauptseminar Funktionalanalysis	Fixpunktsätze und Abbildungsgrad	Prof. Koch	Do 12-14	1.007	18.07.25, 13:00, Großer Hörsaal
S2B2	Hauptseminar PDG	An introduction to geometric measure theory	Dr. Machill	Di 8-10	1.007	29.07.25, 9:00, 1.007
S2B3	Hauptseminar Globale Analysis	Elliptische Funktionen und Modulformen	Prof. Lesch	Mo 12-14	1.008	17.07.25, 14:30 Uhr, Treffpunkt vor dem Büro von Prof. Lesch (Raum 1.033)
S2C1	Hauptseminar Diskrete Optimierung	Approximations- algorithmen für das Rundreiseproblem	Prof. Held / Prof. Hougardy / Prof. Vygen / Prof. Végh / Dr. Brenner	Mo 14-16	Seminarraum Lennéstr. 2	15.07.25, 18:00 s.t., Gerhard-Konow-Hörsaal, Lennéstr.2
S2C2	Hauptseminar Algorithmen und Optimierung	Continuous Optimization	Prof. Végh			15.07.25, 18:00 s.t., Gerhard-Konow-Hörsaal, Lennéstr.2, <a href="http://www.or.uni-bonn.de/lectures/ws25/ws25.html">http://www.or.uni-bonn.de/lectures/ws25/ws25.html</a>
S2D1	Hauptseminar Geometrie		Prof. Côté	Do 10-12	N0.007	24.07.25, 17:00, 1.008
S2D4	Hauptseminar Homotopietheorie		Prof. Hausmann / Dr. Nigtevecht	Mo 12-14	N0.007	15.07.25, 10:15 Uhr, N0.007
S2E2	Hauptseminar Wissenschaftliches Rechnen		Prof. Gantner	Mo 14-16	Friedrich- Hirzebruch-Allee 7, Raum 2.035	15.07.25, 14:00(c.t.)-16:00, Friedrich-Hirzebruch- Allee 7, Room 2.041
S2F2	Hauptseminar Stochastische Prozesse und Stochastische Analysis	Wahrscheinlichkeits- theorie auf Graphen	Prof. Ferrari	Do 14-16	N0.007	09.07.25, 13:00, 0.006

## Seminare im Lehramts-Masterstudiengang

Modulcode / Module code	Modulname / module name	Untertitel / Subtitle	Dozierender / Lecturer	Tag und Uhrzeit / Day and time slot	Raum / room	Vorbereitungstermine / preliminary meeting
	Begleitseminar zum Praxissemester		Dr. Riemer / Prof. Kaenders	Do 10-12	N0.003	
	Begleitseminar zum Praxissemester		Dr. Riemer / Hr. Görg	Do 14-16	N0.003	
	Begleitseminar zum Praxissemester		Hr. Görg / Dr. Riemer	Do 16-18	N0.003	

## Graduate Seminars in the Master's study program Mathematics

Modulcode / Module code	Modulname / module name	Untertitel / Subtitle	Dozierender / Lecturer	Tag und Uhrzeit / Day and time slot	Raum / room	Vorbereitungstermine / preliminary meeting
S4A2	Graduate Seminar on Representation Theory	Representations of SL2	Dr. Flake	Mi 14-16	N0.007	14.07.25, 12 Uhr, 1.007
S4A2	Graduate Seminar on Representation Theory	Additional topics in group and Galois theory	Dr. Marczinik	Mi 16-18	N0.003	22.07.25, 11:00, N0.003
S4A3	Graduate Seminar on Advanced Algebra	Cluster Algebras	Prof. Christ	Do 12-14	0.007	09.07.25, 14:15, via Zoom (please contact the lecturer by e-mail to christ@uni-bonn.de to receive the Zoom link)
S4A5	Graduate Seminar on Advanced Number Theory	The refined Arthur-Langlands conjectures	Prof. Kaletha	Do 14-16	0.007	10.07.25, 10:00, Kleiner Hörsaal
S4A5	Graduate Seminar on Advanced Number Theory	Delta method of Heath-Brown	Dr. Yamagishi	Mi 12-14	N0.007	28.07.25, 13:00, Zoom, <a href="https://istaustria.zoom.us/j/68528273892?pwd=HEcEwGEWZcXXbtjTuKEZxiKIFrOHb.1">https://istaustria.zoom.us/j/68528273892?pwd=HEcEwGEWZcXXbtjTuKEZxiKIFrOHb.1</a> Meeting ID: 685 2827 3892 Passcode: 352247
S4B1	Graduate Seminar on Analysis		Dr. Franco	Mi 10-12	1.007	
S4B3	Graduate Seminar on Global Analysis	K-theory of C*-algebras	Dr. van den Dungen	Mi 12-14	N0.003	10.07.25, 10:15, 0.007
S5B1	Graduate Seminar on Advanced Topics in PDE		Prof. Koch	Fr 14-16	0.011	
S5B2	Graduate Seminar on PDE in the Sciences		Prof. Niethammer / Prof. Velazquez	Fr 14-16	2.040	
S5B3	Graduate Seminar on New Developments in PDE	Selected Topics in Inverse Problems and the Calculus of Variations	Prof. Růland	Fr 14-16	N0.003	06.10.25, 9:00, N0.003
S5B5	Graduate Seminar on Advanced Topics in Functional Analysis and Operator Theory	Random Operators and Resonances	Dr. Karabash	Di 10-12	N0.008	09.07.25, 14:15, N0.008
S4C1	Graduate Seminar on Discrete Optimization	Approximation Algorithms for Shape Matching	Prof. Driemel			
S4C3	Graduate Seminar on Algorithms and Optimization	Discrepancy Theory	Prof. Vég			17.07.25, 18:00 s.t., Gerhard-Konow-Hörsaal, Lennéstr. 2, <a href="http://www.or.uni-bonn.de/lectures/ws25/ws25.html">http://www.or.uni-bonn.de/lectures/ws25/ws25.html</a>

Modulcode / Module code	Modulname / module name	Untertitel / Subtitle	Dozierender / Lecturer	Tag und Uhrzeit / Day and time slot	Raum / room	Vorbereitungstermine / preliminary meeting
S4D1	Graduate Seminar on Differential Geometry		Prof. Hamenstädt	Di 16-18	1.008	15.07.25, 16.15, 1.008
S4D2	Graduate Seminar on Topology	Differential Topology	Prof. Lück / Hr. Kremer	Di 14-16	N0.003	15.07.25, 11:00, Lipschitzsaal
S4D3	Graduate Seminar on Advanced Geometry		Dr. Douba			22.07.25, 14:00, 0.006
S4D4	Graduate Seminar on Advanced Topology		Prof. Schwede / Dr. Lenz	Di 14-16	N0.007	15.07.25, 11:00, Lipschitzsaal
S4E1	Graduate Seminar on Scientific Computing	Adaptive Finite Element Methods	Prof. Gedicke	Di 14-16	Friedrich-Hirzebruch-Allee 7, Raum 2.041	14.07.25, 14 (c.t.) - 16 Uhr, Friedrich-Hirzebruch-Allee 7, Raum 2.041
S4E2	Graduate Seminar on Numerical Simulation	Efficient numerical solution of PDE-constrained optimization problems	Prof. Neitzel	Do 10-12	Friedrich-Hirzebruch-Allee 7, Raum 2.041	17.07.25, 11:30, Friedrich-Hirzebruch-Allee 7, Raum 2.041
S5E1	Graduate Seminar on Numerical Analysis		Prof. Griebel			
S5E2	Graduate Seminar on Efficient Simulation	Numerical methods in quantum computing	Prof. Dölz			17.07.25, 10:15, Anmeldung per Mail an den Dozierenden
S4F3	Graduate Seminar on Applied Probability	Stochastic Models in Evolution	Prof. Bovier	Di 14-16	N0.008	08.07.25, 16:00, 4.050
S4F5	Graduate Seminar on Interacting Random Systems	Gaussian Free Field and Liouville Quantum Gravity	Prof. Sturm	Di 14-16	0.007	14.07.25, 12:30-13:30, 0.006
S4F5	Graduate Seminar on Interacting Random Systems	Probabilistic Combinatorics	Prof. Sauerermann	Fr 12-14	N0.003	21.07.25, 10:30, N0.003
S4F6	Graduate Seminar on Stochastic Processes	Random interlacements	Dr. Prévost	Mo 14-16	N0.007	08.07.25, 14:00, N0.008
S4F6	Graduate Seminar on Stochastic Processes	Malliavin Calculus and mean-field limits	Prof. Eberle	Fr 14-16	N0.007	15.07.25, 9:30, Kleiner Hörsaal
S4F7	Graduate Seminar on Mathematical Biology and Data Science	Efficient numerical methods for uncertainty quantification	Prof. Effland	Mi 10-12	N0.003	08.07.25, 9:15, 2.040
S4F7	Graduate Seminar on Mathematical Biology and Data Science	Mathematical models for pathogen-specific epidemic threats	Dr. Kühn	Di 14-16	1.007	22.07.25, 12:30-14:00, 2.040
S4F7	Graduate Seminar on Mathematical Biology and Data Science	Advanced Methods for Parameter Inference	Prof. Hasenauer	Di 16-18	0.011	Jul 21, 2025 04:00-05:00 PM <a href="https://uni-bonn.zoom-x.de/j/68530869534?pwd=CTPSMF9n5l29AXJQsa1OdEtLbdsepQ.1">https://uni-bonn.zoom-x.de/j/68530869534?</a> pwd=CTPSMF9n5l29AXJQsa1OdEtLbdsepQ.1 Meeting ID: 685 3086 9534 Passcode: 313065