

### The List of Professors Available for International Students

Please make use of this list (data as of April 1, 2016) to find your potential academic advisor. Further information such as the titles of his/her classes and contact address are available from "Academic Research Staff" <http://er-web.jmk.ynu.ac.jp/index-e.jsp>. If you cannot find his/her contact address from the site, please contact the appropriate graduate school.

#### 【Graduate School of Environment and Information Sciences】

<http://www.eis.ynu.ac.jp/english/index.html>

Contact: [kankyojoho@ynu.ac.jp](mailto:kankyojoho@ynu.ac.jp)

#### Department of Environment and Natural Sciences (Earth and Ecology Course)

For Master's Program, students are required to have Japanese language skills sufficient to pass JLPT N2 Level within 6 months or a year after entrance since certain numbers of courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	ISHIKAWA Masahiro	Geodynamics, Tectonics, Geology	Japanese or English	✓	✓	✓	
Professor	KIKUCHI Tomohiko	Biological Oceanography, Marine Planktology, Marine Biodiversity, Coastal Environments, Systematics	Japanese or English	✓	✓	✓	
Associate Prof.	MORI Akira	Forest Ecology, Forest Ecosystem Management	Japanese or English	✓	✓	✓	
Associate Prof.	NAKAMORI Taizo	Soil Zoology, Mycology, Soil Ecotoxicology	Japanese or English	✓	✓	✓	
Associate Prof.	SAKAI Akiko	Plant Ecology, Forest Science, Life History Strategy, Environmental Conservation	Japanese or English	✓	✓	✓	
Associate Prof.	SASAKI Takehiro	Community and Landscape Ecology, Grassland Ecology, Agricultural Ecology, Biodiversity conservation and application	Japanese or English	✓	✓	✓	
Associate Prof.	SHIMODE Shinji	Biological Oceanography, Ecology of marine plankton and meiobenthos	Japanese or English	✓	✓	✓	
Associate Prof.	WANI Ryoji	Paleontology, Paleoecology, Geology	Japanese or English	✓	✓	✓	
Associate Prof.	YAMAMOTO Shinji	Geology, Petrology, Geochemistry, Earth history, Earth system science	Japanese or English	✓	✓	✓	

#### Department of Environment and Natural Sciences (Life Sciences Course)

For Master's Program, students are required to have Japanese language skills sufficient to pass JLPT N2 Level within 6 months or a year after entrance since certain numbers of courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	AMEMIYA Takashi	Nonlinear Sciences, Cell-to-Cell Communication, Glycolytic Oscillations, Complex Systems	Japanese or English	✓	✓	✓	
Professor	HIRATSUKA Kazuyuki	Molecular and Cellular Biology, Gene Expression, Plant Pathology, Plant Physiology, Plant Biotechnology	Japanese or English	✓	✓	✓	
Professor	MATSUMOTO Shinya	Functional Dye Chemistry, Chemistry of Organic Molecular Crystals	Japanese or English	✓	✓	✓	
Professor	OHTANI Hiroyuki	Organic Chemistry	Japanese or English	✓	✓	✓	
Associate Prof.	HONDA Kiyoshi	Organic Chemistry of Biosystems, Synthesis of Bioactive Compounds, Vitamins and Hormones, Synthetic Organic Chemistry, Synthesis of Functional Compounds, Green Chemistry	Japanese or English	✓	✓	✓	
Associate Prof.	NAKAMURA Tatsuo	Plant Metabolic Biology, Plant Breeding for Nutritional Quality, Plant-Environment Interaction, Biochemistry, Molecular Biology	Japanese or English	✓	✓	✓	
Associate Prof.	OGATA Shinichi	Plant Biotechnology, Plant Molecular Genetics, Plant Chromosome Engineering, Meiosis in Plants	Japanese or English	✓	✓	✓	

**Department of Environment and System Sciences (Materials System Course)**

For Master's Program, students are, in principle, required to have Japanese language skills higher than or equivalent to JLPT N2 Level, but asked to consult their potential advisors for details.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	ATOBE Mahito	Organic Electrochemistry, Electrochemical Synthesis, Electrochemical Polymerization	Japanese or English	✓	✓	✓	
Professor	SUZUKI Atsushi	Chemical Physics, Smart Polymer Gels, Ecomaterials Design	Japanese or English	✓	✓	✓	
Professor	TATAMI Junichi	Ceramics, Material Science, Nano-Materials, Porous Material, Fracture Mechanics	Japanese or English	✓	✓	✓	
Associate Prof.	ARAMAKI Kenji	Colloid and Interfacial Science, Soft Matters based on Molecular Assemblies	Japanese or English	✓	✓	✓	
Associate Prof.	ITO Akihiko	Synthesis of Ceramics, Chemical Vapor Deposition, Physical Vapor Deposition, Laser Processing	Japanese or English	✓	✓	✓	
Associate Prof.	TANAKA Yoshimi	Soft matter physics, Biomechanics	Japanese or English	✓	✓	✓	
Lecturer	IJIMA Motoyuki	Particle Technology, Materials Synthesis and Processing, Surface Modification, Colloids and Dispersion, Composites	Japanese or English	✓	✓	✓	

**Department of Environment and System Sciences (System Design Course)**

For Master's Program, students are, in principle, required to have Japanese language skills higher than or equivalent to JLPT N2 Level, but asked to consult their potential advisors for details.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	MORISHITA Shin	Vibration Control, Intelligent Materials, Neural Network, Complex Systems, Biomechanics	Japanese or English	✓	✓	✓	
Professor	NAKANO Ken	Tribology, Rheology, Surface Science, Dynamics, Acoustics	Japanese or English	✓	✓	✓	
Professor	UENO Seiya	Optimal Control of Flight Path, Attitude Control of Space Satellites, Vibration Control of Space Structures	Japanese or English	✓	✓	✓	
Professor	YAMADA Takahiro	Computational Mechanics, Finite Element Method, Numerical Analysis	Japanese or English	✓	✓	✓	
Associate Prof.	HIGUCHI Takehiro	Attitude Control of Space Structures, Navigation Guidance and Control of Aircrafts, Optimal Control, Aerospace System Design	Japanese or English	✓	✓	✓	
Associate Prof.	MATSUI Kazumi	Computational Mechanics, Multi-scale Analysis, Finite Element Method	Japanese or English	✓	✓	✓	
Associate Prof.	MURAI Motohiko	Design of Ocean Structures, Hydroelastic Responses of Huge Floating Structures, Hydrodynamics, Ocean Environmental Engineering, Ocean energy	Japanese or English	✓	✓	✓	
Associate Prof.	SHIRAIISHI Toshihiko	Mechanical Dynamics, Biomechanics, Intelligent Structures and Materials, Neural Network, Complex Systems	Japanese or English	✓	✓	✓	

**Department of Information Media and Environment Sciences (Information Media Course)**

For Master's Program, students are required to have Japanese language skills sufficient to pass JLPT N2 Level within 6 months or a year after entrance since certain numbers of courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	MATSUMOTO Tsutomu	Information and Physical Security, Cryptography, Biometrics, Artifact-metrics, Tamper-Resistance, System and Network Security	Japanese or English	✓	✓	✓	
Professor	MORI Tatsunori	Digital Document Processing, Information Retrieval, Information Extraction, Natural Language Processing, Natural Language Interface	Japanese or English	✓	✓	✓	
Professor	NAGAO Tomoharu	Intelligent Information Processing, Image Processing, Evolutionary Computation, Vision, Neural Networks, Evolutionary Economics, Robotics, Medical Engineering	Japanese or English	✓	✓		
Professor	OKAJIMA Katsunori	Human Vision and Image Processing, Brain & Cognitive Science, Multi-modal Engineering, Virtual Reality, Welfare System	Japanese or English	✓	✓	✓	
Professor	SHIKATA Junji	Cryptography, Computational Number Theory, Theoretical Computer Science, Application of Information Theory and Coding Theory, Mathematical Algorithms	Japanese or English	✓	✓	✓	
Professor	TAMURA Naoyoshi	Natural Language Processing, Knowledge Processing	Japanese or English	✓	✓	✓	
Associate Prof.	FUJII Tomohiro	Theoretical Linguistics, Syntactic Theory, Language Acquisition	Japanese or English	✓	✓	✓	
Associate Prof.	MARTIN, Roger	Theoretical Linguistics, Syntactic Theory, Language and Cognition	English or Japanese	✓	✓	✓	
Associate Prof.	TOMII Takashi	Data Engineering, Multimedia Database, Advanced Database Application	Japanese and English	✓	✓	✓	
Associate Prof.	YOSHIOKA Katsunari	Information System Security, Network Security	Japanese or English	✓	✓	✓	
Lecturer	SHIRAKAWA Shinichi	Intelligent Information Processing, Artificial Intelligence, Evolutionary Computation, Machine Learning, Image Processing and Recognition	Japanese or English	✓	✓	✓	

**Department of Information Media and Environment Sciences (Environmental Mathematical Analysis Course)**

For Master's Program, students are required to have Japanese language skills sufficient to pass JLPT N2 Level within 6 months or a year after entrance since certain numbers of courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	ARIMITSU Naoko	Numerical Analysis, Turbulence, Complex system	Japanese or English			✓	
Professor	NAKAMOTO Atsuhiko	Discrete Mathematics, Topological Graph Theory, Computational Geometry	Japanese and English	✓	✓	✓	
Professor	NEGAMI Seiya	Topological Graph Theory, Low-Dimensional Topology, Discrete Mathematics	Japanese or English	✓	✓	✓	
Professor	NISHIMURA Takashi	Singularity Theory, Bifurcation Theory	Japanese or English	✓	✓	✓	
Professor	NOMA Atsushi	Algebraic Geometry, Projective Geometry, Vector Bundle, Homogeneous Coordinate Ring	Japanese or English	✓	✓	✓	
Professor	NUKATA Junji	Informatization of Education and so on	Japanese		✓	✓	
Associate Prof.	HARASHITA Shushi	Algebra, Algebraic geometry, Arithmetic geometry	Japanese or English	✓	✓	✓	
Associate Prof.	SHIRAZAKI Minoru	Computational Fluid Dynamics, Computational Mechanics	Japanese or English	✓	✓	✓	
Lecturer	USHIKOSHI Erika	Partial Differential Equations	Japanese or English	✓	✓	✓	

**Department of Innovation Management and Environmental Sciences**

For Master's Program, students are required to have Japanese language skills higher than or equivalent to JLPT N2 Level since most of the courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	ANDO Takatoshi	Social Gerontology, Psychology of Aging, Human-Animal Bond Studies	Japanese	✓	✓	✓	
Professor	HONDO Hiroki	Technology Assessment, System Analysis, Life Cycle Assessment	Japanese	✓	✓	✓	
Professor	SHIDA Kiyoshi	Theoretical Sociology, Mathematical Sociology, Social Choice Theory, History of Wedding Ceremonies in Modern Japan	Japanese	✓	✓	✓	
Professor	SHUSA Yoshikazu	Globalization of Firms, Technology Transfer	Japanese and English	✓	✓	✓	
Professor	TAKEDA Yoko	Impact of Information Technology on Organization and Corporate Strategy	Japanese and English	✓	✓	✓	
Professor	YASUMOTO Masanori	Product Development Management, Organization Theory, Globalization of Innovation Management, Transformation of Interfirm Relationships in Manufacturing Industries	Japanese and English	✓	✓	✓	
Associate Prof.	HASEBE Eiichi	History of Chinese Science, Chinese Traditional Medicine, Chinese Astronomy	Japanese	✓	✓	✓	
Associate Prof.	NARUMI Daisuke	Metaboloc Systems of Urban Energy, Sustainable Urban and Architectural Design, Energy Innovations, Transition Management of High Technology, Urban Heat Island	Japanese and English	✓	✓	✓	

**Department of Risk Management and Environmental Sciences (Life and Environment Management Course)**

For Master's Program, students are required to have Japanese language skills sufficient to pass JLPT N2 Level within 6 months or a year after entrance since certain numbers of courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	KANEKO Nobuhiro	Soil Ecosystem, Soil Biological Community, Nutrient Cycling, Biodiversity, Soil Ecotoxicology	English or Japanese	✓	✓	✓	
Professor	KOIKE Fumito	Biological Invasion, Weed Risk Assessment, Community Assembly, Landscape Ecology	Japanese or English	✓	✓	✓	
Professor	MASUNAGA Shigeki	Monitoring, Fate Analysis and Modeling of Environmental Pollutants, Environmental Forensics, Risk Assessment and Management of Persistent Organic Pollutants (POPs) and Emerging Pollutants	Japanese or English			✓	
Professor	MATSUDA Hiroyuki	Environmental Ecology, Environmental Risk Management, Evolutionary Ecology, Wildlife Management, Fisheries Management	Japanese or English	✓	✓	✓	
Professor	NAKAI Satoshi	Environmental Epidemiology, Environmental Health Risk Management, Exposure Assessment, Atmospheric Environment, Indoor Environment	Japanese or English	✓	✓	✓	
Professor	OIKAWA Hiroki	Environmental Law, Public Policy (Environmental Policy), Public Law (Administrative Law)	English or Japanese	✓	✓		
Professor	OYA Masaru	Detergent, Detergency, Aquatic Toxicity, Consumer Information, Environmental Information	Japanese or English	✓	✓	✓	
Associate Prof.	KAMEYA Takashi	Environmental Safety Management, Chemical Management, Environmental Resources Management	Japanese or English	✓	✓	✓	

**Department of Risk Management and Environmental Sciences (Safety Management Course)**

For Master's Program, students are required to have Japanese language skills sufficient to pass JLPT N2 Level within 6 months or a year after entrance since certain numbers of courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	MIYAKE Atsumi	Safety Engineering, Explosion and Detonation, Physical Risk Analysis of Chemical Processes, Risk Management of Technological Systems	Japanese or English	✓	✓	✓	
Professor	NOGUCHI Kazuhiko	Risk Management System, Crisis Management, Safety Engineering, Approach Method for Risk-oriented Society	Japanese or English	✓	✓	✓	
Professor	OHTANI Hideo	Safety Management of Chemical Plants, Fire Dynamics, Hazard Analysis of Chemical Substances	Japanese or English	✓	✓	✓	
Associate Prof.	KASAI Naoya	Non-destructive Testing, Finite Element Simulation, Risk Based Inspection, Statistical Analysis for Industrial Accident Occurrences	Japanese or English	✓	✓	✓	
Associate Prof.	KOBAYASHI Takeshi	Environmental Safety Engineering, Risk Information for Chemicals, Soil and Air Pollution	Japanese and English	✓	✓	✓	
Associate Prof.	KUMASAKI Mieko	Safety Engineering, Accelerated Chemical Reaction Prevention, Risk Management of Technological Systems, Safety Culture	Japanese or English	✓	✓	✓	
Associate Prof.	OKA Yasushi	Fire Physics and Modeling, Fire Detection, Health Administration for Firefighters	Japanese and English	✓	✓		
Associate Prof.	MATSUMIYA Masahiko	Rare Earth Recycling, Electrochemical Process	Japanese or English	✓	✓	✓	
Associate Prof.	SHIBUTANI Tadahiro	Reliability of Mechanical Systems, Prognostic Health Management, Physics of Failure, Strength of Materials	Japanese or English	✓	✓	✓	