

3-2. 「整理番号」コード表（英語版）（数字3桁、中分類は英字も可）

大分類	中分類（百の位）		小分類（十の位及び一の位）	
University-wide Open Courses	A	Common Seminar	01	Life science archive seminar for graduate course I
			02	Life science archive seminar for graduate course II
			03	Life science archive seminar for graduate course III
	B	Common Lecture	01	Life science archive common lecture I
			02	Life science archive common lecture II
			03	Life science archive common lecture III
Common Courses	A	Integrated Courses	01	Special Lecture on Frontier Science I
			02	Special Lecture on Frontier Science II
			03	Special Lecture on Frontier Science III
			04	Special Lecture on Frontier Science IV
			05	Special Lecture on Frontier Science V
			06	Special Lecture on Frontier Science VI
			07	Stress Management - to enjoy your student life and your social life
			08	Exercise for Health and Fitness I
			09	Exercise for Health and Fitness II
			10	International Systems Design Workshop
			11	Optimal System Design
			12	System Architecture
			13	Case Study: Social Design and Management
			14	Model Based Project Management
			15	Seminar in Aging Control Design
			16	GSFS Research Internship Through Specified Employment I
			17	GSFS Research Internship Through Specified Employment II
	B	Comprehensive Cooperation	01	Special Lecture on Frontier Science VII
			02	Special Lecture on Frontier Science VIII
			03	Special Lecture on Frontier Science IX
	C	Technical English	01	Special Lecture on Frontier Science X
			02	Special Lecture on Frontier Science XI
	D	Overseas Researches	01	Overseas Researches on Frontier Sciences I
			02	Overseas Researches on Frontier Sciences II
			03	Overseas Researches on Frontier Sciences III
			04	Overseas Researches on Frontier Sciences IV
			05	Overseas Researches on Frontier Sciences V
	E	Proactive Research Commons	01	Workshop on Advanced CAE
			02	Smart Sensing
			03	Introduction to Geospatial Big Data Analysis
			04	Morphogenetic Design Creation Seminar
			05	Workshop of Proactive Research Commons
			06	Business-academia Cooperative Exercise
07			Proactive Research Commons	
F	World-leading Innovative Graduate Study Program in Proactive	01	Proactive Environmental Studies I	
		02	Proactive Environmental Studies II	
		03	Advanced UTSIP	
		04	Overseas Exercise in Proactive Environmental Studies I	
		05	Overseas Exercise in Proactive Environmental Studies II	
		06	Research Internship for Proactive Environmental Studies I	
		07	Research Internship for Proactive Environmental Studies II	
		08	Transdisciplinary Skills and Theories I	
		09	Transdisciplinary Skills and Theories II	

		Environmental Studies	10	Advanced Field Exercise
			15	Critical Thinking Basics - Select concepts, tools and techniques I
			16	Critical Thinking Basics - Select concepts, tools and techniques II
			17	Critical Thinking Skills - Select applications & reflection I
			18	Critical Thinking Skills - Select applications & reflection II
Division of Environmental Studies Common Subjects	A	Environment Management Program	01	Sustainability Perspectives in Environmental Issues
			02	Fundamentals of Environmental Planning
			03	Environmental Business
			04	Environmental Economics
			05	Introduction to Environmental Systems
			06	Fundamentals of Natural Environmental Studies
			07	Introduction to Socio-Cultural Environmental Studies
			08	Business and Finance for Sustainable Development
			09	Special Lecture on Project Management
	B	Integrated Environmental Design Program	01	Urban Design Studio
			02	Natural Environmental Design Studio I
			03	Natural Environmental Design Studio II
			04	Rural Design Studio
			05	Landscape Design Studio
			06	Architectural Structure Design Studio
			07	Integrated Environment Design Theory
			08	Urban Watershed Design Studio
			09	Architecture Design Studio I
			10	Architecture Design Studio II
			11	Natural Environmental Design Studio I
			12	ICT & Multimedia Design Studio
			13	Community Business Design Studio
			14	Urban Watershed Design Studio I
			15	Urban Watershed Design Studio II
			16	Community Business Design Studio I
			17	Community Business Design Studio II
	C	Brazil-Japan Collaborative Courses on Naval Architecture and Offshore Engineering	01	Risers and Pipelines
			02	Ocean Renewable Energy
			03	Subsea Well Construction and Petroleum Production Systems
			04	Material and Structural Mechanics
			05	Ocean Fluid-Structure Dynamics
			06	Introduction of Marine Energies and Environments
			07	Efficient Shipbuilding
			08	Design of Ocean System
			09	Systems and Control Technology
			10	Maritime Big Data and Satellite Utilization
			11	Economics of Marine Natural Resources
12			High Speed Vessel Design	
13			Brazil-Japan Internship on Naval Architecture and Offshore Engineering	
D	Minor Program in	01	Seminar on Sustainability Science I	
		02	Seminar on Sustainability Science II	
E	Transdisciplinary Subjects of	01	Introduction to Environmental Systems	
		02	Introduction to Socio-Cultural Environmental Studies	
		03	Special Lecture on Project Management	
		Basis of	01	Introduction to Advanced Materials Science I
			02	Introduction to Advanced Materials Science II
			03	Introduction to Advanced Materials Science III
			04	Introduction to Advanced Materials Science IV
			05	Introduction to Advanced Materials Science V
			06	Introduction to Advanced Materials Science VI

Department of Advanced Materials Science	A	Advanced Materials Science	07	Introduction to Advanced Materials Science VII
			08	New Introduction to Advanced Materials Science I
			09	New Introduction to Advanced Materials Science IV
			10	New Introduction to Advanced Materials Science VI
			11	New Introduction to Advanced Materials Science VII
			12	New Introduction to Advanced Materials Science II
			13	New Introduction to Advanced Materials Science III
			14	New Introduction to Advanced Materials Science V
	B	Physics	01	Optical Properties of Solids A
			02	Optical Properties of Solids B
			03	Magnetism I
			04	Magnetism II
			05	Physics of Quantum Matter
			06	Introduction to superconductivity and superfluidity
			07	Solid State Physics by Soft X-ray and Neutron Spectroscopy
			08	Science of Non-equilibrium Systems
			09	Physics in Quantum Information Technology
			10	Introduction to Biological Physical Chemistry
11			Introduction to magnetism and spintronics	
12			Strong Correlation Physics	
C	Chemistry	01	Chemistry and Physics of Organic Functional Materials	
		02	Soft Matter Physics and Chemistry I	
		03	Soft Matter Physics and Chemistry II	
		04	Introduction to Biological Physical Chemistry	
		05	Solid State Chemistry	
		06	Physics of transition metal oxides	
D	Materials Engineering	01	Environmental materials engineering	
		02	Physical chemistry for high temperature processes	
		03	Non-equilibrium process	
		04	High-Temperature Materials Design	
		05	Plasma Materials Science	
		06	Semiconductor Device and Materials I	
		07	Semiconductor Device and Materials II	
E	Computational Science · Data Science	01	Computational Science for Many-Body Problems	
		02	Information Compression in Computational Science	
		03	Computational Physics	
		04	Data Compression in Computational Science and Quantum Computing	
F	Interdisciplinary or Overhead View of Advanced Materials Science	01	Synchrotron Radiation Research	
		02	Introduction to Surface Science	
		03	Physics of transition metal oxides	
		04	Advanced Lecture for Materials Science I	
		05	Advanced Lecture for Materials Science II	
		06	Plasma Materials Science	
		07	Cluster Function Design	
		08	Advanced Materials Science	
		09	Frontier Materials Science I	
		10	Frontier Materials Science II	
		11	Introduction of Transdisciplinary Measurement Science	
		12	Introduction of Advanced Nano-probes	
		13	Practical Advanced Transdisciplinary Measurement Science	
		14	Special Lecture on Advanced Materials Science I	
		15	Special Lecture on Advanced Materials Science II	
		16	Special Lecture on Advanced Materials Science III	
		17	Special Lecture on Advanced Materials Science IV	
		18	Special Lecture on Advanced Materials Science V	

	G	Seminar · Special Research	19	Special Lecture on Advanced Materials Science VI
			20	Nanotechnology in Materials Science
			01	Advanced Materials Science Seminar I A
			02	Advanced Materials Science Seminar I B
			03	Special Research on Advanced Materials Science I A
			04	Special Research on Advanced Materials Science I B
			05	Advanced Materials Science Seminar II A
			06	Advanced Materials Science Seminar II B
			07	Advanced Materials Science Seminar II C
			08	Special Research on Advanced Materials Science II A
			09	Special Research on Advanced Materials Science II B
			10	Special Research on Advanced Materials Science II C
			Department of Advanced Energy	A
02	Theory on Energy Conversion			
03	Propulsion and Energy Systems			
04	Advanced Energy Conversion			
05	Energy Transfer in Space Applications			
B	Material Science	01		Science and Engineering of Materials Under Severe
		02		Advanced Composite Materials
		03		Fracture and Energy
C	Deep space exploration	01		Dynamics of High Enthalpy Flow
		02		Introduction to Deep Space Exploration
		03		Science and Technology of Atmospheric Entry
		04		Deep Space Exploration Mission Study
D	Control system engineering	01		Welfare Control Engineering
		02		Advanced Motion Control Application
		03		Power System Dynamics
		04		Advanced Power Systems Engineering
E	Electrical and Electric Engineering	01		Electric Vehicle Engineering
		02		Superconductor Technology
		03		Applied Electromechanical Dynamics
		04		Electromagnetic Environmental Engineering
F	Energy and Environment	01		Energy-Environmental Systems Engineering
		02		Overview of Advanced Electric Energy Systems
		03		Power System Circuit Analysis
		04		Energy Electronics I
		05		Energy Electronics II
		06		Transportation System Engineering
G	Nonlinear Science	01		Fundamentals of Plasma Physics
		02		Fundamentals of Fluid Dynamics
		03		Nonlinear Theory
H	Plasma and Fusion Science	01		Plasma Physics and Controlled Nuclear Fusion
		02		Fusion Energy Engineering
		03		Plasma Diagnostic Techniques
		04		Plasma Applications
		05	Advanced Plasma Physics and Engineering	
		06	Boundary Plasma Science and Technology	
I	Computational Science	01	Introduction to Computational Fluid Dynamics	
		02	High-speed Numerical Simulation	
	Overall	01	Fusion Science Special Lecture I	
		02	Fusion Science Special Lecture II	
		03	Special Lecture on Advanced Energy Engineering I	
		04	Special Lecture on Advanced Energy Engineering II	
		05	Special Lecture on Advanced Energy Engineering III	
		06	Special Lecture on Advanced Energy Engineering IV	

	J	view/Multidisciplinary view	07 Applied Transdisciplinary Design
			08 Seminar in Advanced Energy Engineering I
			09 Seminar in Advanced Energy Engineering II
			10 Special Research on Advanced Energy Engineering I
			11 Special Research on Advanced Energy Engineering II
			12 Special Seminar in Advanced Energy Engineering I
			13 Special Seminar in Advanced Energy Engineering II
Department of Complexity Science and Engineering	0	Complexity Science and Engineering	01 Special Lecture on Complexity Science and Engineering I
			02 Special Lecture on Complexity Science and Engineering II
			03 Special Lecture on Complexity Science and Engineering III
			04 Special Lecture on Complexity Science and Engineering IV
			05 Special Lecture on Complexity Science and Engineering V
			06 Special Lecture on Complexity Science and Engineering VI
			07 Special Lecture on Complexity Science and Engineering VII
			08 Special Lecture on Complexity Science and Engineering VIII
			09 Special Lecture on Complexity Science and Engineering IX
			10 Special Lecture on Complexity Science and Engineering X
			11 Special Lecture on Complexity Science and Engineering X I
			12 Special Lecture on Complexity Science and Engineering X II
			13 Special Lecture on Complexity Science and Engineering X III
			14 Special Lecture on Complexity Science and Engineering X IV
			15 Special Lecture on Complexity Science and Engineering X V
			16 Special Lecture on Complexity Science and Engineering X VI
			17 Elementary Course of Experiments on Complexity Science and Engineering
			18 Seminar on Complexity Science and Engineering I
			19 Seminar on Complexity Science and Engineering II
			20 Special Research in Complexity Science and Engineering I
			21 Special Research in Complexity Science and Engineering II
			22 Plasma Wave Physics
			23 Turbulence-induced Transport
			24 Complex Condensed Matter Physics
			25 Atomistic process of thin film growth
			26 Surface-Solid State Chemistry
			27 Analyses of Complexity in Earth and Planets
			28 Evolution of Earth and Planets
			29 Observations and explorations of the Earth and planets
			30 Nonlinear System Analyses I
			31 Nonlinear System Analyses II
			32 Instrumentation and Information Processing
			33 Theory of Information and Coding I
			34 Theory of Information and Coding II
			35 Advanced Nuclear Fusion Science and Engineering
			36 Practical Exercises in Nuclear Fusion
			37 Complex biological phenomena
			38 Introduction to Data Driven Science I
			39 Introduction to Data Driven Science II
			40 Space and Planetary Environment
			41 Practical Applications for Deep Space Exploration
			42 Haptics
			43 Advanced Data Analysis
			44 Human-Machine System
			45 Advanced Statistical Modeling
			46 Neural circuits
			47 Introduction to plasma physics
			48 Remote Sensing Image Analysis

Department of Integrated Biosciences	A	Integrated Biosciences	01	Breakthrough Now and Then I (Pre-school)
			02	Breakthrough Now and Then II
			03	Bio-Medicine, Drug Discovery
			04	Molecular recognition
			05	Biochemistry of Cell Responsiveness
			06	Signal transduction
			07	Molecular mechanisms of adaptation
			08	Genomic Instability
			09	Eucaryotic cell biology
			10	Human Evolutionary Specificity
			11	Evolutionary genetics
			12	Control of Biological Function
			13	Microbe vs Non-Microbe Interactions
			14	Frontiers in Cancer Science
			15	Evolutionary genomics
	B	Basic Biosciences	01	Basic Biochemistry and Molecular Biology
			02	Statistical Analysis for Biosciences
	C	Life Science English	01	Lessons in Writing Scientific Papers in English
			02	Practice in Oral Presentation in English
	D	Life Science Exercise	01	Debate on Ethics in Science and Technology
			02	Debate on Topics in Science and Technology
			03	Seminar in Integrated Biosciences
			04	Research Project Planning
			05	Advanced Seminar in Integrated Biosciences
06			Laboratory Course for Broadened Bioscience Skills	
E	Special Lecture	01	Frontiers in Molecular Biology I	
		02	Frontiers in Molecular Biology II	
F	Special Research	01	Research of Integrated Biosciences I	
		02	Research of Integrated Biosciences II	
	F	Fundamental Lecture	01	Fundamental Course I
			02	Fundamental Course II
			03	Fundamental Course III
	A	Advanced Lecture	01	Advanced Course I
			02	Advanced Course II
			03	Advanced Course III
			04	Advanced Course IV
			05	Advanced Course V
			06	Advanced Course VI
			07	Advanced Course VII
			08	Advanced Course VIII
	P	Fundamental Exercise	01	Fundamental Exercise I
			02	Fundamental Exercise II
			03	Fundamental Exercise III
			04	Fundamental Exercise V
	T	Special Lecture / Advanced Exercise	01	Advanced Data Mining for Biology
			02	Bio-informatics Software
			03	Introduction to Medicine
			04	Introduction to Translational Research
			31	Special Lectures on Computational Biology I
			32	Special Lectures on Computational Biology II
			33	Special Lectures on Computational Biology III
			34	Special Lectures on Computational Biology IV
	35	Special Lectures on Computational Biology V		
	36	Special Lectures on Computational Biology VI		
		Research	01	Introduction to Intellectual Property Law in Biotechnology

Department of Computational Biology and Medical Sciences	B	Ethics / Intellectual Property / Public Policy and Governance in Medical Sciences	02	Seminar of Intellectual Property in Biosciences
			03	Advanced Lecture on Biomedical Innovation I
			04	Advanced Lecture on Biomedical Innovation II
			05	Exercises of Comprehensive Analysis on Biomedical Innovation
			06	Advanced lecture on Medical Sciences and Public Policy I
			07	Advanced lecture on Medical Sciences and Public Policy II
			08	Research Ethics and Clinical Ethics I
			09	Research Ethics and Clinical Ethics II
			S	Joint Lecture with Department of Bioinformatics and Systems Biology
	02	Basics of Bioinformatics and Systems Biology II		
	04	Genome Sequence Analysis I		
	05	Genome Sequence Analysis II		
	06	Software and Algorithm Design for Biology I		
	07	Software and Algorithm Design for Biology II		
	08	Genome Biology		
	09	Omics		
	10	Systems Biology		
	11	Data Mining for Biology		
	12	Biostatistics		
	13	Bioinformatics I		
	14	Theoretical Biology		
	15	Bioinformatics Programming		
	16	Evolutionary and Ecological Informatics		
	17	Bio-image Informatics		
	18	Cell Biophysics		
	N	Internationaliz ation Exercise		
			02	Internationalization Exercises II (ppt presentation)
			03	Internationalization Exercises III (Writing)
			04	Internationalization Exercises IV
			05	Internationalization Exercises (Short-term global program)
	D	Data Scientist Training/Educ ation Program	01	Functional Bioinformatics
			02	Basic Lecture for Data Science for Drug Development
			03	Exercise of Data Science for Drug Development
			04	Exercise of Biological Data Programming I
			05	Exercise of Biological Data Programming II
			06	Practical Exercise of Data Science I
			07	Practical Exercise of Data Science II
			08	Practical Exercise of Data Science III
			09	Basics on Practical Drug Design
	C	Laboratory Seminar and Research	01	Seminar in Computational Biology and Medical Sciences I
			02	Research in Computational Biology and Medical Sciences I
			03	Compulsory Exercise for PhD Students I
			04	Compulsory Exercise for PhD Students II
05			Seminar in Computational Biology and Medical Sciences II	
06			Research in Computational Biology and Medical Sciences II	
07			Seminar in Biomedical Innovation I	
08			Seminar in Biomedical Innovation II	
09			Research in Biomedical Innovation I	
10			Research in Biomedical Innovation II	
			01	Geosphere Change
			02	Environmental Chemistry

Department of Natural Environmental Studies	L	Course Lectures	03	Atmosphere and Ocean Dynamics		
			04	Terrestrial Ecology		
			05	Hydrosphere Ecology		
			06	Environmental Evolutionary Adaptation		
			07	Landscape Planning and Design		
			08	Environmental Policy		
			09	Resource Management		
			10	Water Resource Environment		
			11	Natural Environmental Structures		
			12	Changes of Natural Environment		
			13	Biosphere Functions		
			14	Bio-environmental Studies		
			15	Biosphere Information Science		
			16	Natural Environment Evaluation		
			17	Natural Environment Formation		
			18	Numerical Modelling for Global Environment Issues		
			19	Environmental Information Science		
			20	Marine Biogeochemical Cycles		
			21	Marine Physical Environments		
			22	Marine Mammal Science		
			23	Modelling for ocean ecosystem		
			24	Frontiers in Natural Environmental Studies		
			25	Dynamics of Natural Environment		
			26	Conservation of Natural Environment		
			27	Coastal Marine Science		
			28	Terrestrial Natural Environment		
			29	Ocean Natural Environment		
			30	Material Cycling of Environment		
			31	Natural Environmental Landscape		
			32	Earth Surface Processes		
			S	Exercises	01	Seminar in Natural Environmental Studies I
					02	Seminar in Natural Environmental Studies II
03	Advanced Seminar on Natural Environmental Studies I					
04	Advanced Seminar on Natural Environmental Studies II					
05	Advanced Seminar on Natural Environmental Studies III					
11	Seminar on Marine Affairs IV					
P	Field Experiments	01	Extensive Fieldwork on Natural Environmental Studies			
		02	Practice in Natural Environmental Studies			
		03	Practice in Marine Studies			
		11	Practice in Environmental Information Science			
		12	Practice in internship for ocean law and ocean policy			
		13	Practice in Coastal Environmental Studies			
		21	Practice in Earth Surface Environment I			
		22	Practice in Earth Surface Environment II			
		23	Advanced Practice in Earth Surface Environment I			
		24	Advanced Practice in Earth Surface Environment II			
		25	Advanced Practice in Earth Surface Environment III			
		31	Practice in Terrestrial Ecosystem I			
		32	Practice in Terrestrial Ecosystem II			
		33	Advanced Practice in Terrestrial Ecosystem I			
		34	Advanced Practice in Terrestrial Ecosystem II			
35	Advanced Practice in Terrestrial Ecosystem III					
41	Practice on Marine Environmental Studies I					
42	Practice on Marine Environmental Studies II					
43	Special Practice on Marine Environmental Studies I					



			44	Special Practice on Marine Environmental Studies II
			45	Special Practice on Marine Environmental Studies III
			51	Practice in Terrestrial Landscapes I
			52	Practice in Terrestrial Landscapes II
			53	Advanced Practice in Terrestrial Landscapes I
			54	Advanced Practice in Terrestrial Landscapes II
			55	Advanced Practice in Terrestrial Landscapes III
	T	Research Works	01	Research Work in Natural Environmental Studies I
			02	Research Work in Natural Environmental Studies II
			03	Advanced Research Work in Natural Environmental Studies I
			04	Advanced Research Work in Natural Environmental Studies II
			05	Advanced Research Work in Natural Environmental Studies III
	G	Seminars	11	Group Seminar in Natural Environmental Studies I
			12	Group Seminar in Natural Environmental Studies II
			13	Group Special Seminar in Natural Environmental Studies I
			14	Group Special Seminar in Natural Environmental Studies II
			15	Group Special Seminar in Natural Environmental Studies III
	E	Laboratory Experiments	11	Experiment in Natural Environmental Studies I
			12	Experiment in Natural Environmental Studies II
			13	Advanced Experiment in Natural Environmental Studies I
			14	Advanced Experiment in Natural Environmental Studies II
			15	Advanced Experiment in Natural Environmental Studies III
Department of Ocean Technology, Policy, and Environment	A	Ocean Technology Policy, New Industry Development, Marine Environment Creation	01	Ocean Technology Policy
			02	New Industry Development
			03	Marine Environmental Creation
			04	Design of Environmentally Harmonizing Systems
			05	Strategic Environmental Assessment
			06	Special Lecture on Ocean Technology, Policy and Environment I
			07	Special Lecture on Ocean Technology, Policy and Environment II
			08	Special Lecture on Ocean Technology, Policy and Environment III
			09	Project on Ocean Technology, Policy, and Environment I
			10	Project on Ocean Technology, Policy, and Environment II
			11	Social Implementation of Ocean Technology
			12	Ocean Utilization Systems
	B	Fundamentals	01	Ocean Development Systems
			02	Applied Fluid Dynamics
			03	Material and Structural Mechanics for Ocean Systems
			04	Special lecture on experimental methodology of ocean technology and environment
			05	Theory on Ship Propulsive Performance
			06	Marine Hydrodynamics
	C	Modeling	01	Marine Environmental Modelling
			02	Exercises on Ocean Information
			03	Ocean Data Science
	D	Sensing	01	Underwater Robotics
			02	Ocean Observation Technology
			03	Marine Robotics and Sensing
	E	Ocean Science	01	Polar Environment
			02	Dynamics of the ocean surface processes
			03	Metocean fundamentals for Engineers
	F	Internship	01	Practical Exercise on Ocean Industry I
			02	Practical Exercise on Ocean Industry II
	G	Oversea Internship	01	Special Exercise on Ocean Technology, Policy and Environment I
			02	Special Exercise on Ocean Technology, Policy and Environment II
			03	Special Exercise on Ocean Technology, Policy and Environment III
			04	Special Exercise on Ocean Technology, Policy and Environment IV

	H	Thesis Research	01	Research on Ocean Technology, Policy and Environment I s
			02	Research on Ocean Technology, Policy and Environment I w
			03	Research on Ocean Technology, Policy and Environment II s
			04	Research on Ocean Technology, Policy and Environment II w
			05	Special Research on Ocean Technology, Policy and Environment I s
			06	Special Research on Ocean Technology, Policy and Environment I w
			07	Special Research on Ocean Technology, Policy and Environment II s
			08	Special Research on Ocean Technology, Policy and Environment II w
			09	Special Research on Ocean Technology, Policy and Environment III s
			10	Special Research on Ocean Technology, Policy and Environment III w
Department of Environment Systems	1	Environment Systems	01	Foundations of Environment Systems I
			02	Foundations of Environment Systems II
			03	Environment Systems I
			04	Environment Systems II
			05	Projects on Environment Systems
			06	Seminar on Environment Systems
	2	Energy & Resources	01	Environment Material Systems
			02	Environment Technology in Mineral Resources Development
			03	Resources and Energy
			04	Energy and environment systems
			05	Active Monitoring of Geological Environment
	3	Assessment	01	Safety for Environment and its Systems
			02	Life Cycle Impact Assessment
			03	Management of Radiation Risk
			04	Special Lecture on Environmental Risks
			05	Environmental Toxicology
			06	Environmental Assessment
			07	Advanced Radiation Protection
	4	Natural Environment	01	Studies of marine Environment
			02	Environmental and material systems
			03	Geosphere Environment
			04	Bioecological System in Environment
			05	Special Lecture on Environmental Ecology
	5	Environment Conservation	01	Environmental Technology Development
			02	Environmentally Friendly Chemical Process
	6	Human & Society Environment	01	Environment economics system
			02	Socio-environmental Systems
			03	Reciprocity of artifacts and environmental problem
	7	Computational Information Science	01	Introduction to Modeling of Environment Systems
			02	Foundations of Environmental Informatics and Sensing
	8	Special Lectures	01	Special Lecture on Environmental System I
			02	Special Lecture on Environmental System II
			03	Special Lecture on Environmental Systems III
04			Special Lecture on Environmental Systems IV	
9	Internship/hands-on training	01	Internship on Environmental System	
		11	Overseas Researches on Environment Systems I	
		12	Overseas Researches on Environment Systems II	
		13	Overseas Researches on Environment Systems III	
		14	Overseas Researches on Environment Systems IV	
		15	Overseas Researches on Environment Systems V	
		16	Overseas Researches on Environment Systems VI	
17	Overseas Researches on Environment Systems VII			
			01	Researches on Environment Systems I
			02	Researches on Environment Systems II
			21	Experiments on Environment Systems I

	a	Master & Doctoral Researches	22	Experiments on Environment Systems II
			41	Special Researches on Environment Systems I
			42	Special Researches on Environment Systems II
			43	Special Researches on Environment Systems III
			61	Special Experiments on Environment Systems I
			62	Special Experiments on Environment Systems II
			63	Special Experiments on Environment Systems III
Department of Human and Engineered Environmental Studies	A	Energy and	01	Advanced Lecture on Environmental Energy Systems
	B	Mechatronics	01	Special lecture on environmental information equipment
			02	Vibration of elastic continuum
			03	Mechatronics for Environmental Studies
			04	Actuation technologies
	C	System engineering	02	Knowledge Information Processing
			03	Modeling and analysis of complex systems
			04	Special Lecture on Intelligent Construction System
			05	Special Lecture on i-Construction Systems for Infrastructure Projects
			06	Special Seminar on i-Construction Systems for Infrastructure Projects
	D	Information engineering	01	Human and Environmental Information Wearable Sensing
			02	Environmental Simulation I
			03	Environmental Simulation II
			04	Environment Monitoring Devices
			05	Robot Informatics
	E	Mechanical engineering	01	Environmental Sound and Vibration
			02	Dynamics and Control Seminar
	F	Barrier-free	01	Assistive Technology
	G	Electrical and Electric	01	Mechanical and Electrical Design of Flexible Devices
			02	Biointerface
	H	Overall view/Multidisciplinary view	01	Special Lecture on Human and Engineered Environment I
			02	Special Lecture on Human and Engineered Environment II
			03	Research into Artifacts
			04	Physiological Science of Adaptation to Exercise
			05	Human and Engineered Environmental Studies (Basic I)
			06	Human and Engineered Environmental Studies (Basic II)
			07	Human and Engineered Environmental Studies (Application)
			08	Exercises in Human Environmental Design
			09	Special Exercises in Human and Engineered Environment I
			10	Special Exercises in Human and Engineered Environment II
			11	Special Exercises in Human and Engineered Environment III
			12	Special Exercises in Human and Engineered Environment IV
13			Special Exercises in Human and Engineered Environment V	
14			Nanoprocessing and Nanometrology	
15			Human and Engineered Environmental Studies (Development)	
16			Advanced Course of Mobility Engineering	
17			Special Lecture on Human Factors	
18			Special Lectures on Human and Engineered Environmental Studies	
19			Human and Engineered Environmental Studies (Basic II A)	
20			Human and Engineered Environmental Studies (Basic II B)	
21			Concept Rapid Prototyping	
22			Teaching Development in Higher Education	
A	Society & Humanity	01	Environmental Movement	
		02	Environmental Ethics	
		03	History of Human and Environment	
		04	Studies in Culture and Environment	
		05	Historical Landscape Ecology	
		06	Seminar on Society and Humanity I	

Department of Socio-Cultural Environmental Studies			07	Seminar on Society and Humanity II	
			08	Seminar on Society and Humanity III	
	B	Spatial Planning & Design	01	Design for Living Environments	
			02	Spatial Planning and Design	
			03	Management of Built Environment	
			04	Exercise on Management of Built Environment	
			05	Environmental Acoustics	
			06	Exercise on Environmental Acoustics	
			07	Morphology of Architectural Structures	
			08	Exercise on Space Environment Engineering	
			09	Practice in Architectural Design I	
			10	Practice in Architectural Design II	
			11	Lighting Environment	
			12	Seminar on Lighting Environment	
	C	Water and Material Cycles	01	Sustainable Environmental Technology Systems	
			02	Water and Wastewater Treatment for Material Recycling	
			03	Seminar on Urban Water Environment	
			04	Coastal Environment Infrastructure Studies	
			05	Seminar on Coastal Environment Infrastructure Studies	
			06	Analysis of Coastal Environmental Processes	
			07	Seminar on Analysis of Coastal Environmental Processes	
	D	Spatial Information Science	01	Development and Utilization of Spatial Database	
			02	Spatial Information Analysis	
			03	Seminar on Spatial Information Analysis	
			04	Geographic Information and Design	
			05	Seminar on Spatial Information System	
			06	Statistical Data Analysis	
			07	Urban and Regional Economic Analyses I	
			08	Urban and Regional Economic Analyses II	
			09	Urban and Regional Information Analysis	
			10	Urban Computing	
			11	Seminar on Spatial Information Analysis	
	E	Socio-cultural Environmental Studies	01	Transdisciplinary Seminar on Socio-Cultural Environment	
			02	Seminar on Socio-cultural Environment I	
			03	Seminar on Socio-cultural Environment II	
			04	Seminar on Socio-cultural Environment III	
			05	Seminar on Socio-cultural Environment IV	
			06	Practice on Socio-Cultural Environment	
			07	Study on Socio-cultural Environment	
			08	Special Seminar on Socio-cultural Environment I	
			09	Special Seminar on Socio-cultural Environment II	
			10	Special Study on Socio-cultural Environment	
			11	Special Lecture on Socio-cultural and Socio-physical Environment I	
			12	Special Lecture on Socio-cultural and Socio-physical Environment II	
	A	Introductory Courses	01	Basic Mathematics for International Studies	
			02	Introduction to Statistics and Quantitative Analysis	
			03	Instruments for ODA	
			04	Theory and Practice of Fieldwork	
			05	Theory and Practice of Fieldwork	
				06	Basic Mathematics for International Studies
				01	Field Work and Formation of Hypotheses
				02	Development Economics
				03	Development Research
				04	Asian network
			05	Environment and Resources Management I	

Department of International Studies	B	Core Courses	06	Environment and Resources Management II		
			07	Rural Planning		
			08	Introduction to Geoinformatics		
			09	Studies of International Political Economy		
			10	Project Decision Making		
			11	Game Theory for Conflict Management I		
			12	Game Theory for Conflict Management II		
			13	Mathematical Methods for International Studies I		
			14	Mathematical Methods for International Studies II		
			15	Foundations of Development Financial Economics		
			16	Agricultural Water Management		
			17	International Studies Research Seminar		
			18	Interpersonal and Organizational Dynamics in International Cooperation		
			C	Applied Courses	01	Agricultural Development
					02	Seminar on Asian Network
					03	Agricultural Production Technology and International Cooperation
					04	Disaster and Risk Process Analysis I
					05	Disaster and Risk Process Analysis II
	06	Open Macroeconomics				
	07	Development Model				
	08	Collective Decision-Making I				
	09	Collective Decision-Making II				
	10	Process of Environmental and Technology Policies				
	11	International Studies Lecture Series I				
	12	International Studies Lecture Series II				
	13	International Studies Lecture Series III				
	14	International Studies Lecture Series IV				
	15	International Studies Lecture Series V				
	16	International Studies Lecture Series VI				
	17	Advanced Lecture on International Studies I				
	18	Advanced Lecture on International Studies II				
	19	Advanced Lecture on International Studies III				
	20	Advanced Lecture on International Studies IV				
	21	Advanced Lecture on International Studies V				
	22	Advanced Lecture on International Studies VI				
	23	Advanced Lecture on International Studies VII				
24	Advanced Lecture on International Studies VIII					
25	Advanced Lecture on International Studies IX					
26	Advanced Lecture on International Studies X					
27	Water Security					
28	Water Security: Exercise					
29	Topics in Development Finance					
30	International Studies Lecture SeriesVII					
31	International Studies Lecture SeriesVIII					
32	International Studies Lecture SeriesIX					
33	International Studies Lecture Series X					
34	Agro-Environmental Studies					
35	Disaster and Risk Process Analysis					
36	Language and Discourse Analysis for International Cooperation					
D	Practical Courses	01	Exercise of Field Work			
		02	Field Work for Development Aid			
		03	Summer Program			
		04	Masters Internship I			
		05	Masters Internship II			
		06	Doctoral Internship I			

		07	Doctoral Internship II	
E	Thesis Research	01	International Studies Seminar I a	
		02	International Studies Seminar I b	
		03	International Studies Seminar II a	
		04	International Studies Seminar II b	
		05	International Studies Seminar IIIa	
		06	International Studies Seminar IIIb	
		07	International Studies Seminar IVa	
		08	International Studies Seminar IVb	
		09	Doctoral Research Seminar I a	
		10	Doctoral Research Seminar I b	
		11	Doctoral Research Seminar II a	
		12	Doctoral Research Seminar II b	
		13	Doctoral Research Seminar IIIa	
		14	Doctoral Research Seminar IIIb	
		15	Doctoral Research Seminar IVa	
		16	Doctoral Research Seminar IVb	
		17	Doctoral Research Seminar V a	
		18	Doctoral Research Seminar V b	
		19	Doctoral Research Seminar VIa	
		20	Doctoral Research Seminar VIb	
		21	International Studies Seminar I S1	
		22	International Studies Seminar I S2	
		23	International Studies Seminar I A1	
		24	International Studies Seminar I A2	
		25	International Studies Seminar II S1	
		26	International Studies Seminar II S2	
		27	International Studies Seminar II A1	
		28	International Studies Seminar II A2	
		29	Doctoral Research Seminar I S1	
		30	Doctoral Research Seminar I S2	
		31	Doctoral Research Seminar I A1	
		32	Doctoral Research Seminar I A2	
		33	Doctoral Research Seminar II S1	
		34	Doctoral Research Seminar II S2	
		35	Doctoral Research Seminar II A1	
		36	Doctoral Research Seminar II A2	
		37	Doctoral Research Seminar III S1	
		38	Doctoral Research Seminar III S2	
		39	Doctoral Research Seminar III A1	
		40	Doctoral Research Seminar III A2	
A	Science of Sustainability	01	Concepts and Methodologies of Sustainability Science	
		02	Socio-Environmental System and Sustainability	
		03	Advanced Concepts and Methodologies of Sustainability Science	
		04	Sustainability Science: Japanese Perspectives	
			01	Strategies for Global Sustainability
			02	Environmental Sustainability
			03	Management and Policy Studies of Sustainability
			04	Sustainability of Resources
			05	Planning and Design for Sustainability
			06	Education and Sustainability
			07	Biodiversity
			08	Frontier of Sustainability Science
			09	Energy and Materials for Sustainability

Graduate Program in Sustainability Science - Global Leadership Initiative	B	Science for Sustainability	10	Critical Thinking Basics for Non-Native Speakers of English A
			11	Critical Thinking Basics for Non-Native Speakers of English B
			12	Critical Thinking Skills - Applications & Beyond the Basics A
			13	Critical Thinking Skills - Applications & Beyond the Basics B
			14	Special Lecture on Sustainability Science I
			15	Special Lecture on Sustainability Science II
			16	Special Lecture on Sustainability Science III
			17	Special Lecture on Sustainability Science IV
			18	Negotiation and Consensus Building for Sustainability
			19	Field Exercise on Sustainability Science
			20	Global Field Exercise A
			21	Global Field Exercise B
			22	Global Internship
	23	Management and Policy Studies of Sustainability		
	D	Thesis Research	01	Seminar on Sustainability Science (Master's)
			02	Master's Research on Sustainability Science I
			03	Master's Research on Sustainability Science II
			04	Master's Research on Sustainability Science III
			05	Master's Research on Sustainability Science IV
			06	Seminar on Sustainability Science (Doctoral)
			07	Doctoral Research on Sustainability Science I
			08	Doctoral Research on Sustainability Science II
			09	Doctoral Research on Sustainability Science III
			10	Doctoral Research on Sustainability Science IV
11			Doctoral Research on Sustainability Science V	
12	Doctoral Research on Sustainability Science VI			