

List of Supervisors and Research Fields

As of November 1, 2025

Master's Course

Department of Mathematics, Graduate School of Science

Fields	Supervisors		Keywords	Remarks
Algebra	Professor	ASAKURA Masanori	Arithmetic geometry	
	Professor	SHIBUKAWA Youichi	Yang-Baxter equations and quantum groups	
	Professor	YASUDA Seidai	Number theory, arithmetic geometry	
	Specially Appointed Professor	SAITO Mutsumi	Algebraic analysis, rings of differential operators	<small>Scheduled to retire in March, 2026.</small>
	Specially Appointed Professor	MATSUMOTO Keiji	Special functions	<small>Scheduled to retire in March, 2027.</small>
	Associate Professor	OUCHI Genki	Algebraic geometry, derived category of coherent sheaves, moduli space	
	Associate Professor	CAI, Yuanqing	Number theory, representation theory, automorphic L-functions, automorphic representations, covering groups	
	Associate Professor	SCRIMSHAW, Travis	Combinatorics, representation theory, schubert calculus	
	Associate Professor	MATSUSHITA Daisuke	Algebraic geometry	
Geometry	Professor	AKITA Toshiyuki	Algebraic topology, group cohomology, quandle	
	Professor	INOUCHI Junichi	Geometry, integrable systems, Lie group, homogeneous spaces	
	Professor	KOBAYASHI Shimpei	Differential geometry, integrable systems	
	Professor	FURUHATA Hitoshi	Differential geometry	
	Associate Professor	KASUYA Naohiko	Differential topology, contact structures, complex structures	
	Associate Professor	KAWASAKI Morimichi	Symplectic geometry, geometric group theory, differential topology	
	Assistant Professor	KANDA Yutaka	Differential topology	
	Assistant Professor	SUGAWARA Sakumi	Low-dimensional topology, hyperplane arrangement	
Analysis	Professor	KUBO Hideo	Partial differential equations associated with nonlinear dynamics	
	Professor	KOBAYASHI Masaharu	Harmonic Analysis	
	Professor	HONDA Naofumi	Algebraic analysis	
	Professor	MIYAO Tadahiro	Mathematical physics, functional analysis, condensed matter physics	
	Specially Appointed Professor	HORA Akihito	Functional analysis, probability theory	<small>Scheduled to retire in March, 2027.</small>
	Associate Professor	UMETA Yoko	Exact WKB analysis, asymptotic analysis, higher order Painlevé equations, stokes geometry	
	Associate Professor	SUZUKI Yuhei	Operator algebras	
	Associate Professor	HASEBE Takahiro	Probability theory, functional analysis	
	Associate Professor	HAMAMUKI Nao	Nonlinear partial differential equations, theory of viscosity solutions	
Assistant Professor	SATO Ryosuke	Probability theory, Operator algebras		
Applied Mathematics	Professor	SAKAI Akira	Probability theory, statistical mechanics, mathematical physics	
	Professor	NAGAYAMA Masaharu	Reaction-diffusion systems, mathematical modeling, numerical simulation	
	Professor	NAMIKI Takao	Ergodic theory, dynamical systems, complex systems	
	Professor	MASAKI Satoshi	Partial differential equations, harmonic analysis, variational analysis	
	Associate Professor	UEDA Yuki	Partial differential equations, numerical analysis	
	Associate Professor	KURODA Hirotohi	Partial differential equations, variational analysis	
	Associate Professor	SATO Yuzuru	Complex systems, chaotic dynamical systems	
	Associate Professor	TASAKI Sohei	Mathematical life sciences, microbiology	
	Associate Professor	TABATA Koji	Online learning, data science, theory of computation	
	Associate Professor	NAKANO Yushi	Dynamical systems, ergodic theory, chaos	
	Assistant Professor	ISHII Hiroshi	Partial differential equations, reaction-diffusion systems, nonlocal effect	
	Assistant Professor	KITA Kosuke	Evolution equations, partial differential equations, nonlinear semigroups	
Assistant Professor	FUKUSHIMA KIMURA, Bruno Hideki	Probability theory, statistical mechanics, mathematical physics		

※There is a possibility that the members of supervisors change. Please get the latest information from the website of the Graduate School of Science.

Department of Natural History Sciences, Graduate School of Science

As of November 1, 2025

Research Fields	Research Groups & Laboratories	Supervisors		Keywords	Remarks
Science Communication	Communication of Science and Technology	Associate Professor	KAWAMOTO Shishin	science and technology studies, communication in science and technology, transdisciplinary, dual-use	Advancement of Recurrent Education Division
	Philosophy of Science and Technology	Professor	MATSUOU Masahiro	Philosophy of science, ethics of science and technology, philosophy of risk, statistical inference of cause	
	Educational Design	Associate Professor	IWAMA Norikazu	Psychological Statistics, Educational Measurement, Test Theory, Educational Technology, Instructional Design, Self-regulated Learning	Institute for the Advancement of Higher Education
		Associate Professor	OKUMOTO Motoko		Institute for the Advancement of Graduate Education
		Associate Professor	ISHIKAWA Naoko		Institute for the Advancement of Higher Education
	Communication Media	Professor	SHIGETA Katsusuke	Communication Media, Educational Technology, Information and Communication Technology, Learning Effectiveness, e-learning, Hybrid Learning, Educational Practice Research.	Information Initiative Center, Hokkaido University
		Associate Professor	SUGIURA Mayumi		Institute for the Advancement of Graduate Education
		Associate Professor	YAMAMOTO Kenichi		Institute for the Advancement of Graduate Education
		Associate Professor	FUJIOKA Kazuya		Institute for the Advancement of Graduate Education

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