

Subjects taught in foreign language

| Area | Language | For Undergraduate or Graduate | | Subject Title | Instructor | Semester | Day | Period | Credit | Course Outline |
|--------------------|--------------------|-------------------------------|---|--|----------------------------|----------|-----------|-----------|--------|---|
| Agriculture | English | Undergraduate | 2nd, 3rd, 4th grader only | Watershed Hydrology | Whitaker Andrew | Sprig | Thu | 4 | 2 | Learn the basics of hydrology relating to watershed management, water resources management, flood forecasting and modeling, and how to utilize this knowledge. |
| Agriculture | English | Undergraduate | 3rd, 4th grader only | Introduction to Technical Communication | Whitaker Andrew | Fall | Thu | 2 | 2 | Learn fundamental communication skills necessary for scientists and engineers to engage in the international community, including data presentation and report writing skills, and oral presentation skills. |
| Economics/Business | English | Undergraduate | | Applied Microeconomics | Masakazu Naito | Fall | Tue | 5 | 2 | The course is about the simplest approach to trade theory. The topic will be covered as follows; trade among constant returns to scale perfect competitive economies. We first study, in completely general production settings, the conditions under which trading is Pareto efficient and the predictions about who will trade what with whom. Then we move on to models that restrict the supply side in different manners, as Ricardian or Heckscher-Ohlin, in order to generate richer predictions about what will happen when economies trade. We next examine models of international trade in which countries trade purely to exploit economies of scale, and in which production is imperfectly competitive. |
| Economics/Business | English | Undergraduate | | International Communication III | KENT Giles Ferdinand Grant | Sprig | Mon | 3 | 2 | |
| Economics/Business | English | Graduate | | International Microeconomics | Masakazu Naito | Fall | Tue | 3 | 2 | This course focuses on the following topics: basic theory of consumer behavior; production and costs; partial equilibrium analysis of pricing in competitive and monopolistic markets; general equilibrium. It is recommended for students planning to apply to graduate school in economics, or finance. This course emphasizes mathematically understanding of how Economists think and attempts to demonstrate the importance of price theory, in part by giving examples of economic problems where the obvious answer is wrong and the mistake comes from not having a consistent theory of how prices are determined. I recommend that the students, who want to register this course, should review basic mathematics and intermediate microeconomics. |
| Engineering | English | Undergraduate & Graduate | 4th grader only | Electrical and Electronic Engineering | Takashi Sato | Sprig | Intensive | Intensive | 2 | The classes are given primarily as seminars in reading English articles and papers. Thus this subject helps students to acquire basic knowledge required for the research. |
| Engineering | English | Undergraduate & Graduate | 3rd, 4th grader only | Laser Engineering | Takashi Sato | Fall | Intensive | Intensive | 2 | We discuss from the interaction between materials and electromagnetic waves, and then discuss the principle of lasers, the Fabry-Perot cavity and other optics, some application fields of lasers, and then the details of the optical communication. |
| Health Science | English | Undergraduate | Only for International Students | Theories and skills of health sciences | Hagiko Aoki other | Fall | Intensive | Intensive | 2 | In this subject, students learn theories and practical skills of health sciences through lectures, exercises and/or trainings in the field of nursing, radiological science or medical laboratory science. |
| Health Science | English | Undergraduate | Only for International Students | Research and Presentation in Health Sciences | Hagiko Aoki other | Fall | Intensive | Intensive | 6 | In this subject, students learn how to run given research program in health sciences, including learning of research planning, research methods, examination and experiment, compiling data, presentation of the results. |
| Humanities | English & Japanese | Undergraduate | 3rd, 4th grader in Faculty of Humanity priority | Seminar in Creative Arts D | Chinatsu Komagata | Sprig | Thu | 5 | 2 | While Japanese students and students work together to experiential learning which is a Japanese-style group dance "Soh Odori". |
| Humanities | English | Undergraduate | | Introduction to Japanese Culture 1 | Satoshi Kuwahara other | Fall | Wed | 5 | 2 | This series of lectures aims to show you some aspects of Japanese language and culture so that you can gain basic knowledge about these topics and understand the depth and width of the fields. The topics will include calligraphy, literature, philosophy, Japanese and other languages, and, of course, Japanese 'Anime'. International students as well as Japanese students are |
| Humanities | Chinese | Undergraduate | 3rd, 4th grader only | Asian Language and Culture B | CHEN WEIZHAO | Sprig | Mon | 2 | 2 | |
| Humanities | French | Undergraduate | 3rd, 4th grader only | French Language and Culture A | Tatsuo Hemmi | Fall | Tue | 3 | 2 | |
| Humanities | English | Undergraduate | 3rd, 4th grader only | Western Regional History A | Yuto Ishibashi | Fall | Thu | 3 | 2 | |
| Humanities | English | Undergraduate | 3rd, 4th grader only | Area Studies | Satoshi Kuwahara | Fall | Tue | 5 | 2 | |
| Humanities | English | Undergraduate | 2nd, 3rd, 4th grader only | Introduction to American Society A | HADLEY GREGORY STUART | Fall | Thu | 3 | 2 | |
| Humanities | English | Undergraduate | 2nd, 3rd, 4th grader only | Introduction to Western Civilization A | HADLEY GREGORY STUART | Sprig | Tue | 3 | 2 | |
| Humanities | Chinese | Graduate | | Lecture:Chinese Language and Culture | ZHU Ji zheng | Sprig | Wed | 4 | 2 | The purpose of this class is to deepen students' understanding of the semantic and syntactic properties of aspect markers by observing naturally occurring data. Students will compare and contrast Chinese and Japanese from a common viewpoint to clarify the similarities and the differences of the aspect system. We welcome international students interested in attending this class. |
| Humanities | Chinese | Graduate | | Seminar:Chinese Language and Culture | ZHU Ji zheng | Fall | Wed | 4 | 2 | The purpose of this class is to deepen students' understanding of the semantic and syntactic properties of aspect markers by observing naturally occurring data. Students will compare and contrast Chinese and Japanese from a common viewpoint to clarify the similarities and the differences of the aspect system. We welcome international students interested in attending this class. |
| Humanities | English | Undergraduate & Graduate | Only for International | Japan: From Outsider's Point of View | Ruth Ikeda | Sprig | Thu | 2 | 2 | |

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| Humanities | English | Undergraduate & Graduate | Only for International | Japan: From Outsider's Point of View | Ruth Ikeda | Fall | Thu | 2 | 2 | |
| International relations | English | Undergraduate | 3rd, 4th grader only | The North and the South over the Environment and Development | Haruo Miyata | Sprig | Thu | 3 | 2 | <p>1. The characteristics of developing countries in the particular context of the North-South relations for the environment and development</p> <p>2. The concept of "sustainable development" comprised of satisfying the basic human needs of the poor people of the world, especially in developing countries, and of controlling the environmental impacts of the rich people within the carrying capacity of the Earth on the basis of the sense of "our common future"</p> <p>3. Multilateral negotiations at the United Nations with particular reference of sovereignty of States over their natural resources</p> <p>4. The North and the South in global environmental treaties before and after the late 1980s</p> <p>5. Official Development Assistance for the environment: its development and issues</p> <p>6. Environmental impacts of development assistance and foreign direct investments from developed countries</p> <p>7. Bilateral cooperation other than development assistance</p> |
| International relations | English | Undergraduate | | International Relations in the Asia-Pacific | Zhang Yun | Sprig | Wed | 4 | 2 | <p>This course is to introduce and analyze the dynamic international relations in the Asia-Pacific. The Asia-Pacific has emerged as a region of global significance. It houses the world's three biggest economies, the world's largest military power and the world's most populous nation. The Cold War legacies such as the Korean Peninsula issue and the Taiwan problem remind us that the perpetual peace in the region remains to be an open question. At the same time, the interdependence of member countries in the region is increasingly deepening. The Asia-Pacific is such a fluid and dynamic region that it demands continual reappraisal and reconsideration.</p> |
| International relations | English | Graduate | | North-South Relations for the Environment and Development | Haruo Miyata | Fall | Wed | 1 | 2 | <p>This class provides students with opportunities of discussion of international politics, especially North-South relations, over the issues of the environment and development with the following themes:</p> <p>(1) The characteristics of developing countries in the particular context of the environment and development</p> <p>(2) The concept of "sustainable development" in the North-South relations</p> <p>(3) Multilateral negotiations at the United Nations</p> <p>(4) The North and the South in global "environmental" treaties</p> <p>(5) Official Development Assistance for the environment</p> <p>(6) Environmental impacts of development assistance and foreign investments from developed countries</p> |
| Law/Politics | English | Undergraduate | | Development of Environmental Policies of Japan | Haruo Miyata | Sprig | Wed | 5 | 2 | <p>The class reviews the historical changes in the environmental issues, especially pollution, and the associated development of environmental policies of Japan. Students are expected to learn how environmental policies have evolved in the industrial development, citizens' awareness, politics, and international affairs.</p> <p>In this class, the environmental problems are focused on pollution. Destruction or deterioration of natural resources is not intensively discussed to make the development of the policies clearer.</p> <p>This review is done mainly through the OECD's reviews of the Japanese environmental policies done four times, especially the one conducted in 1976-77 and published in 1977 (first), and a few of the annual State of the Environment reports published by the Japanese Government. Many other shorter but important documents are also used. To help students understand the reality, some documents on specific critical environmental problems will also be referred to.</p> |
| Law/Politics | English | Undergraduate | | Environmental Problems and Development of Policies of Japan | Haruo Miyata | Sprig | Intensive | | 2 | <p>The class reviews the historical changes in the environmental issues, especially pollution, and the associated development of environmental policies of Japan. Students are expected to learn how environmental policies have evolved in the industrial development, citizens' awareness, politics, and international relations.</p> <p>In this class, the environmental problems are focused on pollution. Destruction or deterioration of natural resources is not intensively discussed to make the development of the policies clearer.</p> <p>This review is done mainly through the OECD's reviews of the Japanese environmental policies done four times, especially the first review in 1976-77, and a few of the annual State of the Environment reports published by the Japanese Government. Many other shorter but important documents are also used. To help students understand the reality, some documents on specific critical environmental problems will also be referred to.</p> <p>After lectures in the class room, a one-day excursion is organized to learn the experience of Niigata Minamata Disease which was caused by discharge of organic mercury from a chemical plant into a river. It is one of the most tragic pollution incidents in Japan causing many deaths and irreparable serious damages to neural and brain systems, economic difficulties, and human and social problems and still far from complete solution although it is 50 years since the Disease was identified in Niigata.</p> |
| Law/Politics | English | Undergraduate | | The China-Japan-US Trilateral Relations | ZHANG Yun | Fall | Tue | 2 | 2 | <p>This course is to introduce and analyze the dynamic relations among China, Japan and the United States. The China-Japan-US trilateral relations are increasingly to have a profound impact on the future of the international system in the rising Asia-Pacific region and the whole world at large.</p> |

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| Law/Politics | English | Undergraduate | 2nd, 3rd, 4th grader only | Introduction to Japanese Law I , Basic | Katsumi Sawada other | Sprig | Fri | 1 | 2 | |
| Law/Politics | English | Undergraduate | 2nd, 3rd, 4th grader only | Special Lecture (Japanese International Taxation, Basic) | Fumihiro Komamiy | Sprig | Wed | 1 | 2 | This lecture aims at deeping students' understanding about coordination and cooperation among sovereign rights of taxation by states in order to eliminate international double taxation and to deal with international tax avoidance schemes by Multi National Enterprises. |
| Law/Politics | English | Undergraduate | | Introduction to Western Legal System | TBA | Fall | Wed | 2 | 2 | |
| Law/Politics | Chinese | Undergraduate | 2nd, 3rd, 4th grader only | Introduction to Chinese Political System | TBA | Fall | Tue | 2 | 2 | |
| Law/Politics | Chinese | Undergraduate | 2nd, 3rd, 4th grader only | Special Lecture (Introduction to Chinese Political System) | TBA | Fall | Tue | 6 | 2 | |
| Law/Politics | Chinese | Undergraduate | 2nd, 3rd, 4th grader only | Seminar(Introduction to Chinese Politics 2016) | TBA | Fall | Wed | 3 | 2 | |
| Law/Politics | English | Undergraduate | 2nd, 3rd, 4th grader only | Introduction to Japanese Politics, Basic | Yasuki Masui other | Fall | Mon | 3 | 2 | This course will cover Japan-China relations from the 19th century to the present, analyzing the relationship from the perspective of both Japanese and Chinese diplomacy. We will also, of course, reflect on the impact of Japanese and Chinese domestic politics on the bilateral relationship. As we study this diplomatic history, we also discuss current issues in international |
| Law/Politics | English | Undergraduate | 2nd, 3rd, 4th grader only | Special Lecture (Japan's International Relations, Basic) | Yutaka Kanda | Fall | Tue | 1 | 2 | This course aims to provide students with a fundamental understanding of international relations of contemporary Japan. In this course, students examine academic literature relating to post-WW2 international history of Japan and contemporary issues in which Japan is involved. Only English is spoken in classes. |
| Law/Politics | English | Graduate | | Introduction to Japanese Law I | Katsumi Sawada | Sprig | Fri | 1 | 2 | The outline of Japanese law is discussed in this course. This course aims to provide students with basic understanding of Japanese law as a whole from various perspectives and general framework of current Japanese legal system through lectures on different areas of law given by seven instructors. The laws dealt with in this course include tax law, international law, family law, social protection law, information law, competition law and criminal procedure. The course materials will be given by each instructor. |
| Law/Politics | English | Graduate | | Japanese Family Law and Society | Teiko Tamaki | Sprig | Wed | 4 | 2 | The course is aimed to overview an outline of Japanese Family Law by illustrating some history of laws concerning family matters, structure of the current law and the family court system. It also refers to various issues and topics relating to family matters in Japanese society in order to provide participants to study family law from perspectives of law and culture relating to family and civil societies. |
| Law/Politics | English | Graduate | | International Relations of East Asian Regional Integration | ZHANG Yun | Sprig | Tue | 4 | 2 | This course is to introduce and analyze the dynamic international relations in the Asia-Pacific. The Asia-Pacific has emerged as a region of global significance. It houses the world's three biggest economies, the world's largest military power and the world's most populous nation. |
| Law/Politics | English | Graduate | | International Taxation of Japan | Fumihiro Komamiy | Fall | Thu | 2 | 2 | This lecture aims at deeping students' understanding about coordination and cooperation among sovereign rights of taxation by states in order to eliminate international double taxation and to deal with international tax avoidance schemes by Multi National Enterprise(MNE). |
| Law/Politics | English | Graduate | | Japan's International Relations | Yutaka Kanda | Fall | Tue | 1 | 2 | This course aims to provide students with a fundamental understanding of international relations of contemporary Japan. In this course, students will examine academic literature relating to post-WW2 international history of Japan and contemporary issues which Japan is involved. Only English is spoken in classes. |
| Law/Politics | Chinese | Graduate | | Lecture:Chinese Politics | Yasuki Masui | Sprig | Mon | 6 | 2 | To deepen our understanding of Japan-China relations by exploring them from both the Japanese and Chinese points of view, and with the benefit of an understanding of the historic background. 关于中日之间的各种问题,从中日两国的角度思考,在充分了解历史背景的基础上,加深认识。 |
| Law/Politics | English | Graduate | | Introduction to Japanese Politics | Yasuki Masui | Fall | Mon | 3 | 2 | This course will cover Japan-China relations from the 19th century to the present, analyzing the relationship from the perspective of both Japanese and Chinese diplomacy. We will also, of course, reflect on the impact of Japanese and Chinese domestic politics on the bilateral relationship. As we study this diplomatic history, we also discuss current issues in international relations. |

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| Multi-disciplinary | English | Undergraduate | | Japanese Experiences from Various Perspective | Haruo Miyata other | Sprig | Intensive | | 2 | <p>This is one of the two classes of the Summer Course at Niigata University: Lessons from Contemporary Japan as a UMAP Special Student Exchange Program. In accordance with the policy of the Summer Course at Niigata University, this class gives students opportunities to study some lessons of contemporary Japan which may be shared internationally. Also, the class gives opportunities to visit some sites or meet with persons relevant to such lessons so that students can learn the reality.</p> <p>This year's class has one theme for each of the four days and each class is composed by a lecture in a class room and a visit to a place or meeting with persons:</p> <p>(a) Experiences from Regional Disaster Prevention by Prof. FUKUOKA Hiroshi, Research Institute for Natural Hazards and Disaster Recovery of Niigata University. After a lecture, he takes students to natural disaster-related areas, particularly Ojiya Earthquake Disaster Museum and Yamakoshi Village which was seriously hit by an earthquake in 2004. Thus students can learn the reality of natural disasters, how the people who suffered from natural disasters have been making efforts for recovery, and what measures could be taken for prevention or mitigation of impacts of natural disasters.</p> <p>(b) Japanese companies and their management practices by Prof. SAKIKAWA Takashi, Graduate School for Management of Technology. In the morning he discusses the Japanese economy, the Japanese style of management, the business culture, and present a few cases of Japanese companies. Participants are required to read part of his book before the class. Here is the class material: http://www.palgrave.com/resources/sample-chapters/9780230299917_sample.pdf</p> <p>They are also required to choose a company based in their respective countries/regions and to present a short case of the company by proving information on that company, such as its history, products or services, organizations, strategy, and other aspects. Thus, they will need to prepare for their presentation of a short case of their chosen company as well as to read a class material before the class.</p> <p>In the afternoon participants will visit a nearby industrial museum in order to experience the local industry. They will not only learn its history and observe crafts unique to the region, such as cutlery or tableware, but also have a hands-on experience of manufacturing those products.</p> |
| Science | English | Undergraduate | 3rd, 4th grader only | Basic Chemistry I | Kenji Maruyama Hajime Iwamoto Hisaaki Kudo Kazuhiro | Sprig | Wed | 5 | 2 | Fundamental explanation on some fields of chemistry |
| Science | English | Undergraduate | 3rd, 4th grader only | Introduction of Solid State Physics | Yoshiaki Ono Rikio Settai Yuh Yamada Akira Yoshimori | Fall | TBA | TBA | 2 | This course is intended to provide an introduction to the solid state physics. |
| Science | English | Undergraduate | Only for International | Earth System Science | Kouchi Soejima | Fall | Thu | 2 | TBA | This course will cover special topics related to the biological diversity or the material and energy cycles of the Earth. |
| Science | English | Undergraduate | 3rd, 4th grader only | Applied Mathematics and Scientific Computation | LIU XUEFENG | Fall | TBA | TBA | 2 | Started from basic mathematic models such like linear equations, differential equations, optimization problems, we will study the fundamental theories in applied mathematics and the basic algorithms in scientific computing. The programming in solving practical problems will be an important part of this course. |
| Science | English | Undergraduate | Only for International | Basic Geology | SATISH KUMAR | Fall | TBA | TBA | 2 | This lecture aims to have understanding of basic geology. |