

University of Tsukuba

Undergraduate Course Offerings for Exchange Students 2017-2018

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The courses listed in this document are excerpted for exchange students from the computer files of the “*Kaisetsu Jugyo Kamoku Ichiran 2017–18*” (in Japanese), the English title is *University Undergraduate Course Catalog 2017-2018*, with minor revisions. If there are any discrepancies in description between this document and the catalog, this JTP brochure will prevail.

Please also note that since the courses in the catalog were intended to be offered when its publication went to print, they are subject to change at any time at the University's sole discretion. For information on changes in days, times, and locations of classes, please consult your academic service office or the Center for Education of Global Communication.

Key to the Course List: Japanese – English Translation

月 – Monday
火 – Tuesday
水 – Wednesday
木 – Thursday
金 – Friday
集中 – Intensive Course
時限 – Period
随時 – By Request
応談 – By Appointment

The schedule of intensive courses will be available on bulletin boards of the Academic Service Offices prior to or at the beginning of the semester in which the courses are offered. If you need information in advance or wish to clarify doubts, please consult the instructor directly.

The course description of some JTP academic courses is written in Japanese. If you want to know more about these courses, please contact the instructor directly.

Credit Calculation

One(1) unit of credit requires 45 hours of academic work in the context of the course structure, academic outcomes, and self-directed learning other than coursework.

Course Type	Course Hours
Lectures and Seminar	15 hours (1.5 hours per week × 10 weeks)
Foreign Languages	22.5 hours (1.5 hours per week × 15 weeks)
Experiments and Practical Training	30 hours (3 hours per week × 10 weeks)
Physical Education	30 hours (1.5 hours per week × 10 weeks × 2 subjects)

Note: The University of Tsukuba calculates 1 class period (75 minutes) as 1.5 hours. In regard to courses involving practical training or independent study, each school and college assigns a certain number of credits.

Course Offerings According to Semester and Module

Month	April~ May	June~July	August~ September	October~ November	December~ January	February~March		
Semester	Spring Semester				Fall Semester			
Module (5-week units)	Spring A module	Spring B module	Spring C module	Holidays (summer)	Fall A module	Fall B module	Fall C module	Holidays (spring)
Examples of class implementation modules (5 weeks or 10 weeks +final exams)	→	→	→	Summer session etc.	→	→	→	Entrance exam, degree review, etc
Examples of semester modules(15 weeks +final exams)	→				→			

Academic Calendar 2017-2018

(Undergraduate School)

Spring Semester														Fall Semester																						
Pattern 1 (based on modules A ~ C) • 15-week classes for modules A ~ C + final exams							Pattern 2 (based on modules A & B) • 10-week classes for modules A & B + final exams • 5-week classes for module C							Pattern 1 (based on modules A ~ C) • 15-week classes for modules A ~ C + final exams							Pattern 2 (based on modules A & B) • 10-week classes for modules A & B + final exams • 5-week classes for module C															
Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Remarks	Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Remarks			
Apr							1	Apr								1	Spring Recess: Apr 1 - 6	Oct	1	2	3	4	5	6	7	Oct	1	2	3	4	5	6	7	Anniversary of the University: Oct 1		
	2	3	4	5	6	7	8		2	3	4	5	6	7	8	Entrance Ceremony: Apr 7	8		9	10	11	12	13	14	8		9	10	11	12	13	14	Fall Semester Classes Begin: Oct 2			
	9	10	11	12	13	14	15		9	10	11	12	13	14	15	Freshman Orientation: Apr 7 - 12	15		16	17	18	19	20	21	15		16	17	18	19	20	21	※Monday classes will be held on Oct 10.			
	16	17	18	19	20	21	22		16	17	18	19	20	21	22	Spring Semester Classes Begin: Apr 13	22		23	24	25	26	27	28	22		23	24	25	26	27	28	Campus-Wide Power Outage			
	23	24	25	26	27	28	29		23	24	25	26	27	28	29		29		30	31					29		30	31					(Tsukuba campus): Late October (TBA)			
	30								30																											
May		1	2	3	4	5	6	May		1	2	3	4	5	6	※Wednesday classes will be held on May 1.	Nov				1	2	3	4	Nov				1	2	3	4	University Festival: Nov 3 - 5			
	7	8	9	10	11	12	13		7	8	9	10	11	12	13	Spring Sports Day: May 13 - 14		5	6	7	8	9	10	11		5	6	7	8	9	10	11	※Friday classes will be held on Nov 1.			
	14	15	16	17	18	19	20		14	15	16	17	18	19	20	TOEFL ITP® Test (Undergraduate 3rd year): May 20		12	13	14	15	16	17	18		12	13	14	15	16	17	18	Autumn Sports Day: Nov 18 - 19			
	21	22	23	24	25	26	27		21	22	23	24	25	26	27			19	20	21	22	23	24	25		19	20	21	22	23	24	25	※Thursday classes will be held on Nov 24.			
	28	29	30	31					28	29	30	31						26	27	28	29	30				26	27	28	29	30			※Wednesday classes will be held on Nov 27.			
Jun					1	2	3	Jun					1	2	3		Dec						1	2	Dec						1	2				
	4	5	6	7	8	9	10		4	5	6	7	8	9	10	Spring Modules A and B Final Examination Week: Jun 27 - Jul 3		3	4	5	6	7	8	9		3	4	5	6	7	8	9	Fall Modules A and B Final Examination Week: Dec 20 - 26			
	11	12	13	14	15	16	17		11	12	13	14	15	16	17			10	11	12	13	14	15	16		10	11	12	13	14	15	16				
	18	19	20	21	22	23	24		18	19	20	21	22	23	24			17	18	19	20	21	22	23		17	18	19	20	21	22	23				
	25	26	27	28	29	30			25	26	27	28	29	30		24		25	26	27	28	29	30	24		25	26	27	28	29	30	Winter recess: Dec 27 - Jan 8				
Jul							1	Jul								1		Jan		1	2	3	4	5	6	Jan		1	2	3	4	5	6	National Center Test for University Admissions: Jan 13 - 14		
	2	3	4	5	6	7	8		2	3	4	5	6	7	8	※Monday classes will be held on Jul 18.	7		8	9	10	11	12	13	7		8	9	10	11	12	13	※Monday classes will be held on Jan 9.			
	9	10	11	12	13	14	15		9	10	11	12	13	14	15	First Trimester Commencement Ceremony: Jul 25 (for students admitted in the second trimester, etc.)	14		15	16	17	18	19	20	14		15	16	17	18	19	20	※Friday classes will be held on Jan 11.			
	16	17	18	19	20	21	22		16	17	18	19	20	21	22		21		22	23	24	25	26	27	21		22	23	24	25	26	27	※Monday classes will be held on Jan 17.			
	23	24	25	26	27	28	29		23	24	25	26	27	28	29		28		29	30	31				28		29	30	31							
Aug			1	2	3	4	5	Aug			1	2	3	4	5	Spring Modules A, B and C Final Examination Week: Aug 2 - 8	Feb					1	2	3	Feb					1	2	3	Fall A, B and C Modules Final Examination Week: Feb 5, Feb 9 - 15			
	6	7	8	9	10	11	12		6	7	8	9	10	11	12	Spring Semester Classes End: Aug 8		4	5	6	7	8	9	10		4	5	6	7	8	9	10	Fall Semester Classes End: Feb 15			
	13	14	15	16	17	18	19		13	14	15	16	17	18	19	Final Examination Preparation Day: Aug 9		11	12	13	14	15	16	17		11	12	13	14	15	16	17	Final Examination Preparation Day: Feb 16			
	20	21	22	23	24	25	26		20	21	22	23	24	25	26	Summer Recess: Aug 10 - Sep 30		18	19	20	21	22	23	24		18	19	20	21	22	23	24				
	27	28	29	30	31				27	28	29	30	31					25	26	27	28					25	26	27	28				Spring Recess: Feb 17 - Mar 31			
Sep						1	2	Sep							1	2		Mar						1	2	3	Mar						1	2	3	Date of Graduation for the School of Medicine: Mar 9
	3	4	5	6	7	8	9		3	4	5	6	7	8	9	Commencement Ceremony: Sep 25	4		5	6	7	8	9	10	4	5		6	7	8	9	10				
	10	11	12	13	14	15	16		10	11	12	13	14	15	16	Entrance Ceremony for Fall Semester: Sep 29	11		12	13	14	15	16	17	11	12		13	14	15	16	17				
	17	18	19	20	21	22	23		17	18	19	20	21	22	23		18		19	20	21	22	23	24	18	19		20	21	22	23	24	Commencement Ceremony: Mar 23			
	24	25	26	27	28	29	30		24	25	26	27	28	29	30		25		26	27	28	29	30	31	25	26		27	28	29	30	31				

- Notes: 1. Dates in bold indicate national holidays and it includes substitute holidays that is designated by the Act on National Holidays. (Spring Equinox Day is subject to change)
2. Final examination weeks are marked with . Final examination preparation days are marked with
3. Recesses are marked with
4. Entrance ceremony, Freshman orientation and commencement ceremonies are marked with
5. Classes on Monday, November 6 will be recessed due to the University Festival.
6. Classes on Tuesday, November 28 - Thursday, November 30 will also be recessed due to the Examination for University Admissions upon Recommendation (*Suisen nyūshi shiken*) and its related events.
7. Classes on Friday, January 12 and Monday, January 15 will be recessed due to the National Center Test for University Admissions (*Daigaku nyūshi sentā shiken*) and its related events.

JTP Academic Courses

● Spring Semester (April-September 2017)

College of International Studies (国際総合学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Week day and Period	Class Room	Instructor	Course Overview	Remarks
BC11171	Political Philosophy	2.0	2 - 4	SprAB	Tue5,6	3K302	Charles Edward Covell	This course provides an introduction to the work of the classic thinkers who belong to the Western tradition in political philosophy, and in this to meet the basic educational needs of students specializing in the various areas of politics, law and economics. It is recognized that political philosophy is often held to be a subject that presents major difficulties for students. Accordingly, it is proposed to make the review of Western political thinkers as simple as possible and to focus attention on the explanation of the most fundamental of the terms and concepts in Western political thought.	BE22081と同時実施。 Lectures are conducted in English. JTP
BC11351	Globalization and Development	2.0	2 - 4	SprAB	Tue/Fri 4	3K202	Nathan Gilbert Quimpo	This course examines the politics of development in the era of globalization, exploring major issues and problems being encountered and confronted by the developing countries in the contemporary period. There will be lectures, videos, discussions and debates on globalization theory, major development issues, politics in the developing world, and the impact of globalization on developing countries.	BE22471と同時実施。 Lectures are conducted in English. JTP G-course
BC11411	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. BB41601, BE22271, FH21081, and FH25051と同時実施。 Lectures are conducted in English. JTP
BC11461	Public Policy	2.0	2 - 4	SprAB	Thu1,2	3A308	Ioshiaqui Edson Urano	The objective of this course is to provide students with basic knowledge to understand public policies, with special focus on the role of economic and social policies in society.	Limited to 35 students. BB11881 and BE22051と同時実施。 Lectures are conducted in English. JTP G-course
BC11511	Linguistic Anthropology	2.0	2 - 4	SprAB	Tue1,2	3B402	Risako Ide	An introduction to linguistic anthropology, this course explores the relationship between language and culture, especially on how language reflects culture and how culture creates language. Through the lectures, required readings, group discussions, and student projects, we will learn the roles and functions of language in creating universal as well as cultural-specific worldviews.	BE22501と同時実施。 Lectures are conducted in English. JTP (former "Anthropological Linguistics")
BC11881	Japanese Economy	2.0	2 - 4	SprAB	Mon5,6	3B202	Yoshinori Kurokawa	The main purpose of this course is to understand basic historical facts about the Japanese Economy. We analyze those facts both empirically and theoretically and relate most Japanese issues to those in the U.S. The goal of this course for Japanese students is to explain to foreign people about the Japanese economy in English, and that for international students is to be more interested in Japan. As a prerequisite, this course requires BC51061 Introductory Microeconomics and BC51071 International Economics, or equivalent.	BE22221と同時実施。 Lectures are conducted in English. JTP
BC12061	Introductory Econometrics	2.0	2 - 4	SprAB	Tue1,2	3A408	ZHENGFEI YU	This course is an introduction to econometrics. We will begin with the linear regression model and its estimation and inference. Then we will cover linear models with endogeneity, linear panel models, limited dependent variables, and models used in program evaluations. This course prerequisites Introductory Statistics.	BE22231と同時実施。 Lectures are conducted in English. JTP
BC16011	Mathematical Economics	2.0	2 - 4	SprAB	Mon3,4	3A214	Masako Ikefuji	This course introduces students to the most fundamental analytical tools of mathematics for economics. It provides the necessary skills and training to use mathematical approach in economic analysis. The course emphasizes on mathematical approaches to economic theory.	BE22851と同時実施。 Lectures are conducted in English. JTP
BC51571	English Debate	2.0	2 - 4	SprAB	Wed5,6	3A207	Charles Edward Covell	This advanced-level course deals with major, hotly debated issues in the contemporary world, such as the Middle East conflict, US global power, human rights, democratization, nuclear proliferation, gender inequality, global warming and migration. It seeks to deepen the students' understanding and sharpen their analysis of major global "current events" and issues, as well as to develop the students' presentation and debating skills in English.	国際総合学類の学籍番号奇数番の学生のみ対象 Lectures are conducted in English. JTP
BC51581	English Debate	2.0	2 - 4	SprAB	Wed5,6	3A203	Yi Zhu	This course focuses on debate in English of some issues such as education, religion, law system, freedom of speech, globalization, etc. Students are required to prepare their arguments before the class. The weekly session is made up of two parts. In the first part, students will be asked to debate about given topics within groups, and the second part will devote to a in-class debate competition.	国際総合学類の学籍番号偶数番の学生のみ対象 Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Week day and Period	Class Room	Instructor	Course Overview	Remarks
BC12241	International Education	2.0	2, 3	SprAB	Tue3,4	3K404	Masako Shibata	This course invites both overseas and Japanese students. The major purpose of the course is to enable students to learn about issues and current trends in educational studies in international perspectives. It deals with themes, such as development, colonial legacy and global interaction, in education.	BE22521と同時実施。 Lectures are conducted in English. JTP
BC12271	Population and History in Japanese Perspective	2.0	2 - 4	SprAB	Tue/Thu3	3K302	Futoshi Kinoshita	This course is designed to help students gain a better understanding of Japanese society by examining its demographic traits, e.g., past population growth, changes in fertility and mortality, and ageing. The aim of the course is to grasp such traits quantitatively as well as qualitatively. Through the course, students will become familiar with how to measure demographic events, such as birth and death, in an accurate and objective fashion. The topics for measurement include calculating crude rates, total fertility rate and population growth rate, standardization of rates, indirect estimation, and construction of life table. By computing various demographic indices of Japan and comparing them with those of other societies, students will be able to better understand Japanese demographic characteristics from a comparative perspective.	BE22561と同時実施。 Lectures are conducted in English. JTP
BC12291	Social Anthropology	2.0	2 - 4	SprC	Tue/Thu1,2	3A203	Toru Yamada	In this course, you will learn the basic concepts and ideas of anthropology. Anthropology involves the systematic, comparative study of groups of people from all over the world and the knowledge those groups have that defines their cultures. We will draw on what we learn about other cultures to learn something about our own culture(s) and about ourselves.	Lectures are conducted in English. JTP
BC12921	Health Economics	2.0	2 - 4	SprAB	Thu5,6	3B405	Abu Girma Moges	Health Economics is an applied economics course that analyzes issues in health, medical care and health finance. The demand for health and medical care services and the economic behavior of health service providers and the operation of health insurance markets are analyzed with economic tools of analysis and perspectives. The role of the government sector in the provision, regulation and financing of health care services are addressed within the context of health sector policies both in developed and developing countries.	Open every spring semester from 2017 AY BE22861と同時実施。 Lectures are conducted in English. JTP

College of Social Sciences (社会学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Week day and Period	Class Room	Instructor	Course Overview	Remarks
BB11871	Social Issues in Contemporary Japan	2.0	1, 2	SprAB	Wed5,6	3B402	Ioshiaqui Edson Urano	The aim of this course is to analyze the social and economic changes in Japan, with particular focus on changes in the nature of work in society and its implications in Contemporary Japanese society, including complex issues such as migration, foreign workers, ageing society, job hunting, working poor and inequality.	Limited to 35 students. BE21181と同時実施。 Lectures are conducted in English. G-course JTP
BB11881	Public Policy	2.0	2 - 4	SprAB	Thu1,2	3A308	Ioshiaqui Edson Urano	The objective of this course is to provide students with basic knowledge to understand public policies, with special focus on the role of economic and social policies in society.	Limited to 35 students. BC11461 and BE22051と同時実施。 Lectures are conducted in English. G-course JTP
BB41601	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. BC11411, BE22271, FH21081, and FH25051と同時実施。 Lectures are conducted in English. JTP

College of Biological Sciences (生物学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Week day and Period	Class Room	Instructor	Course Overview	Remarks
EB50211	Plant Taxonomy I	1.0	2, 3	SprAB	Fri2	2C404	Ken-ichiro Ishida	Diversity, classification, morphology, ultrastructure, life history and phylogeny of non-green algae — glaucophytes, rhodophytes, cryptophytes, chlorarachniophytes, euglenophytes, dinoflagellates, haptophytes, and stramenopiles.	EG20211と同時実施。 Lectures are conducted in English. JTP
EB51011	Marine Biogeochemistry I	1.0	2, 3	SprC	Intensive	2B411	Masao Ishii, Masahiro Suzumura	This lecture will focus on the physical, chemical and biological environments in ocean with special reference to carbonate system and eutrophication.	EG21011と同時実施。 Lectures are conducted in English. 7/5-7/6 JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
EB62011	Genome Biology I	1.0	2, 3	SprAB	Tue1	2B412	hidekazu kuwayama	Lectures will cover basic knowledge on the structure and function of the genome, as well as technologies for DNA and genome analyses.	EG22011と同時実施。 Lectures are conducted in English. JTP
EB62031	Genome Biology III	1.0	2, 3	SprAB	Wed2	2C107	Yuji Inagaki	Lectures will focus on the structure and evolution of genomes, including molecular phylogeny and comparative genomics.	EG32031と同時実施。 Lectures are conducted in English. JTP
EB64111	Theoretical Ecology	1.0	2, 3	SprAB	Thu1	2D202	Yukihiko Tokunaga(Toque naga)	This course illustrates theoretical aspects of ecology with examples of laboratory experiments to connect mathematical expressions with ecological phenomena in nature.	EG34111と同時実施。 Lectures are conducted in English. JTP
EB72911	Marine Biology I	1.0	2, 3	SprAB	Wed3	2B508	Kazuo Inaba,Sylvain Leonard Georges Agostini	Lecture will give you several topics on physical, chemical and biological properties of ocean to understand the physiology, reproduction, development, biodiversity and ecology of marine invertebrates and fish. This class will especially focus on the following aspects of marine life: life cycle, locomotion, sensory reception, biomineralization, biogeochemical distribution, photosynthesis, respiration, calcification, nitrogen fixation and the impact of climate change. We will give examples of marine organisms under planktonic and benthic conditions and coral reef. The history and present situation of marine biology research will be also included.	EG22911と同時実施。 Lectures are conducted in English. JTP
EB74111	Plant Physiology I	1.0	2, 3	SprAB	Fri1	2B411	Shinobu Satoh,Jun Furukawa,Kenji Miura,Louis John Irving	In this lecture, the relationship between various physiological phenomena and the environmental factors in the life history of higher plant will be overviewed for the understanding from the viewpoint at whole plant to cell levels with adding the latest molecular biological findings.	EG24111と同時実施。 Lectures are conducted in English. JTP
EB74211	Metabolic and Physiological Chemistry I	1.0	2, 3	SprAB	Thu1	2C310	Iwane Suzuki	The main topics for this course will be photosynthetic energy conversion, primary and secondary carbon metabolism including C3, C4 and CAM metabolisms, photorespiration, and mitochondrial respiration.	EG24211と同時実施。 Lectures are conducted in English. JTP
EB83141	Plant Biotechnology I	1.0	2, 3	SprC	Intensive	2B507	Kazuo Watanabe,Akira Kikuchi,Michiyuki Ono	Lectures will cover topics on plant biotechnology including control of flowering time, circadian rhythms, photoperiodic responses, organ size and responses to environmental stresses.	EG33111と同時実施。 Lectures are conducted in English. 7/10-7/11 JTP Who has credit of EB83111 is ineligible.

College of Agro-Biological Sciences (生物資源学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
EC00011	Special Seminar I	1.0	1	SprAB C	by request		Dean and others	Seminar on the special research field for each individual student	JTP学生のみ対象
EC00031	Special Seminar III	1.0	1	SprC, FallA	by request		Dean and others	Seminar on the special research field for each individual student	JTP学生のみ対象
EC00041	Special Seminar IV	2.0	1 - 3	Annual	by request		Dean and others,Nakao Nomura	Seminar on the Special research related with agro-biological resource sciences for each individual student.	JTP EG60431と同時実施。 Lectures are conducted in English.
EC00053	Special Seminar V	2.0	1 - 3	Annual	by request		Dean and others,Nakao Nomura	Field practice on the special research related with agro-biological resource sciences for each individual student.	JTP EG60443と同時実施。 Lectures are conducted in English.

College of Japanese Language and Culture (日本語・日本文化学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
AE12G21	Introduction to Japanese Culture I	1.5	1 - 4	SprAB C	Tue5	2G305	Nobutaka Suzuki	This course is to provide students with a basic knowledge to understand historical development of Japanese culture from the ancient times to the medieval. Special emphasis is placed on how Japan has created her unique religious tradition through accepting Chinese civilization. We will examine how Japanese culture has historically formed over a long period through open and closed diplomatic policy with external world. And we will also focus on the way in which Mahayana Buddhism, originated in India, was introduced to Japan as a foreign ideology, and how its influence has pervaded Japan, resulting in the invention of Japanese Buddhism during the Kamakura period.	This course is taught in English. Lectures are conducted in English. JTP G-course
AE12H11	Formation and Transformation of Contemporary Japanese Society	1.5	2 - 4	SprAB C	Thu5	2G304	Nobutaka Suzuki	This course is to introduce students to the contemporary Japanese society in anthropological perspective. It pays particular attentions to family, community, class and stratification, work and labor, and mass culture.	This course is taught in English. Lectures are conducted in English. JTP G-course

College of Engineering Sciences (応用理工学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
FF00208	Laboratories Research	8.0	1	Annual	by appointment		応用理工学類各教員	A student picks up a laboratory from among all the staff belonging to the school. There he/she studies the engineering aspects of his/her choice by attending seminars, performing experiments, or other practices concerning the engineering study. As a summary, the student is required to write a thesis.	JTP学生のみ対象 JTP
FF00308	Laboratories Research	3.0	1	SprABC	by appointment		応用理工学類各教員	A student picks up a laboratory from among all the staff belonging to the school. There he/she studies the engineering aspects of his/her choice by attending seminars, performing experiments, or other practices concerning the engineering study.	JTP学生のみ対象 JTP

College of Policy Planning Sciences (社会工学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
FH00048	Independent Study A	3.0	1 - 4	Spring Semester	by appointment		社会工学類各教員	The students will do their own research under supervision of faculty members.	JTP学生のみ対象 Lectures are conducted in English. JTP
FH25051	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. BB41601, BC11411, BE22271, and FH21081と同時実施。 Lectures are conducted in English. JTP

College of Engineering Systems (工学システム学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
FG06058	Project	4.0	1	SprABC	by request		工学システム学類各教員	The students will conduct individual research under the supervision of a professor.	JTP only

College of Information Science (情報科学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
GB19968	Directed Research in Computer Science A	4.0	3, 4	SprABC	by appointment		情報科学類全教員	受け入れ教員の指導のもと、特定のテーマについて、研究もしくはミニプロジェクトを行う。	JTP及び学類長が履修を認めた者に限る。80コマに相当する。

● Fall Semester (October 2017-March 2018)

College of International Studies (国際総合学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BC11111	International Labor Law	2.0	2 - 4	FallC	Intensive		Shin Yamada	To begin with getting basic knowledge in "international law" and "social protection", the course will treat the mechanism and context of international labour law and social security.	BB28791 and BE22371と同時実施。 Lectures are conducted in English. JTP G-course
BC11121	International Politics	2.0	2, 3	FallAB	Tue5,6	3A304	Takafumi Ohtomo	This course examines various theories and cases to understand the dynamics of international politics.	BE22071と同時実施。 Lectures are conducted in English. JTP
BC11271	Comparative Public Administration	2.0	2 - 4	FallAB	Tue5,6	3K302	Charles Edward Covell	The purpose of this course is to provide a general introduction to the structure of government and public administration through detailed consideration of the case of the United Kingdom. The emphasis throughout will be on bringing out the first principles underlying the basic machinery of government and public administration, and on doing this in such a way as to make these principles comprehensible to students with only a limited background in the field of comparative public administration.	BE22101と同時実施。 Lectures are conducted in English. JTP
BC11471	Transnational Social Policy	2.0	2 - 4	FallAB	Thu1,2	3B406	Ioshiaqui Edson Urano	Globalization has brought many changes in social life, including increasing flows of financial resources, goods and persons. Among the new challenges these changes pose to governments and civil society is the need to create new social agenda and to develop social policies. The aim of this course is to discuss these challenges for the 21st Century from a transnational perspective	Biennial Course (offered in odd years) Open in an odd number year. BB11861 and BE22401と同時実施。 Lectures are conducted in English. JTP G-course
BC11911	Japanese Foreign Policy	2.0	1 - 3	FallAB	Mon3,4	3B203	Liang Pan	This course examines the historical background of modern Japan's foreign policymaking from early 1890s till the end of the Second World War (1945). Main emphasis of the lectures will be placed on the interaction between Japanese domestic politics and foreign affairs.	Open in an odd number year. BE22031と同時実施。 Lectures are conducted in English. JTP
BC11941	Global Political Economy I	2.0	2 - 4	FallC	Intensive		Mustafa Moinuddin	This course is intended to provide an introduction to global political economy. It deals with understanding the interactions among states, markets, and societal actors. To understand the patterns of these interactions and changes at the global level, an interdisciplinary approach is needed by drawing from international politics as well as international economics. This course focuses on the political problems that associated with the intensification of international economic relations. Topics covered include underlying theoretical perspectives on the global political economy; international trade; international institutions, international monetary and finance structures, international debt and financial crises, and issues relating to globalization including controversies.	BE22201と同時実施。 Lectures are conducted in English. JTP JTP
BC12121	Contemporary Issues in Developing Countries	2.0	2 - 4	FallC	Intensive			The goal of this course is to understand contemporary and important economic and social issues in developing countries. We also analyze statistical data related to the topics.	BB41401 and BE22871と同時実施。 Lectures are conducted in English. JTP
BC12171	Contemporary Culture	2.0	2 - 4	FallC	Tue/Thu1,2	3A306	Toru Yamada	By reviewing ethnographic literature, we will explore how anthropologists analyze globalization. Students are expected to critically analyze how a culture is intertwined with and dependent on other cultures. Through readings, lectures, and class discussion students will acquire knowledge about the cultural, social, and historical approaches that anthropologists have provided to globalization studies and the general field of anthropology.	Lectures are conducted in English. JTP
BC12221	Social Development	2.0	2 - 4	FallAB	Fri5,6	3K404	Yi Zhu	This course discuss the concept and review the literature of business anthropology through examples in the Asia-Pacific region particularly Japan, China and Hong Kong. It examines business not only from management perspectives but also from social perspectives. Different cases aim to show how the business organization and the business custom have been established and been developed in the context of globalization.	BE22451と同時実施。 Lectures are conducted in English. JTP、平成20年度まで「社会開発論II」に相当
BC16021	History of Economic Thought	2.0	2 - 4	FallAB	Thu3,4	3A212	Abu Girma Moges	The course is about the history, philosophy and evolution of economic ideas and thoughts. We review critically the different schools of economic thoughts from the classical to the modern schools to provide students with a comprehensive understanding of the origin, evolution, arguments, and philosophy of economics and the economists behind such powerful ideas.	BE22821と同時実施。 Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BC51071	International Economics	2.0	1	Fall/AB	Thu5,6	3A204	Yoshinori Kurokawa	This course will introduce students to basic international economic theories and their applications to real world data mainly about Japan's international trade and finance. I will emphasize the usefulness of basic international economic theories in understanding international economic issues. This course does NOT require BC51061 Introductory Microeconomics or BC51081 Intro-Intermediate Macroeconomics as a prerequisite. In class, I will explain all necessary background to understand this course.	BE21201と同時実施。 Lectures are conducted in English. JTP
BC51081	Intro-Intermediate Macroeconomics	2.0	2	Fall/AB	Wed1,2	3A207	Hisahiro Naito	This course covers the basic concepts in macroeconomics. Topics include the IS-LM model, aggregate demand, aggregate supply and the Phillips curve, monetary and fiscal policy, rational expectations, real business cycle models, micro foundations, and long-run economic growth.	BE21231と同時実施。 Lectures are conducted in English. JTP
BC51161	Media Politics	2.0	1, 2	Fall/AB	Fri3,4	3A416	Leslie Tkach Kawasaki	From "traditional" media, such as newspapers and television, to new media formats including websites, blogs and social media channels, in this course, students will examine the intersection between media and politics from historical and theoretical perspectives. Special emphasis is placed on the use of the internet and "new media" by political actors for the purpose of effecting political outcomes.	BE21241と同時実施。 Lectures are conducted in English. JTP
BC51181	Introductory Statistics	2.0	1, 2	Fall/AB	Tue1,2	3K404	ZHENGFEI YU	This course is a formal introduction to Statistics. No prior knowledge of probability and statistics is required as all concepts will be developed from the ground up. We will cover a range of topics including descriptive statistics, basics of probability, random variables, distribution and density functions, sampling distributions, point estimation, confidence intervals, and hypothesis testing. If time allows, a preview of the regression analysis will be provided. The details of regression analysis will be covered in Introductory Econometrics, which is a continuation of this course.	2016年度までのBC12031「統計科学」の単位を取得した者は履修不可。 BE22291と同時実施 Lectures are conducted in English. JTP
BC51311	English Discussion Seminar (A)	2.0	1, 2	Fall/AB	Wed5,6	3A409	Risako Ide	The purpose of this introductory course is to help students communicate ideas and meaning clearly in English and discuss effectively topics relevant to international studies as well as intercultural communication. Students will be expected to prepare thoroughly and to participate actively in class.	1st year students: Only College of International Studies Class 1 students can enroll in this class. Other students: Only College of International Studies students with even-numbered student ID numbers can enroll in this class. Class size is limited to 30 students. Lectures are conducted in English. JTP
BC51321	English Discussion Seminar (B)	2.0	1, 2	Fall/AB	Wed5,6	3A304	Jeet Bahadur Sapkota	This introductory course aims to enhance communication and discussion skills of students in English on global issues related to development in the contemporary global context. The course particularly focuses on global development goals, poverty, inequality, health, education, foreign aid, and globalization. Students are required to participate in class discussion and group presentation regularly and write a short discussion paper at the end of the course.	1st year students: Only College of International Studies Class 1 students can enroll in this class. Other students: Only College of International Studies students with even-numbered student ID numbers can enroll in this class. Class size is limited to 30 students. Lectures are conducted in English. JTP
BC51331	English Discussion Seminar (C)	2.0	1, 2	Fall/AB	Wed5,6	3A207	Nathan Gilbert Quimpo	This course deals with major, hotly debated political issues in the contemporary world, such as the worldwide rise of populism, President Trump and his "America First" policy, terrorism and counter-terrorism, the so-called "clash of civilizations", democratization, gender inequality, the territorial disputes in the East and South China Sea, climate change, and migration/refugees. The objectives of the course are to deepen the students' understanding and sharpen their analysis of major global "current events" and to develop the students' proficiency in listening, speaking and engaging in informed discourse in English. The weekly sessions will feature powerpoint presentations by the instructor and teams of students, video documentaries, as well as discussions, debates, role-playing sessions and quiz games involving the whole class.	1st year students: Only College of International Studies Class 2 students can enroll in this class. Other students: Only College of International Studies students with even-numbered student ID numbers can enroll in this class. Lectures are conducted in English. JTP
BC51541	English Discussion Seminar (D)	2.0	1, 2	Fall/AB	Wed5,6	3A209	Yi Zhu	This course provides students with an opportunity to present and discuss their thoughts in the classroom in English. Students are required to submit weekly assignments, actively participate in the group discussion and presentations at the end of Fall semester.	1st year students: Only College of International Studies Class 2 students can enroll in this class. Other students: Only College of International Studies students with odd-numbered student ID numbers can enroll in this class. Class size is limited to 30 students. Lectures are conducted in English. JTP
BC51551	English Discussion Seminar (E)	2.0	1, 2	Fall/AB	Thu5,6	3K301	Charles Edward Covell	This advanced course has no goal other than to encourage the students who attend it to engage with me on a basis of strict equality in the free, open and robust discussion of matters of our mutual concern. To this end, I lay down no set agenda in advance. Instead, I intend that the agenda for the course should be determined through consultation with participating students, and that there should be no prior restrictions placed on the subject—matters to be proposed by students as appropriate for discussion. If it is my personal preference that we discuss issues to do with contemporary politics, then it is also my hope and expectation that we will be able to range widely in the discussion of issues to do with law and economics and issues to do with the arts and media and with culture and society.	1st year students: Only College of International Studies Class 3 students can enroll in this class. Other students: Only College of International Studies students with odd-numbered student ID numbers can enroll in this class. Class size is limited to 30 students. Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BC51561	English Discussion Seminar (F)	2.0	1, 2	FallC	Thu/Fri 3,4	3B208	Leslie Tkach Kawasaki	During this course, students will participate in weekly discussions concerning current events, emphasizing media, politics, and news. We will also do a combination of pairwork exercises and small-group exercises.	1st year students: Only College of International Studies Class 3 students can enroll in this class. Other students: Only College of International Studies students with odd-numbered student ID numbers can enroll in this class. Class size is limited to 30 students. Lectures are conducted in English. JTP
BC12251	Outline of Japanese Education	2.0	2, 3	FallAB	Tue3,4	3K102	Masako Shibata	This course is offered to students who are interested in the historical development of Japanese education. The course looks at the processes of the foundation of the Japanese education system and the formation of a modern state in Japan. Special reference is made to the past and present dimensions of patterns of the cross-national transfer of policy for education. Thus international and comparative perspectives are welcome throughout the course.	BE22551と同時実施。Lectures are conducted in English. JTP
BC12261	Population and Development	2.0	2 - 4	FallAB	Tue/Thu 3	3K301	Futoshi Kinoshita	The course is designed to expose students to various population issues and the field of demography, with emphasis on demographic theories and empirical materials of Asian and European countries. The topics to be covered include historical patterns of population growth, modernization and population, technological progress and population, population and the environment, demographic transition and population policy.	BB11461 and BE22571と同時実施。Lectures are conducted in English. JTP、平成17年度までの「アジアと人口」に相当
BC12301	Personal Computer and Japanese Word Processing	1.0	2 - 4	FallAB	Thu5	3K203	Futoshi Kinoshita	This course is designed to help international students acquire the knowledge and skills of word processing of the Japanese language. Students will get practical experience of word processing through the use of Microsoft WORD, EXCEL and other software packages, and also will learn the rules and formalities of Japanese writing. The course is intended for international students who have such basics as hiragana, katanana and about three hundred (300) kanji.	BE22541と同時実施。Lectures are conducted in English. JTP

College of Comparative Culture (社会学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BB11461	Population and Development	2.0	2 - 4	FallAB	Tue/Thu 3	3K301	Futoshi Kinoshita	The course is designed to expose students to various population issues and the field of demography, with emphasis on demographic theories and empirical materials of Asian and European countries. The topics to be covered include historical patterns of population growth, modernization and population, technological progress and population, population and the environment, demographic transition and population policy.	BC12261 and BE22571と同時実施。Lectures are conducted in English. JTP、平成17年度までの「アジアと人口」に相当
BB11861	Transnational Social Policy	2.0	2 - 4	FallAB	Thu1,2	3B406	Ioshiaqui Edson Urano	Globalization has brought many changes in social life, including increasing flows of financial resources, goods and persons. Among the new challenges these changes pose to governments and civil society is the need to create new social agenda and to develop social policies. The aim of this course is to discuss these challenges for the 21st Century from a transnational perspective	Biennial Course (offered in odd years) Open in an odd number year. BC11471 and BE22401と同時実施。Lectures are conducted in English. G-course JTP
BB28021	Law and Society in Japan	2.0	2	FallAB	Mon3,4	3A305	Miyasaka Wataru	This course is to provide an introduction to law and to the Japanese legal system. The topics covered by this course include the development of Japanese law, the basic structure of Japanese law, criminal and civil law of Japan and future prospects of Japanese law and legal system.	BE21351と同時実施。Lectures are conducted in English. JTP
BB28791	International Labour Law	2.0	2 - 4	FallC	Intensive		Shin Yamada	To begin with getting basic knowledge in "international law" and "social protection", the course will treat the mechanism and context of international labour law and social security.	BC11111 and BE22371と同時実施。Lectures are conducted in English. G-course JTP
BB41401	Contemporary Issues in Developing Countries	2.0	2 - 4	FallC	Intensive			The goal of this course is to understand contemporary and important economic and social issues in developing countries. We also analyze statistical data related to the topics.	BC12121 and BE22871と同時実施。Lectures are conducted in English. JTP

College of Disability Sciences (障害科学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
CE00011	Disability Sciences in Japan	1.0	1, 2	FallA	Intensive		Hisae Miyauchi, Ee Rea Hong	The lecture provides an overview on the current educational provision for children with disabilities and the challenges faced	Lectures are conducted in English. JTP G-course 障害科学類の正規学生も受講できる。

College of Biological Sciences (生物学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
EB09103	Seminar in Biology I: Field Guide to Snow Land Animals in Winter	1.5	1, 2	Spr Vac	Intensive	Sugadaira	Ryuichiro Machida, Kensuke Yahata, Leanne Kay FAULKES	A five-day residential course held at the Sugadaira Montane Research Center. The aim of this course, through animal tracking, bird watching, collecting insects, is to provide genuine experience of the qualities of nature and wild animals in snowy areas.	EG29103と同時実施。 Lectures are conducted in English. 3/5-3/9 JTP
EB09203	Seminar in Biology II: Guide to Seashore Animals and Plants	1.5	1, 2	Spr Vac	Intensive	Shimoda	Shunsuke Yaguchi, Hiroaki Nakano, Shigeki Wada, Sylvain Leonard Georges Agostini	In this course at Shimoda Marine Research Center, students will survey marine animals on a rocky reef, and conduct field collections of planktonic and benthic animals. This will be followed by lectures and laboratory observations, providing a deeper understanding of marine life.	Lectures are conducted in English. 3/12-3/16 JTP
EB50221	Plant Taxonomy II	1.0	2, 3	FallAB	Fri2	2C101	Ken-ichiro Ishida, Takeshi Nakayama	Diversity, classification, morphology, ultrastructure, life history and phylogeny of green plants, including chlorophytes and land plants.	EG30221と同時実施。 Lectures are conducted in English. JTP
EB51021	Marine Biogeochemistry II	1.0	2, 3	FallA	Intensive	2B412	Takeo Hama, Shigeki Wada, Yuko Oomori	This lecture will focus on the biogeochemical cycle of carbon with special reference to the production, transformation and decomposition of organic matter in ocean.	EG31021と同時実施。 Lectures are conducted in English. 10/14-10/15 JTP
EB59101	Protistology	1.0	2 - 4	FallC	Fri2,3	2C310	Ken-ichiro Ishida, Yosuke Degawa, Osamu Numata, Hidekazu Kuwayama, Shinichi Miyamura	Topics in protistology. Cellular evolution, cell biology, sex and reproduction, phylogeny and ecology of protists will be the subjects of this lecture.	EG39101と同時実施。 Lectures are conducted in English. JTP
EB60014	Programming I	1.0	2, 3	FallAB	Thu1	2D202	Yukihiko Tokunaga (Toque naga)	In this lecture, students learn programming techniques for manipulating a variety of data. They will also learn simulation techniques with individual-based models. The programming language used is Ruby.	EG20014と同時実施。 Lectures are conducted in English. JTP
EB64021	Biometry II	1.0	2, 3	FallAB	Fri3	2D202	Yukihiko Tokunaga (Toque naga)	This lecture introduces the dark side of statistics. Starting with randomization techniques, students learn relationships among different domains of statistical ideas: parametric, nonparametric, null hypothesis significance testing, information-theoretic methods, and the Bayesian methods.	EG34021と同時実施。 Lectures are conducted in English. JTP
EB71131	Molecular Biology III	1.0	2, 3	FallAB	Thu3	2B412	Tomoki Chiba	Proteins are in a dynamic state, which is regulated by protein synthesis and degradation pathways. Each protein is degraded in a degree of selectivity, and its regulation is essential for the cell homeostasis and viability. In this class, we will learn the latest findings on the molecular mechanism of selective protein degradation and its physiological importance.	EG35131と同時実施。 Lectures are conducted in English. JTP
EB72131	Molecular Developmental Genetics	1.0	2, 3	FallAB	Fri3	2B208	Katsuo Furukubo Tokunaga	Study of the mechanism of development is one of the most fascinating areas in current biology. This lecture focuses on the genetic programs that are conserved from fly to human beyond apparent morphological diversity. It also introduces fundamental aspects of nervous system development including network and synaptic plasticity that are essential to higher brain functions such as memory.	EG35031と同時実施。 Lectures are conducted in English. JTP
EB72921	Marine Biology II	1.0	2, 3	FallAB	Wed3	2B508	Kazuo Inaba, Yasunori Sasakura, Shunsuke Yaguchi, Kogiku Shiba, Hiroaki Nakano, Shigeki Wada, Koetsu Kon, Takeo Horie, Sylvain Leonard Georges Agostini	Lecture will provide several topics on marine organisms, including fertilization, cilia and flagella, gene-manipulation, development, self-non-self recognition, evolution, animal behavior, population ecology and marine environment. The teaching staff of Shimoda Marine Research Center will tell you about recent progress of their own research.	EG32921と同時実施。 Lectures are conducted in English. JTP
EB74131	Plant Physiology II	1.0	2, 3	FallAB	Fri1	2B411	Hiroaki Iwai, Takuya Suzuki	This lecture introduces several important topics for your further understanding of plant physiology, which includes recent advances in the research of vegetative and reproductive development, and symbiosis with microorganisms in higher plants.	EG34131と同時実施。 Lectures are conducted in English. JTP
EB74221	Metabolic and Physiological Chemistry II	1.0	2, 3	FallAB	Thu1	2C310	Iwane Suzuki, Louis John Irving	Nitrogen metabolism, sulfur metabolism, metabolic regulatory mechanisms and the function of trace metals in cellular metabolism are main topics. The main topics for this course will be acclimation process of cellular and energy metabolisms response to the changes in intracellular and extracellular environments. It will be discussed about response and regulations of gene expression, enzymatic reaction, transport and signal transduction system.	EG34221と同時実施。 Lectures are conducted in English. JTP Who has credit of EB74231 or EG34231 is ineligible.
EB82131	Chemical Ecology	1.0	2, 3	FallAB	Fri4	2C107	Yooichi Kainoh, Shigeru Matsuyama, Keiko Yamaji, Seichi Furukawa, Natsuko Kinoshita	This lecture introduces chemical aspects of relationships between individual insects, animals, plants and microorganisms of the same (pheromone) or different (allelochemicals) species.	EG32131と同時実施。 Lectures are conducted in English. JTP
EB83161	Biotechnology Literacy	1.0	2, 3	FallC	Intensive	2B508	Kazuo Watanabe, Akira Kikuchi, Michiyuki Ono, Tatchi Oguchi	Topics covering ethical, legal and social issues in life & environmental sciences.	EG23131と同時実施。 Lectures are conducted in English. 1/9, 1/11 JTP CDP G-course EB83131修得者の履修は認めない。

College of Agro-Biological Sciences (生物資源学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
EC00021	Special Seminar II	1.0	1	Fall/AB C	by request		Dean and others	Seminar on the special research field for each individual student	JTP学生のみ対象
EC00031	Special Seminar III	1.0	1	SprC, Fall/A	by request		Dean and others	Seminar on the special research field for each individual student	JTP学生のみ対象
EC00041	Special Seminar IV	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Seminar on the Special research related with agro-biological resource sciences for each individual student.	JTP EG60431と同時実施。 Lectures are conducted in English.
EC00053	Special Seminar V	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Field practice on the special research related with agro-biological resource sciences for each individual student.	JTP EG60443と同時実施。 Lectures are conducted in English.
EC31251	Cell Structure and Function	1.0	3	Fall/AB	Fri5	2B309	DeMar Taylor	Lectures and discussions will concentrate on cell structure and function as related to 1) membranes, 2) mitochondria, 3) chloroplasts, 4) intracellular transport, 5) cell communication, 6) cell cycle and 7) cell communities.	Use English Textbook EG50031と同時実施。 Lectures are conducted in English. JTP

College of Japanese Language and Culture (日本語・日本文化学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
AE12G31	Introduction to Japanese Culture II	1.5	1 - 4	Fall/AB C	Tue5	2G205	Nobutaka Suzuki	This course is to explore Japanese cultural tradition through anthropological analysis. Special emphasis is on how change and continuity have taken place in Japan. We will examine the way in which its interplay has caused further diversification of Japanese everyday's life by focusing on family, aged group, community life, life cycle, gender, and ancestor worship. Video-viewing is also scheduled.	This course is taught in English. Lectures are conducted in English. JTP G-course
AE80A83	Study Tour on Japanese Culture	1.5	1	Fall/A	Intensive		Nobutaka Suzuki	This course is to familiarize international students with arts, crafts, gardens and museums of Ibaraki. Students will visit places of cultural and historical interest, and learn how Japanese culture at first hand. The course consists of one orientation lecture and two field trips a whole day. For the trip, students will visit Kasama City and Yuuki City, where they will respectively experience traditional pottery-making and hand-weaving.	JTP students only. This course is taught in English. 人数制限あり。 Lectures are conducted in English. JTP

College of Engineering Sciences (応用理工学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
FF00208	Laboratories Research	8.0	1	Annual	by appointment		応用理工学類各教員	A student picks up a laboratory from among all the staff belonging to the school. There he/she studies the engineering aspects of his/her choice by attending seminars, performing experiments, or other practices concerning the engineering study. As a summary, the student is required to write a thesis.	JTP学生のみ対象 JTP
FF00408	Laboratories Research	3.0	1	FallABC	by appointment		応用理工学類各教員	A student picks up a laboratory from among all the staff belonging to the school. There he/she studies the engineering aspects of his/her choice by attending seminars, performing experiments, or other practices concerning the engineering study.	JTP学生のみ対象 JTP

College of Policy Planning Sciences (社会工学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
FH00058	Independent Study B	3.0	1 - 4	Fall Semester	by appointment		社会工学類各教員	The students will do their own research under supervision of faculty members.	JTP学生のみ対象 Lectures are conducted in English. JTP

College of Engineering Systems (工学システム学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
FG06041	Engineering System Special Lecture	1.0	1	FallABC	Wed3	3A213	Noriyuki Hori,Hideaki Kuzuoka	This course will review some introductory topics relevant to engineering, such as human-computer interaction, measurement, and control.	JTP only
FG06068	Project	4.0	1	FallABC	by request		工学システム学類各教員	The students will conduct individual research under the supervision of a professor.	JTP only

College of Information Science (情報科学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
GB19978	Directed Research in Computer Science B	4.0	3, 4	FallABC	by appointment		情報科学類全教員	受け入れ教員の指導のもと、特定のテーマについて、研究もしくはミニプロジェクトを行う。	JTP及び学類長が履修を認めた者に限る。80コマに相当する。

College of Medical Sciences (医療科学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
HE11023	Biology: Laboratory	0.5	1	FallA	Fri4,5	4B113	Manabu Matsuda,Hideo Masu	This course is aimed to make students acquire basic methods and practice skills on biological research enough to study medical sciences further.	医療科学類学生に限る。 HE40173と同一。Bilingual (English/Japanese) JTP
HE12023	Physics: Laboratory	0.5	1	FallA	Thu4,5	Joint Use Build.B105	Takeji Sakae,Hiroaki Kumada,Kiyoshi Yasuoka,Toshiyuki Terunuma,Tomori Isobe	To acquire basic and fundamental skills of observing and recording physics phenomena and analyzing the data.	医療科学類学生に限る Bilingual (English/Japanese) JTP
HE20013	Practice of Human Anatomy	1.0	1	FallA	Mon4,5 Tue4,5	4B113	Takashi Shiga,Tomoyuki Masuda	To understand the structure of the human body including the cells and tissues, with special reference to the function.	医療科学類学生に限る。 HE40183と同一。Bilingual (English/Japanese) JTP
HE20053	Practice of Biochemistry	1.0	1	FallBC	Fri3,4 Intensive	4B211	Koji Hisatake,Manabu Matsuda,Aya Fukuda,Ken Nishimura,Youhei Hayashi	Students are expected to learn the methods for separating biological materials and analyzing them in a qualitative as well as quantitative manner. They also learn the basic knowledge and techniques to analyze biological phenomena at the molecular level, and to present their results.	医療科学類学生に限る。 Course schedule: Nov 16,17,24 Dec 1,8,15/ Jan 19,26/ Feb 2,9 Bilingual (English/Japanese) JTP
HE21033	Practice of Microbiology	1.0	1	FallBC	Intensive	4B112	Kazuya Morikawa,Shinji Saito	This course covers a variety of microbiological techniques, including sterile technique and microscopy, with experiments designed to illustrate fundamental concepts of bacteriology. Students will be engaged in achieving basic bacteriological techniques, and understanding some fundamental characteristics of bacteria.	医療科学類学生に限る。 HE40033と同一。 Course schedule: Jan 29,30,31 Feb 1,5,6,7,8,13,14 Bilingual (English/Japanese) JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
HE22031	Mastering the TOEFL Test	1.0	2	SprBC	Wed5	4B116	Thomas Mayers	This course focuses on giving students skills necessary to improve their TOEFL ITP score practical advice, useful tips, and practice. We will focus on 3 key areas: listening comprehension, structure and written expressions, and reading comprehension. Another goal of the course is to build up the students' academic English vocabulary that they will encounter in a TOEFL test and improve students' understanding of English texts in general.	医療科学類学生に限る。平成28年度以前入学生は自由科目として履修できる。Lectures are conducted in English. JTP
HE23033	Practice of Medical Engineering	1.0	1	FallBC	Intensive	Joint Use Build.B105	Hirotohi Miyoshi, Keiko Ookawa	Characteristics of basic electric circuits used for the measurements of biological signals are understood by constructing these circuits and by measuring the characteristics. The methods to analyze and present experimental data as well as principles of medical devices are learned by preparing reports.	医療科学類学生に限る HE40193と同一。Course schedule: Jan 9-11,16-18,22-25 Bilingual (English/Japanese) JTP
HE24001	Basis of Reading of English Literatures on Medical Sciences	1.5	3,4	SprA SprB	Mon1 Mon1 Wed1	4B209	Kazuya Morikawa, Emiko Noguchi, Akira Koike, Kazuko Shibuya, Tsukasa Nabekura, Aya Fukuda, Yukinori Kouzuma, Yuji Funakoshi	Reading and understanding the scientific literature written in English is essential for scholar to obtain information and make discussion with scientists. This subject is aimed to form the basic behavior and manner to present the knowledge obtained by reading the literature to other colleagues.	英語で授業。 医療科学類学生3・4年次(国際医療科学主専攻を含む)に限る、2年次生の履修は事前に担当教員の了承を要する Lectures are conducted in English. JTP
HE40231	Clinical pharmacology	1.0	3	SprC	Wed3 Thu3	Medical Science Innovation on build.301	Yasunori Kanaho, Norihiko Oobayashi, Tadayoshi Hayata, Yuji Funakoshi	<ul style="list-style-type: none"> Learn mechanisms of action of drugs practically used in clinical medicine. Through the study of drug actions, you will learn various biological functions in the human body as well as side effects, deleterious effects and effectiveness of drugs. Understand pathophysiology of major disorders through the concepts of drug therapies. 	Lectures are conducted in English. JTP
HE30033	Practice of Clinical Pharmacology	1.0	3	FallA	Wed4,5 Thu3,4	4B112	Yasunori Kanaho, Norihiko Oobayashi, Yuji Funakoshi, Kouichi Hashimoto, Yoshio Nakata, Naohiro Katagiri, Keiko Fujie	<ul style="list-style-type: none"> Observe biological functions in the animal and understand mechanisms of action of drugs. Develop basic pharmacological principles you have studied to learn theory and practice of drug therapy in clinical medicine. Experience the process of clinical trials through group studies and role plays to understand importance of clinical trials in drug development. 	医療科学類学生に限る。 HE40233と同一。Bilingual (English/Japanese) JTP
HE31013	Histopathology Practice	2.0	2	FallA FallBC	Wed3,4 Tue3-5	4B113	Michio Nagata, Noriko Uesugi, Yukinori Kouzuma, Aya Shiba	<p>Aim of this class is to learn the role of "a technician" and the technical skill needed in hospital pathology laboratory. This course provides the procedures for preparing and optimizing the human tissue samples for microscopic analysis. The students will use human tissue and make the very thin tissue section on a glass slide, and stain by specific solution/procedure to examine human tissue at a cellular level. The students need to learn the background theory of these procedures. Six to seven students learn by group and each group will do several easy experiments to reveal the meaning of every procedure and discuss the results for presentation. Each student has to submit a report until the dead line. For cytology, hospital cytologists will teach the procedures and the theory for cell preparation and explain how to understand cell pathology. The students will perform cell preparation obtained from human bodies and experience basic cytological diagnosis. Students should sketch the tissue/cell features observed.</p> <p>After the course, the students would be able to understand followings.</p> <ol style="list-style-type: none"> Understand the practice of hospital pathology laboratory and the role of a technician. Understand the procedures of human tissue preparation and be able to perform them. Explain the theory of each procedure. Able to do basic cytopathology diagnosis. 	医療科学類学生に限る。 HE40023と同一。Bilingual (English/Japanese) JTP
HE31043	Practice of Clinical Hematology	1.0	2	SprC FallA	Thu4,5	4B113	Haruhiko Ninomiya, Yukinori Kouzuma	<ul style="list-style-type: none"> Measuring Hb, Ht, RBC, WBC enumeration, Wintrobe's Index, ESR, WBC differentiation, PB film prep, Romanovsky stain, NAP, MPO, NSE Technique & knowledge to make diagnosis of hematologic disorders (PB, BM film) 	医療科学類学生に限る HE40013と同一。Bilingual (English/Japanese) JTP
HE32013	Practice of Clinical Biochemistry	2.0	2	FallAB FallC	Mon3-5 Mon3,4	4B211	Junichi Shouda, Yomishi Nakagawa, Kazuyoshi Yamachi, Fumio Yoshida	Analyze the biochemical components in blood according to the experimental protocols. Evaluate the results taking into account the analytical and physiological change factors.	医療科学類学生に限る HE40043と同一。Bilingual (English/Japanese) JTP
HE41241	Genetic Testing and Chromosome Analysis	1.0	3	SprC	Thu4,5	Innovation on bid.701	Emiko Noguchi	Students will learn the basic knowledge of DNA, chromosome and genetics of the diseases through lectures and e-learning. The date of the classes will be announced. The instructor will provide materials (handout, text and e-learning materials) and students are expected to learn the materials prior to the class. At the class, the instructor and students will discuss the contents of the materials provided and students will take short tests.	Lectures are conducted in English. JTP
HE32053	Practice of Genetic Testing	1.0	3	SprA	Intensive	4B112	Emiko Noguchi, Hiroko Miyadera	In this course, students will learn mutation analysis of DNA in human, DNA cloning method, and chromosome analysis. Students will also learn how to get genome information by using public database.	医療科学類学生に限る。 HE40243と同一。 Bilingual (English/Japanese) JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
HE33023	Practice of Clinical Microbiology	1.5	3	SprAB	Intensive	4B112	Kazuya Morikawa,Shiriji Saito,Yukinori Kozuma	This course covers practical medical-microbiology techniques. Students will learn fundamental techniques in clinical microbiology, including identification methods of pathogenic bacteria, measurement of antibiotics effect, and observation of parasites etc.	医療科学類生に限る。平成24年度以降入学者用 Bilingual (English/Japanese) JTP
HE33033	Practice of Virology	0.5	3	SprA	Intensive	4B112	Atsushi Kawaguchi,Kaoru Takeuchi,kousuke Kato,Shouko Saito,Mitsuru Okuwaki	The aim of this practice is to learn the basis of virus infection and basic diagnosis methods of infective diseases. For this aim, influenza viruses and bacteriophages will be used.	医療科学類生に限る。 HE40223と同一。 Bilingual (English/Japanese) JTP
HE40201	Immunology	2.0	3,4	Fall AB	Mon1,2	Innovation bld. 602	Akira SHIBUYA	Students will learn hot topics and techniques in molecular immunology fields.	Lectures are conducted in English. JTP
HE33053	Practice of Immunology	1.0	3	SprA	Intensive	4B112	Kazuko Shibuya,Satoko Tahara,Chigusa Oda,Yumi Kanemaru,Fumiyo Yoshida	In this course, students will learn the principle and the basic technique of immunological test.	医療科学類生に限る。 HE40203と同一。 Bilingual (English/Japanese) JTP
HE34033	Practice of Medical Imaging Technology	1.0	3	FallA	Tue3-6	Medical Education and Training Center etc.	Tomonori Isobe and others	<ul style="list-style-type: none"> Learn ultrasound techniques and imaging through a practice with abdominal ultrasound diagnostics. Learn magnetic resonance (MR) techniques and imaging through a practice with head MR diagnostics. Learn human anatomy through a practice of constructing three dimensional image. Learn how diagnostic images are used in radiation therapy. 	医療科学類生に限る Bilingual (English/Japanese) JTP
HE40061	English Communication for Medical Sciences I	3.0	3	SprAB	Intensive	4B119	Kouji Hisatake,Kenji Irie,Norihiko Oobayashi,Yuichi Hasegawa,Takashi Matsuzaka,Koshida Ryusuke,Mitsuru	This course covers a variety of medical science research topics. Students will learn basic concepts, methodology, and scientific thinking through each research topic.	医療科学類国際医療科学専攻学生に限る。 英語で授業。 Lectures are conducted in English. JTP
HE40071	English Communication for Medical Sciences II	3.0	3	FallA FallB	Fri5,6 Tue5,6 Fri5,6	4B119	Ma Enbo,Yumi Kanemaru,Hiroyki Suzuki,Masafumi Muratani,Osamu Ooneda,Naoyuki Tsuchiya,Takeji Sakae	This course covers a variety of medical science research topics. Students will learn basic concepts, methodology, and scientific thinking through each research topic.	医療科学類国際医療科学専攻学生に限る。 英語で授業。 Lectures are conducted in English. JTP
HE40081	Topics in Medical Sciences I	1.0	3	FallAB	Intensive	4B119	Kiong Ho,Kouji Hisatake	This course provides students with the opportunity to make presentations and discussions on medical science topics.	医療科学類国際医療科学専攻学生に限る。 英語で授業。 Course schedule: Oct24,31 Nov7,9,14,16,21 Dec12,14,19 Lectures are conducted in English. JTP
HE40091	Topics in Medical Sciences II	1.0	4	SprAB	Tue4	4B119	Kouji Hisatake	This course provides students with the opportunity to make presentations and discussions on medical science topics.	医療科学類国際医療科学専攻学生に限る。 英語で授業。 Lectures are conducted in English. JTP
HE40263	Seminar on Medical Sciences	1.0	3	SprABC	by request		Hirotohi miyoshi	In this course, students will learn the basic knowledge and background related to their own research by reading and summarizing scientific papers.	国際医療科学専攻G30コース学生に限る。 英語で授業。 Lectures are conducted in English. JTP
HE40252	Research Seminar	4.0	3	SprABC	by request		Hirotohi miyoshi	Students will choose a lab from a variety of fields in medical sciences based on their own research interests. Students will participate in research seminars, learn basic techniques in research, and develop their own research project under the guidance of the mentor.	国際医療科学専攻G30コース学生に限る。 英語で授業。 Lectures are conducted in English. JTP
HE40273	Graduation Research	8.0	4	SprABC	by request		Hirotohi miyoshi	The aim of this course is to learn the knowledge of medical sciences and problem-solving skills through a research in laboratories. The students can select their theme from a variety of fields in medical sciences based on their own interests.	国際医療科学専攻G30コース学生に限る。 英語で授業。 Lectures are conducted in English. JTP
HE40131	Clinical Hematology	2.0	3,4	FallAB	Mon4,5	4B209	Haruhiko Ninomiya	<ul style="list-style-type: none"> To understand the components & physiological function of blood; the mechanism of hematopoiesis and its regulation. To understand the pathophysiology of major hematological disorders. To understand the principles and methods of tests required for diagnosis of hematological disorders. 	英語で授業。 Lectures are conducted in English. JTP
HE40141	Coagulation and Fibrinolysis	1.0	3,4	FallC	Mon4,5	4B209	Haruhiko Ninomiya	<ul style="list-style-type: none"> To understand the regulatory mechanisms of coagulation and fibrinolysis. To understand the condition of the bleeding and thrombotic disorders due to the disruption of the hemostasis. To understand the diagnostic tests and techniques to diagnose the disruption of the hemostasis. 	英語で授業。 Lectures are conducted in English. JTP
HE40151	Clinical Pathophysiology	2.0	3,4	FallAB	Tue1,2	4B209	Haruhiko Ninomiya	<ul style="list-style-type: none"> To obtain the basic knowledge about the pathophysiology of major disorders. 	英語で授業。 Lectures are conducted in English. JTP
HE40161	Topics in Vascular Biology	1.0	3,4	Fall AB	Intensive		Hiroki Yanagisawa	To provide basic knowledge and understanding of vascular biology, ranging from normal vascular development and physiology to molecular mechanisms in vascular diseases, as well as novel diagnostic and therapeutic approaches. The course aims to solicit active participation of students in lectures and journal clubs.	医療科学類生に限る 英語で授業。 Lectures are conducted in English. JTP

Multidisciplinary Subjects(Japanese) 共通科目等(日本語)

These subjects are established for international students or returnee students who have attended secondary education in a foreign country for a considerable period of time. The lectures are given in Japanese. Those students who wish to attend the courses listed below should consult instructors before registration.

外国人留学生及び外国において相当の期間、中等教育を受けた学生（帰国生）を対象に設けられた科目で、日本語による講義です。受講を希望する人は履修登録をする前に担当教員に相談してください。

● Spring Semester (April-September 2017)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
3910312	日本語聴解IA	1.0	1・2	春ABC	火5	9P209	酒井 たか子	大学の授業に必要な聴解能力の訓練を行う。聞いて理解できる語彙・表現を増やすとともに、テーマ、話の流れ、要点をつかむ練習を中心に行なう。	学群正規生の留学生1・2年次が対象。日本語聴解A修得済みの者は履修できない。
3910412	日本語読解IA	1.0	1・2	春ABC	月4	9L101	小野 正樹	大学の授業に必要な読解能力の訓練を行う。春学期は特に要約を行う。毎週授業内で課題を課す。	学群正規生の留学生1・2年次が対象。日本語読解A修得済みの者は履修できない。
3910512	日本語作文IA	1.0	1・2	春ABC	木5	9P209	杉浦 千里	短作文練習と宿題のフィードバックと講義を通して、小論文の構成や表現を学び、作文力を身につける。	学群正規生の留学生1・2年次が対象。日本語作文A修得済みの者は履修できない。
3910612	日本語演習IA	1.0	1・2	春ABC	水4	9P209	平形 裕紀子	大学生活に必要な公の場における日本語でのコミュニケーション能力、基礎的な口頭発表能力を身につけることを目的とし、ディスカッション及びプレゼンテーションを重視したプロジェクトワークを行う。また、問題提起から問題解決に至る方法を協同的、自律的に学ぶ。	学群正規生の留学生1・2年次が対象。日本語演習IA修得済みの者は履修できない。
3910712	日本語演習III A	0.5	1・2	春C	集中	9L101	山田 野絵	大学生活に必要な公の場におけるコミュニケーション能力を身につける。(コミュニケーション能力を中心に)	学群正規生の留学生1・2年次が対象。7/7, 7/14, 7/21, 7/28 4-5 限 日本語演習III A修得済みの者は履修できない。

● Fall Semester (October 2017-March 2018)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
3910322	日本語聴解IIB	1.0	1・2	秋ABC	火5	9P209	酒井 たか子	大学の授業に必要な聴解能力の訓練を行う。聞いて理解できる語彙・表現を増やすとともに、内容の正確な聞き取り、要点を整理しながら聞き、まとめる練習を中心に行なう。	学群正規生の留学生1・2年次が対象。日本語聴解B修得済みの者は履修できない。
3910422	日本語読解IIB	1.0	1・2	秋ABC	月4	9L101	小野 正樹	大学の授業に必要な読解能力の訓練を行う。秋学期は特に関連資料の収集との比較を行う。毎週授業内で課題を課す。	学群正規生の留学生1・2年次が対象。日本語読解B修得済みの者は履修できない。
3910522	日本語作文IIB	1.0	1・2	秋ABC	木5	9P209	杉浦 千里	短作文練習と宿題のフィードバックと講義を通して、レポートの構成や表現を学び、作文力を身につける。	学群正規生の留学生1・2年次が対象。日本語作文B修得済みの者は履修できない。
3910622	日本語演習IIB	1.0	1・2	秋ABC	水4	9P209	平形 裕紀子	大学生活に必要な公の場における日本語でのコミュニケーション能力、基礎的な口頭発表能力を身につけることを目的とし、ディスカッション及びプレゼンテーションを重視したプロジェクトワークを行う。また、問題提起から問題解決に至る方法を協同的、自律的に学ぶ。	学群正規生の留学生1・2年次が対象。日本語演習IIB修得済みの者は履修できない。
3910722	日本語演習IV B	0.5	1・2	秋C	集中	9L101	山田 野絵	大学生活に必要な公の場におけるコミュニケーション能力を身につける。(論理的思考力を中心に)	学群正規生の留学生1・2年次が対象。1/11, 1/19, 1/26, 2/2 4-5 限 日本語演習IV B修得済みの者は履修できない。

Japanese Language Courses

● Spring Semester (April-September 2017)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
3901072	Comprehensive Japanese 4 Grammar A	1.0	1	SprAB C	Tue4	9L101	Shingo Imai	初中級レベルの文法を学び、使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901092	Comprehensive Japanese 4 Speaking and Listening A	1.0	1	SprAB C	Fri4	9P103	Yasushi Koike	身近なテーマや話題に関する簡単な発話を正確に聞き取れるようになる。簡単な発表とその聞き取りができるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901112	Comprehensive Japanese 4 Reading and Writing A	1.0	1	SprAB C	Thu4	9L101	Kenichi Nakayama	よく知っている事柄について、まとまりのある文章が読めたり、書けたりするようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901132	Comprehensive Japanese 5 Grammar A	1.0	1	SprAB C	Tue3	9L101	Shingo Imai	中級前半レベルの文法を学び、使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901152	Comprehensive Japanese 5 Speaking and Listening A	1.0	1	SprAB C	Fri3	9P103	Yasushi Koike	身近な話からやや専門性の高いものを聞き、理解したこと、考えたことを的確に口頭で伝え、自分の意見を話すことができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901172	Comprehensive Japanese 5 Reading and Writing A	1.0	1	SprAB C	Thu3	9L101	Shinobu Yanagita	身近な話からやや専門的な事柄について、まとまりのある文章が読めたり、書けたりするようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901192	Comprehensive Japanese 1A	4.0	1	SprAB C	Tue·Wed·Thu·Fri4	9P102	Masaki Ono	初歩的な日常場面でのコミュニケーションができるようになる。話す・聞くの技能においては、単文や簡単な複文が理解でき、単文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字で極簡単な文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901212	Comprehensive Japanese 2A	4.0	1	SprAB C	Tue·Wed·Thu·Fri2	9P209	Masaki Ono	日本語・日本文化の理解を深めながら、必要な情報をとることなど日常的な場面でのコミュニケーションができるようになる。話す・聞くの技能においては、複文や簡単な段落レベルで理解でき、複文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字でやや長いまとまりのある文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901232	Comprehensive Japanese 3A	4.0	1	SprAB C	Tue·Wed·Thu·Fri3	9P102	Mitsuko Kido	日本語・日本文化の理解を深めながら、日常的な場面でのコミュニケーションができるようになる。話す・聞くの技能においては、複文や簡単な段落レベルで理解でき、複文や段落で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字でやや複雑な文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901252	Comprehensive Japanese 4 Seminar A	1.0	1	SprAB C	Wed4	9L101	Makiko Kobayashi	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901272	Comprehensive Japanese 5 Seminar A	1.0	1	SprAB C	Wed3	9L101	Minako Nagato	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901292	Comprehensive Japanese 6 Grammar A	1.0	1	SprAB C	Tue2	9L101	Yukiko Hirakata	中級後半~上級レベルの文法を学び、使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901312	Comprehensive Japanese 6 Speaking and Listening A	1.0	1	SprAB C	Fri2	9L101	Keiko Hori	やや専門的な内容の解説やスピーチができ、また聞いて理解できるようになる。また対人関係に基づく表現を正確に使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901332	Comprehensive Japanese 6 Reading and Writing A	1.0	1	SprAB C	Thu2	9L101	Kenichi Nakayama	やや専門性の高いものを読み、理解したこと、考えたことを的確に口頭および文章で伝えることができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901352	Comprehensive Japanese 6 Seminar A	1.0	1	SprAB C	Wed2	9P201	Cade Conlan Bushnell	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901372	Comprehensive Japanese 7 Grammar A	1.0	1	SprAB C	Tue1	9L101	Yukiko Hirakata	上級レベルの文法を学び、使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901392	Comprehensive Japanese 7 Speaking and Listening A	1.0	1	SprAB C	Fri1	9L101	Takako Sakai	社会文化に関する話題について、その内容を理解する。内容をまとめ、それについて自分の意見を他者にわかりやすく説明することができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
3901412	Comprehensive Japanese 7 Reading and Writing A	1.0	1	SprABC	Thu1	9L101	Miyu Arai	専門性の高いものを読み、理解したこと、考えたことを的確に口頭および文章で伝えることができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901432	Comprehensive Japanese 7 Seminar A	1.0	1	SprABC	Wed1	9L101	Noe Yamada	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901452	Varieties of Japanese IA	1.0	1	SprABC	Mon5	9P201	Mami Ishida	方言をはじめ、世代、立場、キャラクターによる表現・ことばなど、様々な日本語に触れ、日本語を楽しむ。日本語に対する知識を深める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901472	Varieties of Japanese IIA	1.0	1	SprABC	Mon5	9L101	Masaki Ono	様々なジャンルや目的の日本語に触れ、日本語を楽しむ。日本語に対する知識を深める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901532	Japanese Project IA	1.0	1	SprABC	Tue5	9P201	Cade Conlan Bushnell	表現を増やすことを目的とする。各自の興味ある分野や専門分野についての表現を学ぶ。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901552	Japanese Project IIA	1.0	1	SprABC	Thu5	9P203	Shinobu Yanagita	日常生活の場面や特定の場所・時間帯で使用される日本語について、演劇を通じて発話のタイミング・自然な日本語の表現等を身につける、それらを使用できるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901572	Japanese Fieldwork A	1.0	1	SprABC	Wed5	9P201	Yukiko Hirakata	生の日本語に触れ、言葉や表現を増やすことを目的とし、身近な日本文化・生活に関連したテーマについて、個人またはグループで様々な方法を用いて言葉を集め、それらをまとめて発表する。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901592	Japanese Projectwork A	1.0	1	SprABC	Fri5	9P203	Mio Sekiguchi	各自が設定したテーマに沿ってプロジェクトワークを行う。これまで学習してきた日本語を駆使し、生の日本語に触れ、語彙、表現を広げることを目指す。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901612	Japanese socio-cultural studies (taught in English) A	1.0	1	SprABC	Tue5	9P203	Vanbaelen Ruth	Get familiar with Japanese society and culture, and deepen your understanding of Japanese language. (日本の社会や文化などに親しみ、日本語に対する知識を深める。)	外国人留学生のうち特別聴講学生(学群)が受講できる。 英語で授業。
3901662	Japanese issues(History)(taught in English)	1.0	1	SprABC	Fri5	9L202	Chimani Yamamoto	Deepen your understanding of Japanese culture and history.(日本の文化や歴史などに対する知識を深める。)	外国人留学生のうち特別聴講学生(学群)が受講できる。 英語で授業。
3902012	Kanji 1A	1.0	1	SprABC	Mon1	9L101	Shinobu Yanagita	漢字の表意性を理解し、字形の識別、構造の識別することができる。日常生活においてよく目にする漢字を調べたり、覚え方を工夫したりすることができる。(BKB L1-11)	外国人留学生のうち特別聴講学生(学群)が受講できる。
3902032	Kanji 2A	1.0	1	SprABC	Mon2	9L101	Shinobu Yanagita	漢字の字形の構造性を理解し、部首、音符などが識別できる。漢字の訓読みと音読みがわかる。日常生活および学生生活においてよく目にする漢字を調べたり、覚え方を工夫したりすることができる。(BKB L11-22)	外国人留学生のうち特別聴講学生(学群)が受講できる。
3902052	Kanji 3A	1.0	1	SprABC	Mon1	9P201	Minako Nagato	初級の漢字語彙を覚え、音読み、訓読みの読み分けができる。漢字を使ったやさしい読み物が読め、簡単な文を書きことができる。(BKB L23-35)	外国人留学生のうち特別聴講学生(学群)が受講できる。
3902072	Kanji 4A	1.0	1	SprABC	Mon3	9P202	Minako Nagato	初級校半の漢字語彙を覚え、音読み、訓読みの読み分けができる。漢字を使ったやさしい読み物を辞書を使いながら読め、簡単な作文を書きことができる。(BKB L36-45)	外国人留学生のうち特別聴講学生(学群)が受講できる。
3902092	Kanji 5A	1.0	1	SprABC	Mon4	9P102	Mami Ishida	中級の漢字語彙の読み書きを覚えながら、正確に運用できるようにする。学習者自身が自分の弱点に気づき、それを克服するための方法を工夫できるようにする。(IKB vol.1 L1-5)	外国人留学生のうち特別聴講学生(学群)が受講できる。
3902112	Kanji 6A	1.0	1	SprABC	Mon3	9P102	Chieko Kano	中上級の漢字語彙の読み書きを覚えながら、正確に運用できるようにする。学習者自身が読みたいものから漢字および漢字語彙を抽出し、使えるようにするための方法を工夫できるようにする。(IKB vol.1 L6-10)	外国人留学生のうち特別聴講学生(学群)が受講できる。
3902132	Kanji 7A	1.0	1	SprABC	Mon2	9P201	Mami Ishida	上級の漢字語彙の読み書きを覚えながら、教育心理学などの文系と、科学技術などの理系分野によって語彙を適切に使い分けられるようにする。学習者自身が読みたいものから漢字および漢字語彙を抽出し、使えるようにするための方法を工夫できる。(IKB vol.2 L1-5)	外国人留学生のうち特別聴講学生(学群)が受講できる。
3902152	Kanji 8A	1.0	1	SprABC	Mon4	9P209	Chieko Kano	上級の漢字語彙の読み書きを覚えながら、地球科学、経済金融、歴史などの専門分野によって語彙を適切に使い分けられるようにする。学習者自身が読みたいものから漢字および漢字語彙を抽出し、使えるようにするための方法を工夫できる。(IKB vol.2 L6-10)	外国人留学生のうち特別聴講学生(学群)が受講できる。

● Fall Semester (October 2017-March 2018)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
3901082	Comprehensive Japanese 4 Grammar B	1.0	1	Fall/AB C	Tue4	9L101	Shingo Imai	初中級レベルの文法を学び、使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901102	Comprehensive Japanese 4 Speaking and Listening B	1.0	1	Fall/AB C	Fri4	9P103	Yasushi Koike	身近なテーマや話題に関する簡単な発話を正確に聞き取れるようになる。簡単な発表とその聞き取りができるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901122	Comprehensive Japanese 4 Reading and Writing B	1.0	1	Fall/AB C	Thu4	9L101	Kenichi Nakayama	よく知っている事柄について、まとまりのある文章が読めたり、書けたりするようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901142	Comprehensive Japanese 5 Grammar B	1.0	1	Fall/AB C	Tue3	9L101	Shingo Imai	中級前半レベルの文法を学び、使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901162	Comprehensive Japanese 5 Speaking and Listening B	1.0	1	Fall/AB C	Fri3	9P103	Yasushi Koike	身近な話からやや専門性の高いものを聞き、理解したこと、考えたことを的確に口頭で伝え、自分の意見を話すことができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901182	Comprehensive Japanese 5 Reading and Writing B	1.0	1	Fall/AB C	Thu3	9L101	Shinobu Yanagita	身近な話からやや専門的な事柄について、まとまりのある文章が読めたり、書けたりするようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901202	Comprehensive Japanese 1 B	4.0	1	Fall/AB C	Tue/We d/Thu/Fri4	9P102	Masaki Ono	初歩的な日常場面でのコミュニケーションができるようになる。話す・聞くの技能においては、単文や簡単な複文が理解でき、単文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字で極簡単な文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。 3901632と同内容。
3901222	Comprehensive Japanese 2 B	4.0	1	Fall/AB C	Tue/We d/Thu/Fri2	9P209	Masaki Ono	日本語・日本文化の理解を深めながら、必要な情報とことなど日常的な場面でのコミュニケーションができるようになる。話す・聞くの技能においては、複文や簡単な段落レベルで理解でき、複文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字でやや長いまとまりのある文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。 3901642と同内容。
3901242	Comprehensive Japanese 3 B	4.0	1	Fall/AB C	Tue/We d/Thu/Fri3	9P102	Mitsuko Kido	日本語・日本文化の理解を深めながら、日常的な場面でのコミュニケーションができるようになる。話す・聞くの技能においては、複文や簡単な段落レベルで理解でき、複文や段落で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字でやや複雑な文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901262	Comprehensive Japanese 4 Seminar B	1.0	1	Fall/AB C	Wed4	9L101	Makiko Kobayashi	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901282	Comprehensive Japanese 5 Seminar B	1.0	1	Fall/AB C	Wed3	9L101	Minako Nagato	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901302	Comprehensive Japanese 6 Grammar B	1.0	1	Fall/AB C	Tue2	9L101	Yukiko Hirakata	中級後半～上級レベルの文法を学び、使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901322	Comprehensive Japanese 6 Speaking and Listening B	1.0	1	Fall/AB C	Fri2	9L101	Keiko Hori	やや専門的な内容の解説やスピーチができ、また聞いて理解できるようになる。また対人関係に基づく表現を正確に使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901342	Comprehensive Japanese 6 Reading and Writing B	1.0	1	Fall/AB C	Thu2	9L101	Kenichi Nakayama	やや専門性の高いものを読み、理解したこと、考えたことを的確に口頭および文章で伝えることができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901362	Comprehensive Japanese 6 Seminar B	1.0	1	Fall/AB C	Wed2	9P201	Cade Conlan Bushnell	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901382	Comprehensive Japanese 7 Grammar B	1.0	1	Fall/AB C	Tue1	9L101	Yukiko Hirakata	上級レベルの文法を学び、使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901402	Comprehensive Japanese 7 Speaking and Listening B	1.0	1	Fall/AB C	Fri1	9L101	Takako Sakai	社会・文化に関する話題について、その内容を理解する。内容をまとめ、それについて自分の意見を他者にわかりやすく説明することができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901422	Comprehensive Japanese 7 Reading and Writing B	1.0	1	Fall/AB C	Thu1	9L101	Miyu Arai	専門性の高いものを読み、理解したこと、考えたことを的確に口頭および文章で伝えることができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901442	Comprehensive Japanese 7 Seminar B	1.0	1	Fall/AB C	Wed1	9P105 9L101	Noe Yamada	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
3901462	Varieties of Japanese IB	1.0	1	Fall/AB C	Mon5	9P201	Mami Ishida	方言をはじめ、世代、立場、キャラクターによる表現・ことばなど、様々な日本語に触れ、日本語を楽しむ。 日本語に対する知識を深める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901482	Varieties of Japanese IIB	1.0	1	Fall/AB C	Mon5	9L101	Masaki Ono	様々なジャンルや目的の日本語に触れ、日本語を楽しむ。 日本語に対する知識を深める。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901542	Japanese Project IB	1.0	1	Fall/AB C	Tue5	9P201	Cade Conlan Bushnell	表現を増やすことを目的とする。各自の興味ある分野や専門分野についての表現を学ぶ。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901562	Japanese Project IIB	1.0	1	Fall/AB C	Thu5	9P203	Shinobu Yanagita	日常生活の場面や特定の場所・時間帯で使用される日本語について、演劇を通じて発話のタイミング・自然な日本語の表現等を身につける、それらを使用できるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901582	Japanese Fieldwork B	1.0	1	Fall/AB C	Wed5	9P201	Yukiko Hirakata	生の日本語に触れ、言葉や表現を増やすことを目的とし、身近な日本文化・生活に関連したテーマについて、個人またはグループで様々な方法を用いて言葉を収集し、それらをまとめて発表する。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901602	Japanese Projectwork B	1.0	1	Fall/AB C	Fri5	9P203	Mio Sekiguchi	各自が設定したテーマに沿ってプロジェクトワークを行う。これまで学習してきた日本語を駆使し、生の日本語に触れ、語彙、表現を広げることを目指す。	外国人留学生のうち特別聴講学生(学群)が受講できる。
3901622	Japanese socio-cultural studies (taught in English) B	1.0	1	Fall/AB C	Tue5	9P203	Vanbaelen Ruth	Get familiar with Japanese society and culture, and deepen your understanding of Japanese language. (日本の社会や文化などに親しみ、日本語に対する知識を深める。)	外国人留学生のうち特別聴講学生(学群)が受講できる。 英語で授業。
3901632	Comprehensive Japanese IB	4.0	1	Fall/AB C	by appointment			初歩的な日常場面でのコミュニケーションができるようになる。話す・聞くの技能においては、単文や簡単な短文が理解でき、単文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字で極簡単な文章が書けて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。 3901202と同内容。
3901672	Japanese issues(Culture)(taught in English)	1.0	1	Fall/AB C	Fri5	9L202	Chimani Yamamoto	Deepen your understanding of Japanese culture and history.(日本の文化や歴史などに対する知識を深める。)	外国人留学生のうち特別聴講学生(学群)が受講できる。 英語で授業。

G30 English Courses Open to Exchange Students as JTP Courses

● Spring Semester (April-September 2017)

1. Multidisciplinary Subjects

(1) Multidisciplinary Subjects III

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
1F90011	Social nature	1.0	3, 4	SprAB	Fri3		Thomas Parkner	During the past decade there has been rapid development of research on the human dimension of global environmental change. To understand coupled human-environmental systems traditional disciplinary boundaries need to breakdown. This lecture gives an overview on coupled human-environment systems by exploring complex environmental problems from a cross-disciplinary perspective. Possible ways to bridge the gap between natural and social sciences are offered.	JTP

2. Undergraduate Program of International Social Studies (社会国際学教育プログラム)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BE11021	International Social Studies II	2.0	1	SprAB	Thu5,6	3A213	Masako Ikefuji	This course introduces students to social and institutional analysis. The dual perspectives of the class are politics and economics/managerial science.	equivalent to "International Studies II" in 2010 Lectures are conducted in English. JTP
BE21051	Academic Writing for Social Sciences II	2.0	1, 2	SprAB	Intensive		Delgado Rodolfo	This course will expand on the range of writing skills introduced in Writing I. The class will also study models of good writing with the aim of building challenging vocabulary and grammar. Tasks will be set both in class and at home. This course aims to build a solid foundation for academic writing, through analyzing the different writing communication styles, format, and language accuracy. It is very important to understand the kind of writing communication and style needed for academic papers and reports and how English communication and accuracy in writing is used for critical thinking and solving problems	for non-native,日程が決まり次第周知する Lectures are conducted in English. JTP equivalent to "English Writing II" in 2010-2012.
BE21091	Japanese Learning Support III	2.0	1, 2	SprAB	Mon4,5	3A305	Noe Yamada	This course is designed to support you to acquire Japanese language skills, and also designed to deepen the Students' understanding of the lifestyle and culture of Japan using subjects that are appropriate for the students.	JTP
BE21131	Introduction to Programming	2.0	1, 2	SprAB	Thu3,4	1C206	Simona Mirela Vasilache	This course is focused on helping students acquire fundamental programming notions. Some of the topics that will be covered include starting programming from "pen&paper", pseudocode, algorithms, data types, basic control structures etc.	Lectures are conducted in English. JTP G-course (equivalent to "Introduction to Information Processing" in 2010-2012)
BE21181	Social Issues in Contemporary Japan	2.0	1, 2	SprAB	Wed5,6	3B402	Ioshiaqui Edson Urano	The aim of this course is to analyze the social and economic changes in Japan, with particular focus on changes in the nature of work in society and its implications in Contemporary Japanese society, including complex issues such as migration, foreign workers, ageing society, job hunting, working poor and inequality.	Identical to BB11871. Lectures are conducted in English. JTP G-course
BE21861	Principles of Economics	2.0	1, 2	SprAB	Fri1,2	3A213	Masako Ikefuji	The course introduces students to economics. It broadly covers issues, concepts, and basic theories in microeconomics and macroeconomics to provide foundations for students to understand the decision making behavior of economic agents, their interaction in market settings, and to comprehend current and practical issues and policies in economics. The course is designed to provide a concise and selective introduction to economic issues, theories, and policies.	"Students who have earned credits of BE21211 or BE21851 are not permitted to take this class. Lectures are conducted in English. JTP G-course
BE22051	Public Policy	2.0	2 - 4	SprAB	Thu1,2	3A308	Ioshiaqui Edson Urano	The objective of this course is to provide students with basic knowledge to understand public policies, with special focus on the role of economic and social policies in society.	Identical to BB11881 and BC11461. Lectures are conducted in English. JTP G-course
BE22081	Political Philosophy	2.0	2 - 4	SprAB	Tue5,6	3K302	Charles Edward Covell	This course provides an introduction to the work of the classic thinkers who belong to the Western tradition in political philosophy, and in this to meet the basic educational needs of students specializing in the various areas of politics, law and economics. It is recognized that political philosophy is often held to be a subjecting that presents major difficulties for students. Accordingly, it is proposed to make the review of Western political thinkers as simple as possible and to focus attention on the explanation of the most fundamental of the terms and concepts in Western political thought.	Identical to BC11171. Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BE22221	Japanese Economy	2.0	2 - 4	SprAB	Mon5,6	3B202	Yoshinori Kurokawa	The main purpose of this course is to understand basic historical facts about the Japanese Economy. We analyze those facts both empirically and theoretically and relate most Japanese issues to those in the U.S. The goal of this course for Japanese students is to explain to foreign people about the Japanese economy in English, and that for international students is to be more interested in Japan. As a prerequisite, this course requires BC51061 Introductory Microeconomics and BC51071 International Economics, or equivalent.	Identical to BC11881. Lectures are conducted in English. JTP
BE22231	Introductory Econometrics	2.0	2 - 4	SprAB	Tue1,2	3A408	ZHENGFEI YU	This course is an introduction to econometrics. We will begin with the linear regression model and its estimation and inference. Then we will cover linear models with endogeneity, linear panel models, limited dependent variables, and models used in program evaluations. This course prerequisites Introductory Statistics.	Identical to BC12061. Lectures are conducted in English. JTP
BE22271	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. Identical to BB41601, BC11411, FH21081, and FH25051. Lectures are conducted in English. JTP
BE22471	Globalization and Development	2.0	2 - 4	SprAB	Tue/Fri 4	3K202	Nathan Gilbert Quimpo	This course examines the politics of development in the era of globalization, exploring major issues and problems being encountered and confronted by the developing countries in the contemporary period. There will be lectures, videos, discussions and debates on globalization theory, major development issues, politics in the developing world, and the impact of globalization on developing countries.	Identical to BC11351. Lectures are conducted in English. JTP G-course
BE22501	Linguistic Anthropology	2.0	2 - 4	SprAB	Tue1,2	3B402	Risako Ide	An introduction to linguistic anthropology, this course explores the theories, concepts and case studies that help us understand the dynamic relationship between language, culture, and society. Based on the class lecture and classroom discussions based on the reading assignments, we will try to understand the idea that	Identical to BC11511. Lectures are conducted in English. JTP (former "Anthropological Linguistics")
BE22521	International Education	2.0	2 - 4	SprAB	Tue3,4	3K404	Masako Shibata	This course invites both overseas and Japanese students. The major purpose of the course is to enable students to learn about issues and current trends in educational studies in international perspectives. It deals with themes, such as development, colonial legacy and global interaction, in education.	Identical to BC12241. Lectures are conducted in English. JTP
BE22561	Population and History in Japanese Perspective	2.0	2 - 4	SprAB	Tue/Thu 3	3K302	Futoshi Kinoshita	This course is designed to help students gain a better understanding of Japanese society by examining its demographic traits, e.g., past population growth, changes in fertility and mortality, and ageing. The aim of the course is to grasp such traits quantitatively as well as qualitatively. Through the course, students will become familiar with how to measure demographic events, such as birth and death, in an accurate and objective fashion. The topics for measurement include calculating crude rates, total fertility rate and population growth rate, standardization of rates, indirect estimation, and construction of life table. By computing various demographic indices of Japan and comparing them with those of other societies, students will be able to better understand Japanese demographic characteristics from a comparative perspective.	Identical to BC12271. Lectures are conducted in English. JTP
BE22851	Mathematical Economics	2.0	2 - 4	SprAB	Mon3,4	3A214	Masako Ikefuji	This course introduces students to the most fundamental analytical tools of mathematics for economics. It provides the necessary skills and training to use mathematical approach in economic analysis. The course emphasizes on mathematical approaches to economic theory.	Identical to BC16011. Lectures are conducted in English. JTP
BE22861	Health Economics	2.0	2 - 4	SprAB	Thu5,6	3B405	Abu Girma Moges	Health Economics is an applied economics course that analyzes issues in health, medical care and health finance. The demand for health and medical care services and the economic behavior of health service providers and the operation of health insurance markets are analyzed with economic tools of analysis and perspectives. The role of the government sector in the provision, regulation and financing of health care services are addressed within the context of health sector policies both in developed and developing countries.	Open every spring semester from 2017 AY Identical to BC12921. Lectures are conducted in English. JTP

3. Interdisciplinary Program in Life and Environmental Sciences(生命環境学際プログラム)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
EG20211	Plant Taxonomy I	1.0	2, 3	SprAB	Fri2	2C404	Ken-ichiro Ishida	Diversity, classification, morphology, ultrastructure, life history and phylogeny of non-green algae — glaucophytes, rhodophytes, cryptophytes, chlorarachniophytes, euglenophytes, dinoflagellates, haptophytes, and stramenopiles.	Identical to EB50211. Lectures are conducted in English. JTP
EG21011	Marine Biogeochemistry I	1.0	2, 3	SprC	Intensive	2B411	Masao Ishii, Masahiro Suzumura	This lecture will focus on the physical, chemical and biological environments in ocean with special reference to carbonate system and eutrophication.	Identical to EB51011. Lectures are conducted in English. 7/5-7/6 JTP
EG22011	Genome Biology I	1.0	2, 3	SprAB	Tue1	2B412	hidekazu kuwayama	Lectures will cover basic knowledge on the structure and function of the genome, as well as technologies for DNA and genome analyses.	Identical to EB62011. Lectures are conducted in English. JTP
EG22911	Marine Biology I	1.0	2, 3	SprAB	Wed3	2B508	Kazuo Inaba, Sylvain Leonard Georges Agostini	Lecture will give you several topics on physical, chemical and biological properties of ocean to understand the physiology, reproduction, development, biodiversity and ecology of marine invertebrates and fish. This class will especially focus on the following aspects of marine life: life cycle, locomotion, sensory reception, biomineralization, biogeochemical distribution, photosynthesis, respiration, calcification, nitrogen fixation and the impact of climate change. We will give examples of marine organisms under planktonic and benthic conditions and coral reef. The history and present situation of marine biology research will be also included.	Identical to EB72911. Lectures are conducted in English. JTP
EG24111	Plant Physiology I	1.0	2, 3	SprAB	Fri1	2B411	Shinobu Satoh, Jun Furukawa, Kenji Miura, Louis John Irving	In this lecture, the relationship between various physiological phenomena and the environmental factors in the life history of higher plant will be overviewed for the understanding from the viewpoint at whole plant to cell levels with adding the latest molecular biological findings.	Identical to EB74111. Lectures are conducted in English. JTP
EG24211	Metabolic and Physiological Chemistry I	1.0	2, 3	SprAB	Thu1	2C310	Iwane Suzuki	The main topics for this course will be photosynthetic energy conversion, primary and secondary carbon metabolism including C3, C4 and CAM metabolisms, photorespiration, and mitochondrial respiration.	Identical to EB74211. Lectures are conducted in English. JTP
EG32031	Genome Biology III	1.0	2, 3	SprAB	Wed2	2C107	Yuji Inagaki	Lectures will focus on the structure and evolution of genomes, including molecular phylogeny and comparative genomics.	Identical to EB62031. Lectures are conducted in English. JTP
EG33111	Plant Biotechnology I	1.0	2, 3	SprC	Intensive	2B507	Kazuo Watanabe, Akira Kikuchi, Michiyuki Ono	Lectures will cover topics on plant biotechnology including control of flowering time, circadian rhythms, photoperiodic responses, organ size and responses to environmental stresses.	Identical to EB83141. Lectures are conducted in English. JTP Who has credit of EB83111 is ineligible.
EG34111	Theoretical Ecology	1.0	2, 3	SprAB	Thu1	2D202	Yukihiko Tokunaga (Toque naga)	This course illustrates theoretical aspects of ecology with examples of laboratory experiments to connect mathematical expressions with ecological phenomena in nature.	Identical to EB64111. Lectures are conducted in English. JTP
EG39201	Overview of Algal Biomass	1.0	2 - 4	SprC	Intensive	2B411	Iwane Suzuki, Takeshi Nakayama, Yoshida Masaki	Biofuels, especially using algae and protists, phylogenetic diversity and physiology of algae and protists, and a research trend of algal biofuels will be the subjects of this lecture.	Identical to EB79101. Lectures are conducted in English. JTP
EG60431	Special Seminar IV	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Seminar on the Special research related with agro-biological resource sciences for each individual student.	JTP Identical to EC00041. Lectures are conducted in English.
EG60443	Special Seminar V	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Field practice on the special research related with agro-biological resource sciences for each individual student.	JTP Identical to EC00053. Lectures are conducted in English.

● Fall Semester (October 2017-March 2018)

1. Multidisciplinary Subjects

(1) Multidisciplinary Subjects I

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
1390111	Living in Japan as Foreign Students	1.0	1	Fall/AB	Fri3	3A410	Ioshiaqui Edson Urano, Yue Fu, Shaney Crawford	This course will provide clear explanations by using specific examples of legal and social rules foreign students must know for their lives in Japan. In particular, lectures will be focused on legal and administrative procedures required for studying, employment and settlement, by illustrating immigration control, the precautions for the limits of the non-academic activities regarding part-time jobs, visa application required for job hunting and job hunting after graduation, visa application required after the employment or in case of unemployment, marriage to a Japanese or a foreigner, and family life.	For students in International Social Studies for the Global 30, JTP and other international students JTP CDP

(2) Multidisciplinary Subjects II

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
1A90021	Strategy of Life	1.0	1, 2	Fall/AB	Mon1	2G407	Louis John Irving	This course introduces evolutionary explanations for the diversity and complexity of living organisms.	JTP Lectures are conducted in English. JTP
1A90081	Food and Forest	1.0	1, 2	Fall/AB	Mon2	2G305	Seung Won Kang	This course introduces crop plants, domestic animals and trees and their products in relation to culture, society, economy and environment.	JTP Lectures are conducted in English. JTP
1B90061	Introduction to Social Sciences	1.0	1, 2	Fall/AB	Mon2	3B203	Ioshiaqui Edson Urano, Miyasaka Wataru, Masako Ikefuji	This course aims to make students get comprehensive introduction to social sciences from the perspectives of sociology, law, and economics. It addresses the character and contents of each field through practical and real case examples so as to equip students with practical understanding and application in various fields.	JTP
1B90071	Japanese Issues V(Japanese Socio-culture)	1.0	1, 2	Spr Vac	Intensive	9L202	Vanbaelen Ruth	In this course, we will read about and discuss various topics on society and culture relating to Japan and the Japanese.	Limited to 30 students Lectures are conducted in English. JTP Details will be announced.
1C90031	Career Design I	1.0	1, 2	Fall/AB	Mon2	9L202	Chinami Yamamoto	In this course, we will read about and discuss various topics related to employment following graduation. Some topics may include: employment in Japan, basic knowledge of Japan, history of politics and economy, work habits, human relationships, etc.	Lectures are conducted in English. JTP Limited to 30 students

(3) Multidisciplinary Subjects III

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
1E90011	Topics in Social Sciences	1.0	3, 4	Fall/AB	Wed2	3A405	Abu Girma Moges	This course deals with advanced and contemporary topics in social sciences from the perspectives of conceptual, practical, and public policy. We will cover topics ranging from economic development, inequality and poverty issues, inter-and-intra national migration, environmental issues, political economics of in public policies, global environmental issues, issues in international relations, human security and sustainable development, and the prospects and challenges of globalization.	Lectures are conducted in English. JTP

2. Foreign Languages

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
3290042	German AII	1.0	1	Fall/AB C	Mon6	CA304	Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course Non-G30 students, including students admitted in fall semester, can register this course. The credits of German AII, BII and CII can be changeable to those of German AI, AII, BI, and BII only if all the three credits are taken at the same time. Otherwise, some of the credits can be changeable to those in the category of optional subjects.
3290052	German BII	1.0	1	Fall/AB C	Wed6	CA304	Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course Non-G30 students, including students admitted in fall semester, can register this course. The credits of German AII, BII and CII can be changeable to those of German AI, AII, BI, and BII only if all the three credits are taken at the same time. Otherwise, some of the credits can be changeable to those in the category of optional subjects.
3290062	German CII	1.0	1	Fall/AB C	Thu6	CA304	Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course Non-G30 students, including students admitted in fall semester, can register this course. The credits of German AII, BII and CII can be changeable to those of German AI, AII, BI, and BII only if all the three credits are taken at the same time. Otherwise, some of the credits can be changeable to those in the category of optional subjects.
3290142	German AI	0.5	1	Spr Vac	Intensive		Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP Details will be announced. G-course This course is counted as an elective for non-G30 students and is not allowed to take as a substitute for other courses.
3290152	German BI	0.5	1	Spr Vac	Intensive		Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course This course is counted as an elective for non-G30 students and is not allowed to take as a substitute for other courses.
3290162	German CI	0.5	1	Spr Vac	Intensive		Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course This course is counted as an elective for non-G30 students and is not allowed to take as a substitute for other courses.

3. Undergraduate Program of International Social Studies (社会国際学教育プログラム)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BE11011	International Social Studies I	2.0	1	Fall/AB	Thu,4,5	3A408	Ioshiaqui Edson Urano	The aim of this course is to provide the basic understanding of the major trends on international migration. Taking as a background the growing process of globalization, central themes in migratory studies such as South-North migration, refugee issues, skilled workers and migration to Japan will be discussed.	Lectures are conducted in English. JTP
BE21041	Academic Writing for Social Sciences I	2.0	1, 2	Fall/AB C	Intensive		Delgado Rodolfo	This course will be an introduction of grammar and the elements of academic writing. The class will study models of good writing with the aim of building challenging vocabulary and sentence structure. Tasks will be set both in class and at home. This course aims to build a solid foundation for academic writing, through analyzing the different writing communication styles, format, language accuracy and problem solving. It is very important to understand the kind of writing communication and style needed for academic papers and reports and how English communication and accuracy in writing is used for critical thinking and problem solving.	for non-native Lectures are conducted in English. JTP equivalent to " English Writing I" in 2010-2012.
BE21071	Japanese Learning Support I	2.0	1, 2	Fall/AB	Mon,4,5	3A311	Noe Yamada	This course is designed to support you to acquire Japanese language skills, and also designed to deepen the Students' understanding of the lifestyle and culture of Japan using subjects that are appropriate for the students.	JTP
BE21081	Japanese Learning Support II	2.0	1, 2	Fall/C	Mon,3,4 Wed,4,5	3A311	Noe Yamada	This course is designed to support you to acquire Japanese language skills, and also designed to deepen the Students' understanding of the lifestyle and culture of Japan using subjects that are appropriate for the students.	JTP
BE21121	Contemporary World Politics	2.0	1, 2	Fall/C	Intensive		Jeffrey J Hall	In this course, students will learn the major academic approaches to the study of international relations and apply them to contemporary political issues. Topics covered include: Japan's relations with other countries, the rise of China, the decline of American power, the role of international organizations in preserving peace, nuclear weapons, and international terrorism.	JTP Lectures are conducted in English. JTP G-course
BE21151	Readings of Japanese Studies	2.0	2	Fall/AB	Wed,3,4	3A214	Shiho Kashiwagi	The course introduce students to perspectives on contemporary Japan.	equivalent to "Readings of Japanese Studies I" in 2010 Lectures are conducted in English. JTP G-course
BE21201	International Economics	2.0	2	Fall/AB	Thu,5,6	3A204	Yoshinori Kurokawa	This course will introduce students to basic international economic theories and their applications to real world data mainly about Japan's international trade and finance. I will emphasize the usefulness of basic international economic theories in understanding international economic issues. This course does NOT require BC51061 Introductory Microeconomics or BC51081 Intro-Intermediate Macroeconomics as a prerequisite. In class, I will explain all necessary background to understand this course.	This course is identical to BC51071. Lectures are conducted in English. JTP
BE21231	Intro-Intermediate Macroeconomics	2.0	2	Fall/AB	Wed,1,2	3A207	Hisahiro Naito	This course covers the basic concepts in macroeconomics. Topics include the IS-LM model, aggregate demand, aggregate supply and the Phillips curve, monetary and fiscal policy, rational expectations, real business cycle models, micro foundations, and long-run economic growth.	Identical to BC51081. Lectures are conducted in English. JTP
BE21241	Media Politics	2.0	1, 2	Fall/AB	Fri,3,4	3A416	Leslie Tkach Kawasaki	How does the media, in all its various formats, interact with politics? From "traditional" media, such as newspapers and television, to new media formats including websites, blogs and social media channels, in this course, students will examine the intersection between media and politics from historical, theoretical, topic-based, and consumer/producer perspectives.	JTP Identical to BC51161. Lectures are conducted in English.
BE21351	Law and Society in Japan	2.0	2	Fall/AB	Mon,3,4	3A305	Miyasaka Wataru	This course is to provide an introduction to law and to the Japanese legal system. The topics covered by this course include the development of Japanese law, the basic structure of Japanese law, criminal and civil law of Japan and future prospects of Japanese law and legal system.	Identical to BB28021. Lectures are conducted in English. JTP
BE21911	Perspectives on Managerial Issues in Global Business	1.0	1, 2	Fall/B	Intensive		Remy Magnier-Watanabe	This course focuses on managerial issues in global business. Professors from the University of Tsukuba Tokyo Campus and one guest speaker from the Grenoble Ecole de Management (France) will give lectures on one aspect of global business. TBD.	Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BE22031	Japanese Foreign Policy	2.0	2 - 4	Fall/AB	Mon3,4	3B203	Liang Pan	This course examines the historical background of modern Japan's foreign policymaking from early 1890s till the end of the Second World War (1945). Main emphasis of the lectures will be placed on the interaction between Japanese domestic politics and foreign affairs.	Open in an odd number year. Identical to BC11911. Lectures are conducted in English. JTP
BE22071	International Politics	2.0	2 - 4	Fall/AB	Tue5,6	3A304	Takafumi Ohtomo	This course examines various theories and cases to understand the dynamics of international politics.	Identical to BC11121. Lectures are conducted in English. JTP
BE22101	Comparative Public Administration	2.0	2 - 4	Fall/AB	Tue5,6	3K302	Charles Edward Covell	The purpose of this course is to provide a general introduction to the structure of government and public administration through detailed consideration of the case of the United Kingdom. The emphasis throughout will be on bringing out the first principles underlying the basic machinery of government and public administration, and on doing this in such a way as to make these principles comprehensible to students with only a limited background in the field of comparative public administration.	Identical to BC11271. Lectures are conducted in English. JTP
BE22201	Global Political Economy I	2.0	2 - 4	Fall/C	Intensive		Mustafa Moinuddin	This course is intended to provide an introduction to global political economy. It deals with understanding the interactions among states, markets, and societal actors. To understand the patterns of these interactions and changes at the global level, an interdisciplinary approach is needed by drawing from international politics as well as international economics. This course focuses on the political problems that associated with the intensification of international economic relations. Topics covered include underlying theoretical perspectives on the global political economy; international trade; international institutions, international monetary and finance structures, international debt and financial crises, and issues relating to globalization including controversies.	equivalent to "International Political Economy I" in 2010-2012 Identical to BC11941. Lectures are conducted in English. JTP
BE22291	Introductory Statistics	2.0	2	Fall/AB	Tue1,2	3K404	ZHENGFEI YU	This course is a formal introduction to Statistics. No prior knowledge of probability and statistics is required as all concepts will be developed from the ground up. We will cover a range of topics including descriptive statistics, basics of probability, random variables, distribution and density functions, sampling distributions, point estimation, confidence intervals, and hypothesis testing. If time allows, a preview of the regression analysis will be provided. The details of regression analysis will be covered in Introductory Econometrics, which is a continuation of this course.	2016年度までのBC12031「統計科学」の単位を取得した者は履修不可。 Identical to BC51181. Lectures are conducted in English. JTP
BE22371	International Labour Law	2.0	2 - 4	Fall/C	Intensive		Shin Yamada	To begin with getting basic knowledge in "international law" and "social protection", the course will treat the mechanism and context of international labour law and social security.	Identical to BB28791 and BC11111. Lectures are conducted in English. JTP G-course
BE22401	Transnational Social Policy	2.0	2 - 4	Fall/AB	Thu1,2	3B406	Ishiaqui Edson Urano	Globalization has brought many changes in social life, including increasing flows of financial resources, goods and persons. Among the new challenges these changes pose to governments and civil society is the need to create new social agenda and to develop social policies. The aim of this course is to discuss these challenges for the 21st Century from a transnational perspective	Biennial Course (offered in odd years) Open in an odd number year. Identical to BB11861 and BC11471. Lectures are conducted in English. JTP G-course
BE22451	Social Development	2.0	2 - 4	Fall/AB	Fri5,6	3K404	Yi Zhu	This course discuss the concept and review the literature of business anthropology through examples in the Asia-Pacific region particularly Japan, China and Hong Kong. It examines business not only from management perspectives but also from social perspectives. Different cases aim to show how the business organization and the business custom have been established and been developed in the context of globalization.	Identical to BC12221. Lectures are conducted in English. JTP. 平成20年度まで「社会開発論II」に相当
BE22541	Personal Computer and Japanese Word Processing	1.0	1 - 4	Fall/AB	Thu5	3K203	Futoshi Kinoshita	This course is designed to help international students acquire the knowledge and skills of word processing of the Japanese language. Students will get practical experience of word processing through the use of Microsoft WORD, EXCEL and other software packages, and also will learn the rules and formalities of Japanese writing. The course is intended for international students who have such basics as hiragana, katanana and about three hundred (300) kanji.	Identical to BC12301. Lectures are conducted in English. JTP
BE22551	Outline of Japanese Education	2.0	2 - 4	Fall/AB	Tue3,4	3K102	Masako Shibata	This course is offered to students who are interested in the historical development of Japanese education. The course looks at the processes of the foundation of the Japanese education system and the formation of a modern state in Japan. Special reference is made to the past and present dimensions of patterns of the cross-national transfer of policy for education. Thus international and comparative perspectives are welcome throughout the course.	Identical to BC12251. Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BE22571	Population and Development	2.0	2 - 4	FallAB	Tue/Thu3	3K301	Futoshi Kinoshita	The course is designed to expose students to various population issues and the field of demography, with emphasis on demographic theories and empirical materials of Asian and European countries. The topics to be covered include historical patterns of population growth, modernization and population, technological progress and population, population and the environment, demographic transition and population policy.	Identical to BB11461 and BC12261. Lectures are conducted in English. JTP、平成17年度までの「アジアと人口」に相当
BE22701	Academic Debate for Social Sciences	2.0	2 - 4	FallAB	Tue2,3	3A213	Abu Girma Moges	This course is designed for students to develop and advance their skill in making logical, persuasive, and compelling arguments in favor or against topical issues in social sciences. The class is organized in such a way that students identify topics for their class presentation, make background research on selected topics in social sciences, and make their argument in an academic setting.	TOEFL-IBT:61 or higher, TOEIC:600 or higher, IELTS:5.0 or higher Lectures are conducted in English. JTP G-course G-course with prerequisites
BE22711	Global Society and Criminology	2.0	2 - 4	FallAB	Thu5,6	3A214	Chihoko Morita	This course is an introduction to criminology and the criminal justice system in Japan. The course also discusses the effect of globalization on criminal justice policies in Japan.	Lectures are conducted in English. JTP
BE22821	History of Economic Thought	2.0	2 - 4	FallAB	Thu3,4	3A212	Abu Girma Moges	The course is about the history, philosophy and evolution of economic ideas and thoughts. We review critically the different schools of economic thoughts from the classical to the modern schools to provide students with a comprehensive understanding of the origin, evolution, arguments, and philosophy of economics and the economists behind such powerful ideas.	Identical to BC16021. Lectures are conducted in English. JTP
BE22841	International Management	1.0	2 - 4	FallA	Tue1,2	3A214	Ivan Deseatnicov	WELCOME to International Management course! The course explores the unique and challenging socio-cultural and political environments in which international business takes place and aims at developing practical skills to deal with these challenges. In particular the course will address international financial policy, international commercial policy and multinational companies' strategies.	Biennial Course (offered in odd years) Lectures are conducted in English. JTP
BE22871	Contemporary Issues in Developing Countries	2.0	2 - 4	FallC	Intensive			The goal of this course is to understand contemporary and important economic and social issues in developing countries. We also analyze statistical data related to the topics.	Identical to BB41401 and BC12121. Lectures are conducted in English. JTP

4. Interdisciplinary Program in Life and Environmental Sciences(生命環境学際プログラム)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
EG20014	Programming I	1.0	2, 3	FallAB	Thu1	2D202	Yukihiro Tokunaga(Toquenaga)	In this lecture, students learn programming techniques for manipulating a variety of data. They will also learn simulation techniques with individual-based models. The programming language used is Ruby.	Identical to EB60014. Lectures are conducted in English. JTP
EG23131	Biotechnology Literacy	1.0	2, 3	FallC	Intensive	2B508	Kazuo Watanabe,Akira Kikuchi,Michiyuki Ono,Taichi Oguchi	Topics covering ethical, legal and social issues in life & environmental sciences.	Identical to EB83161. Lectures are conducted in English. JTP CDP G-course EB83131修得者の履修は認めない。
EG29103	Laboratory and Field Studies in Land Biology	1.5	2	Spr Vac	Intensive	Sugadaira	Ryuichiro Machida,Kensuke Yahata,Leanne Kay FAULKS	A five-day residential course held at the Sugadaira Montane Research Center. The aim of this course, through animal tracking, bird watching, collecting insects, is to provide genuine experience of the qualities of nature and wild animals in snowy areas.	Identical to EB09103. Lectures are conducted in English. 3/5-3/9 JTP
EG30221	Plant Taxonomy II	1.0	2, 3	FallAB	Fri2	2C101	Ken-ichiro Ishida,Takeshi Nakayama	Diversity, classification, morphology, ultrastructure, life history and phylogeny of green plants, including chlorophytes and land plants.	Identical to EB50221. Lectures are conducted in English. JTP
EG31021	Marine Biogeochemistry II	1.0	2, 3	FallA	Intensive	2B412	Takeo Hama,Shigeki Wada,Yuko Oomori	This lecture will focus on the biogeochemical cycle of carbon with special reference to the production, transformation and decomposition of organic matter in ocean.	Identical to EB51021. Lectures are conducted in English. 10/14-10/15 JTP
EG32131	Chemical Ecology	1.0	2, 3	FallAB	Fri4	2C107	Yooichi Kainoh,Shigeru Matsuyama,Keiko Yamaji,Seiichi Furukawa,Natsuko Kinoshita	This lecture introduces chemical aspects of relationships between individual insects, animals, plants and microorganisms of the same (pheromone) or different (allelochemicals) species.	Identical to EB82131. Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
EG32921	Marine Biology II	1.0	2, 3	FallAB	Wed3	2B508	Kazuo Inaba, Yasunori Sasakura, Shunsuke Yaguchi, Kogiku Shiba, Hiroaki Nakano, Shigeaki Wada, Koetsu Kon, Takeo Horie, Sylvain Leonard Georges Agostini	Lecture will provide several topics on marine organisms, including fertilization, cilia and flagella, gene-manipulation, development, self-non-self recognition, evolution, animal behavior, population ecology and marine environment. The teaching staff of Shimoda Marine Research Center will tell you about recent progress of their own research.	Identical to EB72921. Lectures are conducted in English. JTP
EG34021	Biometry II	1.0	2, 3	FallAB	Fri3	2D202	Yukihiko Tokunaga (Toque naga)	This lecture introduces the dark side of statistics. Starting with randomization techniques, students learn relationships among different domains of statistical ideas: parametric, nonparametric, null hypothesis significance testing, information-theoretic methods, and the Bayesian methods.	Identical to EB64021. Lectures are conducted in English. JTP
EG34131	Plant Physiology II	1.0	2, 3	FallAB	Fri1	2B411	Hiroaki Iwai, Takuya Suzuki	This lecture introduces several important topics for your further understanding of plant physiology, which includes recent advances in the research of vegetative and reproductive development, and symbiosis with microorganisms in higher plants.	Identical to EB74131. Lectures are conducted in English. JTP
EG34221	Metabolic and Physiological Chemistry II	1.0	2, 3	FallAB	Thu1	2C310	Iwane Suzuki, Louis John Irving	Nitrogen metabolism, sulfur metabolism, metabolic regulatory mechanisms and the function of trace metals in cellular metabolism are main topics. The main topics for this course will be acclimation process of cellular and energy metabolisms response to the changes in intracellular and extracellular environments. It will be discussed about response and regulations of gene expression, enzymatic reaction, transport and signal transduction system.	Identical to EB74221. Lectures are conducted in English. JTP Who has credit of EB74231 or EG34231 is ineligible.
EG35031	Molecular Developmental Genetics	1.0	2, 3	FallAB	Fri3	2B208	Katsuo Furukubo Tokunaga	Study of the mechanism of development is one of the most fascinating areas in current biology. This lecture focuses on the genetic programs that are conserved from fly to human beyond apparent morphological diversity. It also introduces fundamental aspects of nervous system development including network and synaptic plasticity that are essential to higher brain functions such as memory.	Identical to EB72131. Lectures are conducted in English. JTP
EG35131	Molecular Biology III	1.0	2, 3	FallAB	Thu3	2B412	Tomoki Chiba	Proteins are in a dynamic state, which is regulated by protein synthesis and degradation pathways. Each protein is degraded in a degree of selectivity, and its regulation is essential for the cell homeostasis and viability. In this class, we will learn the latest findings on the molecular mechanism of selective protein degradation and its physiological importance.	Identical to EB71131. Lectures are conducted in English. JTP
EG38131	Vertebrate Evolution	1.0	2, 3	FallAB	Tue3	2D306	Louis John Irving	This course looks at the major transitions during vertebrate evolution, particularly focussing on the transition between water and land, and the adaptations which facilitated that transition. The diversification of animal life on land, and the subsequent return of some groups to water will be studied. This course will have a strong evolutionary biology focus.	Identical to EB08131. Lectures are conducted in English. JTP
EG39101	Protistology	1.0	2, 3	FallC	Fri2,3	2C310	Ken-ichiro Ishida, Yosuke Degawa, Osamu Numata, Hidekazu Kuwayama, Shinichi Miyamura	Topics in protistology. Cellular evolution, cell biology, sex and reproduction, phylogeny and ecology of protists will be the subjects of this lecture.	Identical to EB59101. Lectures are conducted in English. JTP
EG50031	Cell Structure and Function	1.0	2, 3	FallAB	Fri5	2B309	DeMar Taylor	Lectures and discussions will concentrate on cell structure and function as related to 1) membranes, 2) mitochondria, 3) chloroplasts, 4) intracellular transport, 5) cell communication, 6) cell cycle and 7) cell communities.	Use English Textbook Identical to EC31251. Lectures are conducted in English. JTP
EG60431	Special Seminar IV	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Seminar on the Special research related with agricultural resource sciences for each individual student.	JTP Identical to EC00041. Lectures are conducted in English.

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