

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 Engineering】
<http://gakufu.eng.ynu.ac.jp/english/>

Contact: ses.daigakuin-eng@ynu.ac.jp

Department of Materials Science and Engineering (Advanced Materials Chemistry)

For Master's Program, most courses are conducted in English. Students are still required to have Japanese language skills equivalent to JLPT N2 Level since some courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	ASAMI Masatoshi	Organic Synthesis, Asymmetric Reactions, Chiral Catalysts, Biological Active Substances	Japanese or English		*✓	✓	*only PED program is available
Professor	DOKKO Kaoru	Electrochemistry, Inorganic Material	Japanese or English	✓	✓	✓	
Professor	KOBAYASHI Kensei	Bioanalytical Chemistry, Chemical Evolution and Origins of Life, Astrobiology	Japanese or English	✓	✓	✓	
Professor	KOJIMA Chojiro	Structural Biology, Structural Chemistry, Biological Chemistry, Chemical Biology, NMR	Japanese or English	✓	✓	✓	
Professor	KUBOTA Yoshihiro	Catalytic Chemistry, Zeolite Science, Environmentally Benign Synthesis of Fine Chemicals	Japanese or English	✓	✓	✓	
Professor	OYAMA Toshiyuki	Polymer Chemistry, Functional Polymers, Photosensitive Polymers, Thermosetting resins	Japanese or English	✓	✓	✓	
Professor	SAKAKIBARA Kazuhisa	Physical Organic Chemistry, Molecular Design	Japanese or English		*✓	✓	*only PED program is available
Professor	SUZUKI Kazuya	Solid State Chemistry, Low Dimensional Conductor, Low Dimensional Magnet, Low Temperature Physics	Japanese or English	✓	✓	✓	
Professor	UEDA Kazuyoshi	Computational Chemistry, Bioinformatics, Carbohydrates and Nano materials	Japanese or English	*✓	✓	✓	*He will not accept any students in 2019 April or later.
Professor	WATANABE Masayoshi	Electrochemistry, Polymer Chemistry, Ionic Liquids, Electroactive Polymers, Clean Energy Devices	Japanese or English	✓	✓	✓	
Professor	YAMAGUCHI Yoshitaka	Coordination Chemistry, Organometallic Chemistry, Molecular Catalysts	Japanese or English	✓	✓		
Professor	YOKOYAMA Yasushi	Organic Photochemistry, Photochromism, Organic Functional Materials	Japanese or English		*✓	✓	*only PED program is available
Associate Prof.	GOTO Hiroaki	Organic Synthesis, Physical Organic Chemistry, Molecular Design	Japanese or English	✓	✓	✓	
Associate Prof.	INAGAKI Satoshi	Catalytic Chemistry, Zeolite Science, Environmentally Benign Synthesis of Fine Chemicals	Japanese or English	✓	✓	✓	
Associate Prof.	KAWAMURA Izuru	Structural Biology, Biophysical Chemistry	Japanese or English	✓	✓	✓	
Associate Prof.	KEBUKAWA Yoko	Cosmochemistry, Analytical Chemistry, Astrobiology	Japanese or English	✓	✓	✓	
Associate Prof.	KIKUCHI Azusa	Photophysics and Photochemistry, Photochromism, Organic UV Absorber	Japanese or English	✓	✓	✓	
Associate Prof.	MINATO Makoto	Organometallic Chemistry, Organic Synthesis	Japanese or English	✓	✓	✓	
Associate Prof.	SATO Kota	Quantum Chemistry, Plasma Chemistry, Surface Science	Japanese or English	✓	✓	✓	
Associate Prof.	SEKI Kanekazu	Chemical Kinetics and Dynamics, Laser-Photochemistry, Atmospheric Chemistry	Japanese or English	✓	✓	✓	
Associate Prof.	UBUKATA Takashi	Photo Functional Chemistry, Photochromism	Japanese or English	✓	✓	✓	
Lecturer	SAKOMURA Masaru	Physical Chemistry, Surface Science	Japanese or English	✓	✓	✓	

Department of Materials Science and Engineering (Chemical and Energy Engineering)

For Master's Program, most courses are conducted in English. Students are still required to have Japanese language skills equivalent to JLPT N2 Level since some courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	HABUKA Hitoshi	Chemical Engineering, Applied Physics, Semiconductor Materials, Transport Phenomena, Chemical Reaction, Numerical Simulation	Japanese or English	✓	✓	✓	
Professor	ITAGAKI Hiroshi	Toxicology, Immunotoxicology, Cellular Toxicology, Toxicological Biochemistry	Japanese or English	*✓	✓	✓	*He will not accept any students in 2019 April or later.
Professor	KAMINOYAMA Meguru	Rheology and Flow Fluids, Mixing and Agitation, Numerical Analysis, Tomography	Japanese or English	✓	✓	✓	
Professor	KOIZUMI Jun-ichi	Biosystem Engineering, Bio-process Engineering	Japanese or English				He will not accept any students in 2016 April or later.
Professor	KURIHARA Yasuyuki	Molecular Biology, Mouse Genetics, Germ Cell Biology	Japanese or English	✓	✓	✓	
Professor	MITSUBISHI Shigenori	Applied Electrochemistry	Japanese or English	✓	✓	✓	
Professor	OKAZAKI Shinji	Sensor Engineering, Corrosion Engineering, Continuing Engineering Education	Japanese		✓	✓	
Professor	OKUYAMA Kunito	Heat Transfer with Phase-change, Thermal Energy Engineering	Japanese or English	✓	✓	✓	
Professor	TAKAHASHI Koji	Fatigue and Fracture of Materials, Engineering Ceramics	Japanese or English	✓	✓	✓	
Professor	WATANABE Masatoshi	Cancer Biology and Pathology, Medical Engineering, Tissue Engineering	Japanese or English				
Professor	YOSHITAKE Hideaki	Environmental Physical Chemistry, Materials Chemistry	Japanese or English	✓	✓	✓	
Associate Prof.	FUKUDA Junji	Tissue Engineering and Regenerative Medicine	Japanese or English	✓	✓	✓	
Associate Prof.	KANAI Toshimitsu	Optical Materials, Colloid Science, Microfluidics	Japanese or English		✓		
Associate Prof.	MATSUZAWA Koichi	Applied Electrochemistry	Japanese		✓		
Associate Prof.	MORI Shoji	Two-phase flow, Thermal-fluid Engineering	Japanese or English		✓	✓	
Associate Prof.	NAKAMURA Kazuho	Membrane separation, Separation engineering, Environmental chemical engineering	Japanese or English	✓	✓	✓	
Associate Prof.	NAKAO Wataru	Machine material/material mechanics, Inorganic material/physical properties, Structural/functional materials	Japanese or English	✓	✓	✓	
Associate Prof.	SUZUKI Atsushi	Developmental Biology, Biochemistry, Mouse Genetics	Japanese or English	✓	✓	✓	
Associate Prof.	TAKEDA Minoru	Microorganisms, Enzymes, Glycoconjugates	Japanese or English	✓	✓	✓	
Lecturer	AIHARA Masahiko	Chemical Energy Engineering, Chemical Reaction Engineering	Japanese or English		✓	✓	
Lecturer	YOKOYAMA Takashi	Inorganic Materials, Sensing Materials, Continuing Engineering Education	Japanese				He will not accept any students in 2016 April or later.

Department of Systems Integration (Mechanical Engineering)

For Master's Program, most courses are conducted in English. Students are encouraged to have Japanese language skills equivalent to JLPT N2 Level since some courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	AKINIWA Yoshiaki	Strength of Materials, Fracture Mechanics, Stress and Strain Analysis	Japanese or English	✓	✓	✓	
Professor	ISHII Kazuhiro	Combustion Engineering, Chemical Propulsion	Japanese or English	✓	✓	✓	
Professor	KONNO Norio	Interacting Particle Systems, Percolation, Phase Transition	Japanese or English	✓	✓	✓	
Professor	MAEKAWA Takashi	Computer Aided Design and Manufacturing	Japanese or English	*✓	✓	✓	*He will not accept any students in 2019 April or later.
Professor	MARUO Shoji	Micromachine, Micro Total Analysis System, Micro/Nano Fabrication	Japanese or English	✓	✓	✓	
Professor	MATSUI Jun	Micro Scale Flow, Computational Fluid Dynamics, Internal Flow in Fluid Machinery	Japanese or English	✓	✓	✓	
Professor	MATSUMOTO Hiroaki	Rarefied Gas Dynamics, Computational Fluid Dynamics	Japanese or English	✓	✓	✓	
Professor	NISHINO Koichi	Turbulence, Flow Visualization and Measurement, Utilization of Digital Image Processing Technique	Japanese or English	✓	✓	✓	
Professor	SANADA Kazushi	Control Engineering	Japanese or English	✓	✓	✓	
Professor	SATO Yasukazu	Mechatronics, Electromechanical Systems, Fluid Power Control	Japanese or English	✓	✓	✓	
Professor	TAKADA Hajime	Mechanical Vibration, Dynamics of Human Model, Human Interface	Japanese or English	✓	✓	✓	
Professor	YU Qiang	Computational Mechanics, Strength of Materials	Japanese or English	✓	✓	✓	
Associate Prof.	ARAKI Takuto	Thermo-fluid Dynamics, Mass and heat Transfer, Fuel Cells, Micro Electro Mechanical Systems	Japanese or English	✓	✓	✓	
Associate Prof.	FUCHIWAKI Ohmi	Micro mechanism, Micro manipulation, Electro and Magnetic actuators, Holonomic Precise mobile positioner	Japanese or English	✓	✓	✓	
Associate Prof.	HYAKUTAKE Toru	Computational Fluid Dynamics, Biomechanics, Micro Nano Flow	Japanese or English	✓	✓	✓	
Associate Prof.	KATO Ryu	Robotics, Medical welfare machine, Rehabilitation engineering, Brain machine interface	Japanese or English	✓	✓	✓	
Associate Prof.	KITAMURA Keiichi	Aerodynamics, Computational Fluid Dynamics, Hypersonic Flow, Multiphase Flow	Japanese or English	✓	✓	✓	
Associate Prof.	MAEDA Yusuke	Robotics, Manufacturing systems engineering	Japanese or English	✓	✓	✓	
Associate Prof.	OZAKI Shingo	Constitutive Equation, Plasticity, Friction	Japanese or English	✓	✓	✓	
Associate Prof.	SAKAI Seigo	Heat Transfer, Numerical Simulation, Radiative Exchange	Japanese or English	✓	✓	✓	
Associate Prof.	SHINOZUKA Jun	Cutting, FEM, Dynamic Behavior of Material	Japanese or English	✓	✓	✓	
Associate Prof.	TAKAO Yoshinori	Electric Propulsion, Plasma Application	Japanese or English	✓	✓	✓	
Associate Prof.	TAKEI Masato	Spatial Stochastic Models, Stochastic Process	Japanese or English	✓	✓	✓	
Lecturer	SUGIUCHI Hajime	Robotics, Automatic Control, Microcomputer Applications	Japanese or English	✓	✓	✓	

Department of Systems Integration (Ocean and Space Engineering)

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	ARAI Makoto	Ship Design, Hydrodynamic Loads on Ship Structure, Optimal Design Methodology, Maritime Logistics	Japanese or English	*✓	*✓	✓	*He will not accept any students in 2018 April or later.
Professor	HINO Takanori	Computational Fluid Dynamics, Ship Propulsion Performance, Hull Form Optimization	Japanese or English	✓	✓	✓	
Professor	KAWAMURA Yasumi	Structural Mechanics, Computer Aided Engineering, Structural Reliability	Japanese or English	✓	✓	✓	
Professor	OKADA Tetsuo	Ship Structural Design, Structural Analysis	Japanese or English	✓	✓	✓	
Professor	SUZUKI Kazuo	Numerical Ship Hydrodynamics, Wave-Making Resistance, Hull Form Design	Japanese or English	*✓	*✓	✓	*He will not accept any students in 2018 April or later.
Associate Prof.	HIRAKAWA Yoshiaki	Ship Motion, Ocean Wave, Experiments in Towing Tank and Actual Sea	Japanese or English		✓	✓	
Associate Prof.	MIYAJI Koji	High Speed Aerodynamics, Computational Fluid Dynamics, Aircraft Design	Japanese or English		✓	✓	
Associate Prof.	NISHI Yoshiki	Marine Resource, Deepsea development, Seawater desalination	Japanese or English		✓	✓	

Division of Systems Integration (Department of Solid State Materials and Engineering)

For Master's Program, most courses are conducted in English. Students are still required to have Japanese language skills equivalent to JLPT N2 Level since some courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	FUKUTOMI Hiroshi	Grain Boundary Phenomena, Mechanisms of High Temperature Deformation, Microstructure Control	Japanese or English				He will not accept any students in 2016 April or later.
Professor	HIROSAWA Shoichi	Structural Materials Design, Microstructural Control of Metals, Computational Materials Science	Japanese or English	✓	✓	✓	
Professor	MUKAI Kohki	Semiconductor Nanostructures, Quantum Optical Optics Materials, Optoelectronics Materials, Microfabrication of Metals	Japanese or English	✓	✓	✓	
Professor	UMEZAWA Osamu	Physical Metallurgy, Microstructural Design and Control, Deformation and Fracture	Japanese or English	✓	✓	✓	
Associate Prof.	HASEGAWA Makoto	Strength of Materials, Fracture Mechanics, Microstructure Control, Composites, Coatings	Japanese or English		✓	✓	
Associate Prof.	MAENO Tomoyoshi	Manufacturing Processes, Forming Processes	Japanese or English	✓	✓	✓	
Associate Prof.	NAKATSUGAWA Hiroshi	Thermoelectric Materials, Modules for High Temperature Materials, Peltier Cooling Applications, Strongly Correlated Materials, Oxides, SOFC Cathode Materials	Japanese or English	✓	✓	✓	
Associate Prof.	TAKEDA Mahoto	Electron Microscopy, Precipitation Behavior in Aluminum Alloys and Copper Alloys, Microstructure of Intermetallic Compounds	Japanese or English	*✓	✓	✓	*He will not accept any students in 2019 April or later.

Division of Physics, Electrical and Computer Engineering (Department of Electrical and Computer Engineering)

Most courses are conducted in English. Students can complete degrees only in English while learning Japanese language by taking courses below.
If you want to study under the following professors, please contact them before application.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	ADACHI Takehiko	Computer Aided Design of Electronic Circuits, Semiconductor Device Modeling, Analogue Integrated Circuits	Japanese or English		✓		
Professor	ARAI Hiroyuki	Electromagnetics, Antennas, Propagation, Microwave Components, Mobile Communication	Japanese or English	✓	✓	✓	
Professor	BABA Toshihiko	Semiconductor Losers, Microfabrication Technology of Semiconductors, Microoptics, Optical Interconnects	Japanese or English	✓	✓	✓	
Professor	FUJIMOTO Yasutaka	Manufacturing Automation, Discrete Event Systems, Motion Control, Robotics, Electrical Machinery	Japanese or English	✓	✓	✓	
Professor	HAMAGAMI Tomoki	Distributed Intelligent System, Multi-agent, Reinforcement learning	Japanese or English	✓	✓	✓	
Professor	HANEJI Nobuo	Semiconductor Materials and Processing, VLSI Engineering	Japanese or English	✓	✓	✓	
Professor	KAJIWARA Takeshi	Algebraic Varieties, Toric Geometry, and Tropical geometry	Japanese or English	✓	✓	✓	
Professor	KAWAMURA Atsuo	Power Electronics, Digital Control, Biped Walking Robots, Electric Vehicles, Electric Train Traction	Japanese or English	*✓	✓		*He will not accept any students in 2019 April or later.
Professor	KOHNO Ryuji	Information Theory, Space and Time Signal Processing, Dependable Wireless Network for Sensing and Controlling, Medical ICT	Japanese or English	✓	✓	✓	He has over 20 years of experience in lecturing on advanced Digital Communications in English at graduate level.
Professor	KOKUBUN Yasuo	Photonic Integrated Circuits, Micro-Optoelectronics	Japanese or English				He will not accept any students in 2016 April or later.
Professor	OCHIAI Hideki	Communication Theory, Information Theory, Wireless Communications, Communication Network	Japanese or English	✓	✓	✓	
Professor	OYAMA Tsutomu	Electric Power Systems Engineering, Power Systems Analysis, Planning and Operation of Power Systems	Japanese or English	✓	✓	✓	
Professor	TAKEMURA Yasushi	Magnetics for Biomedical Applications, Magnetic Sensors	Japanese or English	✓	✓	✓	
Professor	YOSHIKAWA Nobuyuki	Integrated Circuit, Electronics Devices, Superconductivity Electronics, Quantum Engineering	Japanese or English	✓	✓	✓	
Associate Prof.	ARAKAWA Taro	Optoelectronics, Quantum Nano Structures, Semiconductor Devices	Japanese or English	✓	✓	✓	
Associate Prof.	ICHIGE Koichi	Digital Signal Processing, Image Processing, Wireless Communication	Japanese or English	✓	✓	✓	
Associate Prof.	KUGA Nobuhiro	Microwave Engineering and measurement, Antenna Engineering	Japanese or English	✓	✓	✓	
Associate Prof.	KURAMITSU Kimio	Computer Science, Programming Language, Software Engineering	Japanese or English	✓	✓	✓	
Associate Prof.	NISHIJIMA Yoshiaki	Plasmonics, micro/nanophotonics, semiconductor process	Japanese or English	✓	✓	✓	
Associate Prof.	OYA Takahide	Nanotechnology, Carbon Nanotube, Nonlinear system	Japanese or English	✓	✓	✓	
Associate Prof.	SHIMA Keisuke	Pattern Recognition, Biomedical and Rehabilitation Engineering, Man-Machine Interface, Robotics	Japanese or English	✓	✓	✓	
Associate Prof.	SHIMONO Tomoyuki	Haptics, Motion control, Mechatronics, Human Support engineering	Japanese or English	✓	✓	✓	
Associate Prof.	SUGIMOTO Chika	Biological Measurement, Medical ICT, Human Information System Engineering	Japanese or English				She will not accept any students in 2016 April or later.
Associate Prof.	TSUJI Takao	Power system engineering, Smartgrid, Renewable energy source	Japanese or English	✓	✓	✓	
Associate Prof.	YAMANASHI Yuki	Electron/electric material engineering, Electronic device/electronic equipment	Japanese or English	✓	✓	✓	

Department of Physics, Electrical and Computer Engineering (Department of Physics)

For Master's Program, most courses are conducted in English. Students are still encouraged to have Japanese language skills equivalent to JLPT N2 Level since some courses are conducted in Japanese.

Title	Name	Research Field	Language Requirements	Type of Students Accepted			Remarks
				Doctoral	Master's	Research	
Professor	HONG Feng-Lei	Precision Spectroscopy, Quantum Measurement	Japanese or English	✓	✓	✓	
Professor	KOSAKA Hideo	Quantum Information Physics, Quantum Electronics, Quantum Optics, Quantum Spintronics	Japanese and English	✓	✓	✓	
Professor	OHNO Kaoru	Solid State Theory, Computer Physics, Nanomaterials	Japanese or English	✓	✓	✓	
Professor	SEKIYA Takao	Solid State Physics, High Pressure Physics	Japanese and English	✓	✓	✓	
Professor	SHIOJI Naoki	Nonlinear Functional Analysis, Partial differential Equations	Japanese or English	✓	✓	✓	
Professor	TAKEDA Jun	Solid State Physics, Laser Spectroscopy, Ultrafast Optics	English or Japanese	✓	✓	✓	
Professor	UMEHARA Izuru	Solid State Physics, magnetism	Japanese or English	✓	✓	✓	
Professor	YAMAMOTO Isao	Electromagnetism of Materials	Japanese and English	✓	✓	✓	
Associate Prof.	HORIKIRI Tomoyuki	Quantum Information, Quantum Optics	Japanese or English		✓	✓	
Associate Prof.	ICHIYANAGI Yuko	Nanosopic Magnetism	Japanese or English	✓	✓	✓	
Associate Prof.	ISHIWATA Shingo	Nonlinear Science	Japanese and English	✓	✓	✓	
Associate Prof.	KATAYAMA Ikufumi	Terahertz and Ultrafast Spectroscopy	Japanese or English	✓	✓	✓	
Associate Prof.	KATAYOSE Yusaku	Cosmic Ray Physics	Japanese or English	✓	✓	✓	
Associate Prof.	KURAMOTO Tetsuji	Quantum Field Theory	Japanese or English	✓	✓	✓	
Associate Prof.	NAKAMURA Shogo	Astroparticle Physics	Japanese and English	✓	✓	✓	
Associate Prof.	OHNO Shinya	Surface Physics	Japanese or English	✓	✓	✓	
Associate Prof.	RAEBIGER Hannes	Physics, Quantum chemistry, Material Science	English	✓	✓	✓	
Associate Prof.	SHIMAZU Yoshihiro	Experimental Solid State Physics	Japanese or English	✓	✓	✓	
Associate Prof.	SHIRASAKI Ryoen	Condensed Matter Physics, Complex Systems	Japanese or English	✓	✓	✓	
Associate Prof.	SHUDO Ken-ichi	Surface Physics	Japanese or English	✓	✓	✓	
Associate Prof.	TSUSHIMA Akira	Plasma Physics	Japanese or English	✓	✓	✓	
Associate Prof.	UEHARA Masatomo	Solid State Physics, Materials Science	Japanese or English	✓	✓	✓	