Interdisciplinary, Structured Curriculum to Nurture Interdisciplinary Problem-Solving Skills

To promote the willingness to learn how to address each issue, students will be given the opportunity to design their own curriculum and gain experience through active learning. The academic program consists of KIKAN Education courses – common, university-wide courses that focus on the fundamentals of learning – and specialized courses that build on these foundations. We also aim for students to acquire practical language skills through intensive language education.

※The curriculum below is for AY 2022. Some minor changes are planned for AY 2023.

●:KIKAN Education, ●:Humans and Life, ●:People and Society, ●:States and Regions, ●:Earth and Environment, ●:Crossing Study Areas, ○:Others

1st Year	2nd Year	3rd Year	4th Year
Acquire knowledge and skills from wide-ranging academic fields, as well as an active mindset and approach to utilize academic study to solve problems.			Framing a method of problem solution, combining knowledge and skills from different academic fields.

●KIKAN Education courses for students in the second year and above

Specialized Courses

KIKAN Education

The KIKAN Education courses taken by all undergraduate students at Kyushu University are divided into categories I-IX. These courses teach students ways of thinking and learning about issues, instilling in them the knowledge and skills that will help them to develop a high level of expertise and a well-rounded education. The Courses for Languages and Cultures provide students at the School of Interdisciplinary Science and Innovation with unique programs to learn languages, including Japanese and English.

- ●KIKAN Education Seminar
- ●Interdisciplinary Collaborative Learning of Social Issues
- ●Courses for Languages and Cultures
- ●Courses in Humanities and Social Sciences
- ●Courses in Humanities and Social Sciences
- ●Courses in Science
- ●Courses for Cybersecurity
- ●Courses on Health and Sports
- ●General Courses

Common Basic Courses

- ●Design Thinking for Interdisciplinary Science and Innovation
- ●Field Research
- ●Philosophy of Science
- ●Fundamentals of Data Science
- ●Introduction to Complex Systems
- ●Global History
- ●Global Ethics

Reflective Courses Cross-area Courses

- ●Design Thinking Programming
- ●Design Thinking Process
- ●Design Thinking and Engineering
- ●Big Data Processing
- ●Methodologies for Practical Data Analysis
- ●Data Analytics
- ●History and Philosophy of Physics
- ●History and Philosophy of Geoscience and Biology
- ●Science, Technology and Society
- ●Complex Systems
- ●Thermo-Dynamical Properties
- ●Quantum Properties
- ●Python Programming for Analysis

Interdisciplinary Science & Innovation Courses

Degree Project (Graduation Thesis)

- ○Degree Project 1
- ○Degree Project 2
- ○Degree Project 3

Collaborative Courses

- ○Basic Project for Interdisciplinary Science and Innovation 1
- ○Basic Project for Interdisciplinary Science and Innovation 2
- ○Project for Interdisciplinary Science and Innovation 1
- ○Project for Interdisciplinary Science and Innovation 2

Reflective Courses Area Basic Courses

- ●Genetics & Evolution
- ●Molecular &Cell Biology
- ●Brain & Information
- ●Approaches to Social Philosophies
- ●Approaches to Language and Communication
- ●Approaches to Social Collaboration
- ●Introduction to Area Studies
- ●Introduction to Political Science and Economics
- ●Introduction to History and Archeology
- ●Understanding the Earth
- ●Natural Environments and Societies
- ●Natural Disaster and Resources
- ●Practices in Earth Environments

Interdisciplinary Science & Innovation Courses Area Advanced Courses

- ●Evolutionary Biology
- ●Developmental Biology
- ●Physiology and Behavior
- ●Stress and Nutrition
- ●Biochemistry
- ●Advanced Molecular Biology
- ●Pathophysiology
- ●Science and Health
- ●Cognitive Science
- ●Bioethics
- ●Biological Information Science
- ●Systems Neuroscience
- ●Cultural Pluralism and the World Order
- ●Ethics of Education
- ●Research Methods for Human Societies
- ●Language & Communication A
- ●Language & Communication B
- ●Communication for Argumentation and Knowledge Creation A
- ●Communication for Argumentation and Knowledge Creation B
- ●Multiculture & Communication
- ●Media and Communication
- ●Understanding Prehistoric Societies A
- ●Understanding Prehistoric Societies B
- ●Global Social Welfare
- ●Anthropology on Life Style
- ●International Politics
- ●Global Performance Theory
- ●Comparative Area Studies
- ●East Asian Area Studies
- ●Global and Regional Ecology
- ●Development Economics
- ●International Relations
- ●State and Politics
- ●Japanese Economic History
- ●Regional Perspective from Archeology
- ●Regional History
- ●Comparative History
- ●Earth Material Science
- ●Oceanic and Atmospheric Sciences
- ●Earth Dynamics
- ●Earth Sciences in Global Society
- ●Geotechnics and Disaster
- ●Biodiversity Science
- ●Conservation Genetics
- ●Environmental Conservation and Restoration
- ●Watershed Hydrology and Ecology
- ●Environmental Geography
- ●Environmental Urban Policy
- ●Economic Geography in East Asia
- ●Environmental Governance
- ●Environment and Energy

○Lecture Series

Experiential Courses

- ○Cross-Cultural Adjustment 1
- ○Cross-Cultural Adjustment 2
- ○International Experience A1
- ○International Experience A2
- ○International Experience B1
- ○International Experience B2

Students may take courses of other faculties if necessary.