

University of Tsukuba

Undergraduate Course Offerings for Exchange Students 2020-2021

Contents

About This Brochure	1
Course Hours	2
Course Offerings According to Semester and Module	2
Course List	3
Spring Semester (April - September 2020)	
Courses Open to Exchange Students	3
Japanese Language Courses	11
Multidisciplinary Subjects (Japanese)	13
Fall Semester (October 2020 - March 2021)	
Courses Open to Exchange Students	14
Japanese Language Courses	24
Multidisciplinary Subjects (Japanese)	26

Division of Student Exchange

About This Brochure

The courses listed in this brochure are excerpted for exchange students from the computer files of the “*Kaisetsu Jugyo Kamoku Ichiran 2020-21*” (in Japanese), the English title is *University Undergraduate Course Catalog 2020-2021*, with minor revisions.

Please 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.

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.

Course Hours

















Course Type	Course Hours per Credit
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.

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 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	Summer Recess	Fall A module	Fall B module	Fall C module	Spring Recess
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)								

Note: There is a possibility that the terms of each module will be changed.

Course List

Spring Semester (April - September 2020)

Courses Open to Exchange Students

Multidisciplinary Subjects (総合科目)

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	Understanding coupled natural/environmental and human systems is fundamental to the quest for sustainability. But, what is "nature" or "environment", or what are environmental issues? In this lecture, nature, environment, and environmental issues are discussed as a social construct subject to changing perceptions. To bridge the gap between natural and social students, theories and concepts from both, natural sciences and social sciences, are presented, which are relevant for human-environment interaction research. Climate change as a current threat is discussed from the natural science perspective as well as from deeply entrenched social worldviews to explore a complex environmental problem from a cross-disciplinary perspective.	JTP
1B90021	Japanese Issues II(Introductory Japanese History)	1.0	1, 2	SprAB	Mon2		Chinami Yamamoto	In this course, we will read about and discuss history of Japan starting from the formation of Japan till the end of feudal era.	Limited to 30 students Open in an even number year. Lectures are conducted in English. JTP

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

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
AE53B61	Introduction to Contemporary Japanese Society	1.0	1 - 2	SprAB	Tue6	2G407	Nobutaka Suzuki	This class is to introduce students to the contemporary Japanese society in an anthropological perspective. It will examine topics and issues such as family, community, class and status, work and labor, and mass culture.	日本語・日本文学類生は2019年度以降の入学者に限る。This class is taught in English. 英語で授業。 JTP

College of Social Sciences (社会学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BB11881	Public Policy	2.0	2 - 4	SprAB	Thu1,2	共同利用棟 A101	Edson Ioshiaqui 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. Identical to BC11461 and BE22051. Lectures are conducted in English. JTP G科目
BB41551	Economic Growth	1.0	2 - 4	SprAB	Wed6	1C403	Masako Ikefuji	This course introduces students to the introductory theory of economic growth, mainly, the Solow Model, necessary for understanding the concept and determinants of economic growth. The goal of this course is to give the students skills to apply the basic theory and competences to discuss various issues related to economic growth.	Identical to BE22801. Lectures are conducted in English. JTP G科目
BB41561	Mathematical Economics	2.0	1 - 3	SprAB	Mon5,6	1B203	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 goal of this course is to give the students skills to apply the mathematical methods to solution of economics problems.	Identical to BC16011 and BE22851. Lectures are conducted in English. JTP

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
BC51081	Intro-Intermediate Macroeconomics	2.0	2	FallAB	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.	Identical to BE21231. Lectures are conducted in English. JTP
BC51161	Media Politics	2.0	1 - 3	FallAB	Mon1,2	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.	Identical to BE21241. Lectures are conducted in English. JTP
BC51574	English Debate	2.0	2 - 4	SprAB	Wed5,6	3A207	Charles Edward Covell	The students participating in this class will be free to debate any subjects of their own choosing, such as are to do with Japanese state, society and culture or to do with any matters of foreign and international concern.	国際総合学類の学生のみ対象。2019年度入学者については別途クラス分けを指示する。2018年度以前入学者については、学籍番号奇数番の学生のみ対象。BC51571を履修済みの学生は履修できない。 Lectures are conducted in English. JTP
BC51584	English Debate	2.0	2 - 4	SprAB	Wed5,6	3A203	Abdul Malek Mohammad	This course is mainly for sophomore students for developing their capacity of english discussion on international development issue in the contemporary global context. The course particularly focuses on development and sustainable development goals, global poverty, inequality and social business, citizens' basic needs, gender inequality, climate change, african green revolution, population and migration, society 5.0, etc. Each week english debate will be conducted at semi-parliamentary style debate. Students also need to submit a short term paper at the end.	国際総合学類の学生のみ対象。2019年度入学者については別途クラス分けを指示する。2018年度以前入学者については、学籍番号偶数番の学生のみ対象。BC51581を履修済みの学生は履修できない。 Lectures are conducted in English. JTP
BC11171	Political Philosophy	2.0	2 - 4	SprAB	Tue5,6	3K102	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 BE22081. Lectures are conducted in English. JTP
BC11461	Public Policy	2.0	2 - 4	SprAB	Thu1,2	共同利用棟 A101	Edson Ioshiaqui 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. Identical to BB11881 and BE22051. Lectures are conducted in English. JTP G科目
BC11511	Linguistic Anthropology	2.0	2 - 4	SprAB	Tue1,2	共同利用棟 A201	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. Enrollment will be limited to 100 students.	Identical to BE22501. Lectures are conducted in English. JTP (旧「人類言語学」)
BC16011	Mathematical Economics	2.0	2 - 4	SprAB	Mon5,6	1B203	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 goal of this course is to give the students skills to apply the mathematical methods to solution of economics problems.	Identical to BB41561 and BE22851. Lectures are conducted in English. JTP
BC12061	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 prerequires Introductory Statistics.	Identical to BE22231. Lectures are conducted in English. JTP
BC12241	International Education	2.0	2 - 4	SprAB	Tue3,4	3A301	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 BE22521. Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BC12291	Social Anthropology	2.0	2 - 4	Annual	Intensive		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	Fri5,6	1C306	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.	Identical to BE22861. Lectures are conducted in English. JTP

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	Thu3,4	1C306	Katsunori Seki	The course introduces students to the fundamental of international relations and international political economy. The course begins with an overarching framework to study international politics and international political economy. The course covers a wide range of topics including causes of war, domestic politics and war, international institutions and war, civil war and terrorism, international trade, international financial relations, international monetary relations, and development. All students are expected to actively participate in the classroom discussion.	equivalent to "International Studies II" in 2010 Lectures are conducted in English. 主専攻必修科目。 JTP
BE21051	Academic Writing for Social Sciences II	2.0	1, 2	SprBC	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. 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	1B208	Takashi Tanaka	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.	The number of students is limited to 25.This class is aiming for an equivalent of N3 of the Japanese Language Proficiency Test. 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 The number of students is limited to 35. (equivalent to "Introduction to Information Processing" in 2010-2012)
BE21861	Principles of Economics	2.0	1, 2	SprAB	Mon1,2	1C406	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
BE21871	Monetary Economics	2.0	3, 4	SprAB	Thu5,6	1B208	Abu Girma Moges	This course deals with the monetary theory and policy in the context of modern economies. It addresses the role and definition of money in the economy, the microeconomic and macroeconomic aspects of money, the demand for money, the supply of money and interest rates, monetary policy making and instruments of monetary policy, and central banking at theoretical and practical levels. The course equips students with the skills to understand the operation of modern economies and the main monetary aggregates of an economy over time and across countries and its implications on economic welfare indicators.	Lectures are conducted in English. JTP G-course

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BE22051	Public Policy	2.0	2 - 4	SprAB	Thu1,2	Joint Use Facility Bld. A Room 101	Edson Ioshiaqui 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. Identical to BB11881 and BC11461. Lectures are conducted in English. JTP G-course
BE22081	Political Philosophy	2.0	2 - 4	SprAB	Tue5,6	3K102	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
BE22231	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 prerequires Introductory Statistics.	Identical to BC12061. Lectures are conducted in English. JTP
BE22501	Linguistic Anthropology	2.0	2 - 4	SprAB	Tue1,2	Joint Use Facility Bld. A Room 201	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	1限目のみ3A403教室で実施 Identical to BC11511. Lectures are conducted in English. JTP (former "Anthropological Linguistics")
BE22521	International Education	2.0	2 - 4	SprAB	Tue3,4	3A301	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
BE22801	Economic Growth	1.0	2 - 4	SprAB	Wed6	1C403	Masako Ikefuji	This course introduces students to the introductory theory of economic growth, mainly, the Solow Model, necessary for understanding the concept and determinants of economic growth. The goal of this course is to give the students skills to apply the basic theory and competences to discuss various issues related to economic growth.	Identical to BB41551. Lectures are conducted in English. JTP G-course
BE22851	Mathematical Economics	2.0	2 - 4	SprAB	Mon5,6	1B203	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 goal of this course is to give the students skills to apply the mathematical methods to solution of economics problems.	Identical to BB41561 and BC16011. Lectures are conducted in English. JTP

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	SprABC	By Request		Dean and others, Nakao Nomura	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, Nakao Nomura	Seminar on the special research field for each individual student	JTP学生のみ対象
BE22861	Health Economics	2.0	2 - 4	SprAB	Fri5,6	1C306	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.	Identical to BC12921. Lectures are conducted in English. JTP

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
EB50211	Plant Taxonomy I	1.0	2・3	SprAB	Fri2	2C404	Ken-ichiro Ishida	植物界を構成する多様な分類群を系統分類学的視点より各論的に詳説し、各分類群の認識を深める。原核藻類、紅色植物、黄色植物、褐藻植物、ハプト植物、ユーグレナ植物などを学ぶ。 Diversity, classification, morphology, ultrastructure, life history and phylogeny of non-green algae — glaucophytes, rhodophytes, cryptophytes, chlorarachniophytes, euglenophytes, dinoflagellates, haptophytes, and stramenopiles.	Lectures are conducted in English. 多様性コース GloBEコース I・II・IIIを通年で履修することが望ましい。 JTP EG20211修得者の履修は認めない。
EB62011	Genome Biology I	1.0	2・3	SprAB	Tue1	2B309	Hidekazu Kuwayama	ゲノムは生物の性質を決める遺伝情報の総体である。この授業では、「ゲノム」の成り立ちおよび構造と機能について学ぶが、ゲノム解析に必要な分子生物学とバイオインフォマティクスの手法にも力を入れて解説する。 Lectures will cover basic knowledge on the structure and function of the genome, as well as technologies for DNA and genome analyses.	Lectures are conducted in English. 情報コース GloBEコース JTP EG22011修得者の履修は認めない。
EB63111	Molecular Evolution I	1.0	2・3	SprA SprB	Mon2	2B208 2B209	Yuji Inagaki	分子進化学はDNAやタンパク質などの情報高分子に基づいて生物の進化を解明することを目指す研究分野である。本講義では、分子進化の基礎概念および分子系統樹法の基礎について解説する。	Identical to FCC4121. Lectures are conducted in English. 情報コース GloBEコース JTP
EB64111	Theoretical Ecology	1.0	2・3	SprAB	Thu1	2D204	Yukihiko Tokunaga(Toque naga)	数理モデルなどによる理論的研究と、野外データに基づく生態学的研究の橋渡しをする手法として、実験個体群を用いた理論生態学的研究を紹介する。 This course illustrates theoretical aspects of ecology with examples of laboratory experiments to connect mathematical expressions with ecological phenomena in nature.	Lectures are conducted in English. 情報コース JTP EG34111修得者の履修は認めない。
EB72911	Marine Biology I	1.0	2・3	SprAB	Wed3	2B411	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.	Lectures are conducted in English. 分子細胞コース JTP EG22911修得者の履修は認めない。
EB74111	Plant Physiology I	1.0	2・3	SprAB	Fri1	2B411	Shinobu Satoh, Jun Furukawa, Kenji Miura, Louis John Irving, Michiyuki Ono	高等植物の生活史における様々な生理現象と環境要因との関わりについて個体から細胞レベルの観点から最新の分子知見も交えながら概説する。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.	Lectures are conducted in English. 分子細胞コース GloBEコース JTP EG24111修得者の履修は認めない。
EB74211	Metabolic and Physiological Chemistry I	1.0	2・3	SprAB	Thu1	2B508	Iwane Suzuki	細胞の基本的な物質およびエネルギー代謝および制御系について解説する。特に、炭素代謝、窒素代謝、硫黄代謝等の一次代謝系に焦点を合わせる。先端研究の例を取り上げつつ講義をするが、生化学の基礎知識の充実に資するよう丁寧な解説を行う。 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.	Lectures are conducted in English. 分子細胞コース JTP EG24211修得者の履修は認めない。
EB83141	Plant Biotechnology I	1.0	2・3	SprC	Tue・Thu1-5		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.	Lectures are conducted in English. 応用生物コース JTP EB83111,EG33111修得者の履修は認めない。

College of Physics (物理学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
FCC4121	Molecular Evolution I	1.0	4	SprA SprB	Mon2	2B208 2B209	Yuji Inagaki	分子進化学はDNAやタンパク質などの情報高分子に基づいて生物の進化を説明することを目指す研究分野である。本講義では、分子進化の基礎概念および分子系統樹法の基礎について解説する。	Identical to EB63111. Lectures are conducted in English. 情報コース GloBEコース 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
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 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 Policy and 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	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 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		Aranha, Claus	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
HE22031	Mastering the TOEFL Test	1.0	2	SprBC	Tue4		Thomas Mayers	TOEFL ITPの得点力向上に役立つリスニング、記述、読解のトレーニングを行う。TOEFLに出題される学術英語や、英語一般の理解力の向上も目指す。 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. Students should obtain permission of the instructor before taking this course.
HE24001	Basis of Reading of English Literatures on Medical Sciences	1.5	3・4	SprB SprAB	Wed1 Mon1	4B209	Kazuya Morikawa, Emiko Noguchi, Kazuko Shibuya, Aya Fukuda, Yuji Funakoshi, Kunio Kawanishi	医科学英語の論文(文献)を読むことで医科学の技術や最新情報を得ることは、医療科学分野の学習や研究をするものにとって情報収集の基盤です。将来、自ら医科学研究を計画し推進するに当たって、医科学英語論文の構造を理解しながら、英文で研究成果を発信するための基盤を形成するために、「医科学英語論文の読み方」の基礎を教授する。 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. Students should obtain permission of the instructor before taking this course.
HE40231	Clinical pharmacology	1.0	3	SprC	Wed・Thu3		Norihiko Oobayashi, Yuji Funakoshi	臨床で用いられるいろいろな薬物について、特有の効果を発現するメカニズムについて学ぶ。薬物の適応症と禁忌について理解させる。これらを通じて生体機能についての理解を深める。 ●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. Students should obtain permission of the instructor before taking this course.
HE41241	Genetic Testing and Chromosome Analysis	1.0	3	SprC	Intensive		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 tudents will discuss the contents of the materials provided and students will take short tests.	医療科学類国際医療科学専攻学生に限る。Lectures are conducted in English. Lectures are conducted in English. 7/8-7/31 この期間内で講義予定 詳細後日周知
HE33023	Practice of Clinical Microbiology	1.5	3	SprAB	Intensive		Kazuya Morikawa, Masatoshi Miyakoshi	病原微生物学で学習したことをもとに具体的な方法を学ぶ。細菌や寄生虫などの病原微生物の性状と同定法、染色法、感受性試験法などの検査方法を身に付けさせる。また病原微生物の無菌操作、滅菌などの取扱法について習熟させる。 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.	医療科学類生用。平成24年度以降入学者用 5/11-5/29 予定(後日揭示)
HE33033	Practice of Virology	0.5	3	SprB	Intensive		Atsushi Kawaguchi, Kaoru Takeuchi, Kousuke Kato, Takeshi Sekiya	ウイルスの血清診断(HA,HI法)、インフルエンザウイルスとバクテリオファージの増殖と力価測定などを実際に行い、ウイルスの検出、同定のための基礎的手技を身に付けさせる。 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.	医療科学類学生に限る。 6/1-6/5 予定(後日揭示) 詳細後日周知 教室4B112
HE40201	Immunology	2.0	3・4	Annual	By Request		Akira Shibuya, Kazuko Shibuya, Satoko Tahara, Chigusa Oda	免疫システムの基本を学ぶとともに、免疫学の最近のトピックスを紹介し、議論する。 Students will learn hot topics and techniques in molecular immunology fields.	国際医療科学専攻学生に限る。 Lectures are conducted in English.
HE33053	Practice of Immunology	1.0	3	SprA	Intensive	4B112	Kazuko Shibuya, etc.	臨床で行われている種々の免疫検査法を血清学的手法と細胞免疫学的手法の2面から教授し、免疫検査の基本的手技に習熟させる。判定結果の解釈および検体の保存方法、免疫検査全般について十分な技能を身に付けさせる。 In this course, students will learn the principle and the basic technique of immunological test.	医療科学類学生に限る。 4/8-4/17 予定(後日揭示)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
HE34033	Practice of Medical Imaging Technology	1.0	3	SprC	Intensive		Tomonori Isobe, Kenta Takada, Hideyuki Takel, Yutaro Mori	超音波検査、MR検査の特性、原理、撮像技術について実際に撮像を行いながら学ぶ。また、サーベイメータを用いた実習を通して放射線の基本特性を学び、放射線画像の成り立ちを理解する。さらに、ワークステーションを用いて3次元画像を作成する実習を通して人体解剖を理解し、正常画像と疾患画像を比較して読影法について学ぶ。 ・ 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.	医療科学類学生で、画像検査学の単位を取得している者に限る。平成30年度以前入学者用 7/1-8/5 この期間内予定(掲示参照) 詳細後日周知
HE40061	English Communication for Medical Sciences I	3.0	3	SprAB	Intensive	4B119	Satoru Takahashi, Michito Hamada	医科学の基本的考え方、研究手法などについて英語で習得する。 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主専攻学生に限る。 Lectures are conducted in English. 4/8-6/19 予定(掲示参照) 詳細後日周知
HE40091	Topics in Medical Sciences II	1.0	4	SprAB	Tue4	4B119	Kiong Ho, Kouji Hisatake	医科学の各専門領域に関する主体的な学習、討論を通して医科学研究の理解を深める。 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主専攻学生に限る。 Lectures are conducted in English.
HE40263	Seminar on Medical Sciences	1.0	3	Annual	By Request		Emiko Noguchi	医科学に関する演習課題について主体的に調査、解答を行い、医科学の理解をさらに深める。 In this course, students will learn the basic knowledge and background related to their own research by reading and summarizing scientific papers.	国際医療科学主専攻G30コース学生に限る。 Lectures are conducted in English.
HE40252	Research Seminar	4.0	3	Annual	By Request		Emiko Noguchi	指導教員の指導のもとにテーマを設定して研究を行う。これにより医科学研究遂行に必要な基礎的技術の修得および問題解決能力の体得を図る。 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.	国際医療科学主専攻G30コース学生に限る。 Lectures are conducted in English.
HE40273	Graduation Research	8.0	4	Annual	By Request		Emiko Noguchi	指導教員の指導のもとにテーマを設定して研究を行う。これにより医科学研究遂行に必要な基礎的技術の修得および問題解決能力の体得を図る。 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.	国際医療科学主専攻G30コース学生に限る。 Lectures are conducted in English.

Japanese Language Courses

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	SprABC	Tue1	9P209	Yiyin Chen	中級前期レベルに必要な文法項目を取り上げ、意味、用法、使い方について学ぶ。	外国人留学生のうち特別聴講学生(学群)が受講できる。受講人数制限あり。
3901092	Comprehensive Japanese 4 Speaking and Listening A	1.0	1	SprABC	Fri1	9P209	Chinami Yamamoto	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。受講人数制限あり。
3901112	Comprehensive Japanese 4 Reading and Writing A	1.0	1	SprABC	Thu1	9P209	Keiko Hori	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。受講人数制限あり。
3901132	Comprehensive Japanese 5 Grammar A	1.0	1	SprABC	Tue2	9P209	Mami Ishida	中級中期レベルに必要な文法項目を取り上げ、意味、用法、使い方について学ぶ。	外国人留学生のうち特別聴講学生(学群)が受講できる。受講人数制限あり。
3901152	Comprehensive Japanese 5 Speaking and Listening A	1.0	1	SprABC	Fri2	9P209	Keiko Hori	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。受講人数制限あり。
3901172	Comprehensive Japanese 5 Reading and Writing A	1.0	1	SprABC	Thu2	9P209	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。受講人数制限あり。
3901192	Comprehensive Japanese 1 A	4.0	1	SprABC	Tue・Wed・Thu・Fri4	9P209	Masaki Ono, Changyun Moon	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。受講人数制限あり。
3901212	Comprehensive Japanese 2 A	4.0	1	SprABC	Tue・Wed・Thu・Fri2	9P203	Changyun Moon	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。受講人数制限あり。
3901232	Comprehensive Japanese 3 A	4.0	1	SprABC	Tue・Wed・Thu・Fri3	9P209	Bushnell Cade Conlan	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。受講人数制限あり。
3901252	Comprehensive Japanese 4 Seminar A	1.0	1	SprABC	Wed1	9P209	Jiro NAKANO	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。受講人数制限あり。
3901272	Comprehensive Japanese 5 Seminar A	1.0	1	SprABC	Wed2	9P209	Jiro NAKANO	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。受講人数制限あり。
3901292	Comprehensive Japanese 6 Grammar A	1.0	1	SprABC	Tue3	9P102	Sanghee AHN	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。受講人数制限あり。
3901312	Comprehensive Japanese 6 Speaking and Listening A	1.0	1	SprABC	Fri3	9P102	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。受講人数制限あり。
3901332	Comprehensive Japanese 6 Reading and Writing A	1.0	1	SprABC	Thu3	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。受講人数制限あり。
3901352	Comprehensive Japanese 6 Seminar A	1.0	1	SprABC	Wed3	9P102	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。受講人数制限あり。
3901372	Comprehensive Japanese 7 Grammar A	1.0	1	SprABC	Tue4	9P102	Yiyin Chen	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。受講人数制限あり。
3901392	Comprehensive Japanese 7 Speaking and Listening A	1.0	1	SprABC	Fri4	9P102	Ai Sukegawa	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。受講人数制限あり。

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3901412	Comprehensive Japanese 7 Reading and Writing A	1.0	1	SprABC	Thu4	9L101	Kenichi Nakayama	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。受講人数制限あり。
3901432	Comprehensive Japanese 7 Seminar A	1.0	1	SprABC	Wed4	9P102	Jiro NAKANO	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。受講人数制限あり。
3901452	Varieties of Japanese I A	1.0	1	SprABC	Tue5	9P209	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。受講人数制限あり。
3901472	Varieties of Japanese II A	1.0	1	SprABC	Mon5	9P209	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。受講人数制限あり。
3901552	Japanese Project II A	1.0	1	SprABC	Thu5	9P209	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。受講人数制限あり。
3901592	Japanese Project Work A	1.0	1	SprABC	Fri5	9P209	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。受講人数制限あり。
3901612	Japanese socio-cultural studies (taught in English) A	1.0	1	SprABC	Mon5	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。受講人数制限あり。 Lectures are conducted in English.
3901662	Japanese issues(Culture)(taught in English) A	1.0	1	SprABC	Fri5	9P203	Chinami Yamamoto	Deepen your understanding of Japanese culture.(日本の文化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。受講人数制限あり。 Lectures are conducted in English.
3902012	Kanji 1 A	1.0	1	SprABC	Mon1	9P209	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。受講人数制限あり。
3902032	Kanji 2 A	1.0	1	SprABC	Mon1	9P103	Yiyin Chen	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。受講人数制限あり。
3902052	Kanji 3 A	1.0	1	SprABC	Mon2	9P209	Shinobu Yanagita	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、簡単な文を書くことができる。(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。受講人数制限あり。
3902072	Kanji 4 A	1.0	1	SprABC	Mon2	9P103	Yiyin Chen	初級後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、簡単な作文を書くことができる。(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。受講人数制限あり。
3902092	Kanji 5 A	1.0	1	SprABC	Mon3	9P209	Eri Mitani	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。受講人数制限あり。
3902112	Kanji 6 A	1.0	1	SprABC	Mon3	9P103	Yiyin Chen	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。受講人数制限あり。
3902132	Kanji 7 A	1.0	1	SprABC	Mon4	9P103	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ようにする。(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。受講人数制限あり。
3902232	Kanji 8 A	1.0	1	SprABC	Mon5	9P103	Mami Ishida	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ようにする。(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。受講人数制限あり。 3902152習得済みの者は履修できない。

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。

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	9P203	関 裕子	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。	外国人留学生及び帰国生徒等が履修可能。受講人数制限あり。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	9P209	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。	外国人留学生及び帰国生徒等が履修可能。受講人数制限あり。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	9P203	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。	外国人留学生及び帰国生徒等が履修可能。受講人数制限あり。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	9P103	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。	外国人留学生及び帰国生徒等が履修可能。受講人数制限あり。日本語演習A修得済みの者は履修できない。

Fall Semester (October 2020 - March 2021)

Courses Open to Exchange Students

Multidisciplinary Subjects (総合科目)

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	FallAB	Fri3	Joint Use Facility Bld. A Room 103	Edson Ioshiaqui Urano,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 Undergraduate Program of International Social Studies, JTP and other international students JTP CDP

Multidisciplinary Subjects II

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
1A90011	Japanese Issues I(Japanese Nature and Geography)	1.0	1, 2	Spr Vac	Intensive	9L202	Chinami Yamamoto	In this course, we will read about and discuss various topics relating to the nature and geography of Japan.	Limited to 30 students. Lectures are conducted in English. JTP Changes will be posted on the bulletin boards etc.
1A90081	Food and Forest	1.0	1, 2	FallAB	Mon2	2B507	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	FallAB	Mon2	Joint Use Facility Bld. A Room 203	Edson Ioshiaqui Urano,Masako Ikefuji,Chihoko Morita	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
1C90011	Japanese Culture	1.0	1, 2	FallAB	Mon1	9L202	Chinami Yamamoto	In this course, we will read about and discuss various topics relating to minds of Japanese and Japanese culture.	Limited to 30 students. Open in an even number year. Lectures are conducted in English. JTP
1C90031	Career Design I	1.0	1, 2	FallAB	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.	Limited to 30 students. Lectures are conducted in English. JTP Changes will be posted on the bulletin boards etc.

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	FallAB	Wed2	1E203	Abu Girma Moges	This course deals with advanced and contemporary topics in social sciences from the conceptual, practical, and public policy perspectives. The course will cover topics ranging from economic development, inequality and poverty, inter-and-intra national migration, political economics of public policies, sustainable development, and the prospects as well as the challenges of globalization.	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
AE13E81	Introduction to Japanese Culture	1.0	2	FallAB	Tue6	2G407	Nobutaka Suzuki	This class is to provide students with basic ideas and knowledge to understand the historical development of Japanese culture. It will particularly examine how Japan has created its unique religious tradition and practice through accepting Chinese influences.	2018年度以前の日本語・日本文化学類入学者はAE12に相当。This course is taught in English. 英語で授業。 JTP G科目

College of Social Sciences (社会学類)

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BB41381	Comparative Study on Socio-Economic System	2.0	2 - 4	FallAB	Mon3,4	3A312	Yoko Tanaka	This course provides an overview on the labor relations from comparative view. Particularly focusing the precare atypical work, the changing structure of labor forms and its problems would be examined and discussed.	Course in 2020 西暦偶数年度開講。 Identical to BC11891 and BE22251. Lectures are conducted in English. JTP Identical with "Comparative Study on Socio-Economic System" given until 2014
BB41401	Contemporary Issues in Developing Countries	2.0	2 - 4	FallAB	Fri4,5	3K102	Yuko Nakano	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 BC12121 and BE22871. Lectures are conducted in English. JTP

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
BC11121	International Politics	2.0	2 - 4	FallAB	Tue5,6	3A304	Takafumi Ontomo	This course examines various theories and cases to understand the dynamics of international politics.	Identical to BE22071. 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.	Identical to BE22101. Lectures are conducted in English. JTP
BC11351	Globalization and Development	2.0	2 - 4	FallAB	Tue・Fri2	3B402	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 BE22471. Lectures are conducted in English. JTP G科目
BC11881	Japanese Economy	2.0	2 - 4	FallAB	Mon5,6	3B203	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 BE22221. Lectures are conducted in English. JTP
BC11891	Comparative Economics	2.0	2 - 4	FallAB	Mon3,4	3A312	Yoko Tanaka	This course provides an overview on the labor relations from comparative view. Particularly focusing the precare atypical work, the changing structure of labor forms and its problems would be examined and discussed.	Course in 2020 西暦偶数年度開講。 Identical to BB41381 and BE22251. Lectures are conducted in English. JTP Identical with "Comparative Study on Socio-Economic System" given until 2014
BC11961	Japan and the World	2.0	2 - 4	FallAB	Mon3,4	3A403	Liang Pan	This course focuses on the history of Japan's domestic politics and foreign relations from the end of the Second World War till the end of 1970s.	西暦偶数年度開講。 Identical to BE22021. Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BC12221	Social Development	2.0	2 - 4	FallAB	Wed1,2	3A312	Midori Matsushima	People's well-being cannot be achieved by economic growth alone, and the important role of social development has become widely recognised in international development practice. This course is offered for students firstly to increase understandings of why and how social development became a main stream of development by learning historical background and development theory. Secondly, we focus on some key concept and practice including human development, capability approach, participatory approach, and social capital. In the latter half of the course, we learn social development in relation to important development topics namely, poverty, human capital, labour and employment, micro finance, social protection, and human rights and human security. With some examples of on-going development programmes, students will discuss significance and applications of social development in practical field, and how we can improve development programmes towards sustainable development.	西暦偶数年度開講。 Identical to BE22451. 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	Thu5,6	1E402	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 BE22821. Lectures are conducted in English. JTP
BC12121	Contemporary Issues in Developing Countries	2.0	2 - 4	FallAB	Fri4,5	3K102	Yuko Nakano	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 BE22871. Lectures are conducted in English. JTP
BC51081	Intro-Intermediate Macroeconomics	2.0	2	FallAB	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.	Identical to BE21231. Lectures are conducted in English. JTP
BC51161	Media Politics	2.0	1 - 3	FallAB	Mon1,2	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.	Identical to BE21241. Lectures are conducted in English. JTP
BC51181	Statistics	2.0	1 - 3	FallAB	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 BE22321. Lectures are conducted in English. JTP
BC51314	English Discussion Seminar (A)	2.0	1 - 2	FallAB	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 learn discussion skills through pair work and group activities as well as basic presentation skills. As for international students wishing to take this course, priority will be given to non-native English speaker students.	国際総合学類生のうち、2020年度入学者については別途クラス分けを指示する。2019年度以前入学者は学籍番号偶数番の学生に限定。履修者上限30名。 BC51311を履修済みの学生は履修できない。 Lectures are conducted in English. JTP
BC51324	English Discussion Seminar (B)	2.0	1 - 2	FallAB	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.	国際総合学類生のうち、2020年度入学者については別途クラス分けを指示する。2019年度以前入学者は学籍番号奇数番の学生に限定。履修者上限30名。 BC51321を履修済みの学生は履修できない。 Lectures are conducted in English. JTP
BC51334	English Discussion Seminar (C)	2.0	1 - 2	FallC	Thu・Fri3,4	3A312	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.	国際総合学類生のうち、2020年度入学者については別途クラス分けを指示する。2019年度以前入学者は学籍番号偶数番の学生に限定。履修者上限30名。 BC51331を履修済みの学生は履修できない。 Lectures are conducted in English. JTP

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
BC51344	English Discussion Seminar (D)	2.0	1 - 2	FallAB	Wed5,6	3A209	Midori Matsushima	This is an introductory course for students who are eager to improve their English discussion skills. Because this is an introductory course, students are given the opportunity to learn and practice effective delivery of their ideas and attentive listening to others' opinions as a preparation for discussion. Discussion topics will be related to global issues, and students are expected to actively participate.	国際総合学類生のうち、2020年度入学者については別途クラス分けを指示する。2019年度以前入学者は学籍番号奇数番の学生に限定。履修者上限30名。BC51541を履修済みの学生は履修できない。Lectures are conducted in English. JTP
BC12251	Outline of Japanese Education	2.0	2 - 4	FallAB	Tue3,4	3A207	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 BE22551. Lectures are conducted in English. JTP

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	FallAB	Thu4,5	1E302	Edson Ioshiaqui 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.	Limited to 35 students. Lectures are conducted in English. JTP
BE21071	Japanese Learning Support I	2.0	1, 2	FallAB	Mon4,5	1E205	Takashi Tanaka	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.	The number of students is limited to 25. This class is aiming for an equivalent of N2 of the Japanese Language Proficiency Test. JTP
BE21081	Japanese Learning Support II	2.0	1, 2	FallC	Mon4,5 Thu3,4	Joint Use Facility Bld. A Room 101	Takashi Tanaka	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.	The number of students is limited to 25. This class is aiming for an equivalent of N2 (N3) of JLPT. JTP
BE21151	Readings of Japanese Studies	2.0	2	FallB	Intensive		Takuya Hasegawa	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
BE21231	Intro-Intermediate Macroeconomics	2.0	2	FallAB	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.	Identical to BC51081. Lectures are conducted in English. JTP
BE21241	Media Politics	2.0	1 - 3	FallAB	Mon1,2	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.
BE22021	Japan and the World	2.0	2 - 4	FallAB	Mon3,4	3A403	Liang Pan	This course focuses on the history of Japan's domestic politics and foreign relations from the end of the Second World War till the end of 1970s.	Open in an even number year. Identical to BC11961. Lectures are conducted in English. JTP
BE22071	International Politics	2.0	2 - 4	FallAB	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	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.	Identical to BC11271. 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	FallAB	Mon5,6	3B203	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
BE22251	Comparative Economics	2.0	2 - 4	FallAB	Mon3,4	3A312	Yoko Tanaka	This course provides an overview on the labor relations from comparative view. Particularly focusing the precare atypical work, the changing structure of labor forms and its problems would be examined and discussed.	Course in 2020 Open in an even number year. Identical to BB41381 and BC11891. Lectures are conducted in English. JTP Identical with "Comparative Study on Socio-Economic System" given until 2014
BE22321	Statistics	2.0	2	FallAB	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
BE22451	Social Development	2.0	2 - 4	FallAB	Wed1,2	3A312	Midori Matsushima	People's well-being cannot be achieved by economic growth alone, and the important role of social development has become widely recognised in international development practice. This course is offered for students firstly to increase understandings of why and how social development became a main stream of development by learning historical background and development theory. Secondly, we focus on some key concept and practice including human development, capability approach, participatory approach, and social capital. In the latter half of the course, we learn social development in relation to important development topics namely, poverty, human capital, labour and employment, micro finance, social protection, and human rights and human security. With some examples of on-going development programmes, students will discuss significance and applications of social development in practical field, and how we can improve development programmes towards sustainable development.	Open in an even number year. Identical to BC12221. Lectures are conducted in English. JTP Course in 2020. Biennial Course (offered in odd years)
BE22471	Globalization and Development	2.0	2 - 4	FallAB	Tue/Fri2	3B402	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
BE22551	Outline of Japanese Education	2.0	2 - 4	FallAB	Tue3,4	3A207	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
BE22711	Global Society and Criminology	2.0	2 - 4	FallAB	Thu5,6	3A405	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.	Open in even years. This course is available only for students who acquired the credits of Introduction to Law and Law and Society in Japan. Lectures are conducted in English. JTP
BE22821	History of Economic Thought	2.0	2 - 4	FallAB	Thu5,6	1E402	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
BE22871	Contemporary Issues in Developing Countries	2.0	2 - 4	FallAB	Fri4,5	3K102	Yuko Nakano	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

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	FallC	Intensive		Hisae Miyauchi	日本の障害科学について、最近の研究をもとに分かりやすく解説する。	Lectures are conducted in English. JTP G科目 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
EB50171	Animal Systematics II	1.0	2・3	FallAB	Mon2	2B208	Hiroshi Wada	多細胞動物の多様性を、進化生物学的な視点から科学的に理解する方法論を習得する。特に、多細胞体制の成立と起原、二胚葉動物、軟体動物、棘皮動物、脊索動物の体制の進化について、詳細に解説し、現生動物の比較から進化の歴史を再構築する方法について習得する。 Students will learn the methodology to understand the diversity of multicellular animals from the viewpoint of evolutionary biology. In particular, learn in detail the origin of the metazoans, the evolution of the diploblasts, mollusks, echinoderms, and chordates, and learn how to reconstruct the evolutionary history by comparing modern animals.	西暦偶数年度開講。 Lectures are conducted in English. 多様性コース JTP EB50121,EB50131修得者の履修は認めない。
EB50221	Plant Taxonomy II	1.0	2・3	FallAB	Fri2	2B309	Takeshi Nakayama	植物界を構成する多様な分類群を系統分類学的視点より各論的に詳説し、各分類群の認識を深める。緑藻類と陸上植物を中心に学ぶ。 Diversity, classification, morphology, ultrastructure, life history and phylogeny of green plants, including chlorophytes and land plants.	Lectures are conducted in English. 多様性コース I・II・IIIを通年で履修することが望ましい。 JTP EG30221修得者の履修は認めない。
EB59101	Protistology	1.0	2・4	FallC	Fri2,3	2B412	Ken-ichiro Ishida, Yosuke Degawa, Osamu Numata, Hidekazu Kuwayama, Shinichi Miyamura	真核生物の細胞がもつ基本的な構造と機能の大部分は、プロティスト(原生生物)の進化の過程で獲得された。本講義では、進化において重要な位置にあるプロティストの多様性、細胞の構造と機能、進化、生態系での役割等を最新トピックを交えてわかりやすく解説し、プロティストについての知識を深め、プロティストの面白さと重要性の理解を目指す。 Topics in protistology. Cellular evolution, cell biology, sex and reproduction, phylogeny and ecology of protists will be the subjects of this lecture.	Lectures are conducted in English. 多様性コース JTP EG39101修得者の履修は認めない。
EB59151	Vertebrate Evolution	1.0	2・4	FallAB	Tue3	2B507	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.	Lectures are conducted in English. 多様性コース GloBEコース JTP
EB60014	Programming I	1.0	2・3	FallAB	Thu1	2D201	Yukihiko Tokunaga(Toque naga)	生物現象を記述したりモデル化するための、基本となるプログラム技術を解説し、簡単な個体ベースモデルを構築するための技術を紹介する。 In this lecture, students learn programing techniques for manipulating a variety of data. They will also learn simulation techniques with individual-based models. The programming language used is Ruby.	Lectures are conducted in English. 情報コース JTP EG20014修得者の履修は認めない。
EB64021	Biometry II	1.0	2・3	FallAB	Fri3	2D202	Yukihiko Tokunaga(Toque naga)	生物現象を記述するための統計的手法として、ランダム化サンプリングなどのコンピューターを駆使したノンパラメトリックな手法を解説する。 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.	Lectures are conducted in English. 情報コース JTP EG34021修得者の履修は認めない。
EB71031	Cell Biology III	1.0	2・3	FallAB	Thu3	2C404	Tomoki Chiba	生命活動の実行因子であるタンパク質は動的な平衡状態にあり、その制御にはタンパク質の合成経路のみならず分解経路が関与する。個々のタンパク質は選択的に分解されており、その制御は生体の恒常性維持など生命の生存に必須である。本講義では、選択的タンパク質分解を制御する分子機構とその生理的重要性を最新の知見を交えて解説する。 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.	Lectures are conducted in English. 分子細胞コース GloBEコース JTP EB71131,EG35131修得者の履修は認めない。

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
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.	Lectures are conducted in English. 分子細胞コース JTP EG32921修得者の履修は認めない。
EB74131	Plant Physiology II	1.0	2・3	FallAB	Fri1	2B411	Hiroaki Iwai, Takuya Suzuki	近年飛躍的に研究が進んでいる高等植物の分裂組織形成・器官分化制御機構、受粉・受精の機構、自家不和合性、植物微生物共生等の植物生理学上の重要な課題に焦点を絞りつつ、植物生理学の最近の進歩を紹介する。 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.	Lectures are conducted in English. 分子細胞コース JTP EG34131修得者の履修は認めない。
EB74221	Metabolic and Physiological Chemistry II	1.0	2・3	FallAB	Thu1	2B508	Ayumi Minoda, Louis John Irving	一次代謝ネットワークの高度なしくみや二次物質代謝系について取り上げる。更に、生物種特有の代謝系に基づく物質生産やその代謝制御の例を元に、先端的な代謝工学的研究についても解説する。 Nitrogen metabolism, sulfur metabolism, metabolic regulatory mechanisms and the function of trace metals in cellular metabolism are main topics. 外環境・内環境の変動に応答した、細胞内の物質代謝とエネルギー代謝の制御機構について述べる。遺伝子発現、酵素反応、物質輸送の各段階における応答・調節機構、それらを制御するシグナル伝達系を概説する。 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.	Lectures are conducted in English. 分子細胞コース JTP EB74231,EG34231,EG34221修得者の履修は認めない。
EB82131	Chemical Ecology	1.0	2・3	FallAB	Fri4	2C107	Yooichi Kainoh, Shigeru Matsuyama, Keiko Yamaji, Tomoyuki Yokoi, Natsuko Kinoshita	植物と昆虫、植物と微生物、昆虫と昆虫などの個体間相互作用について、同種間で作用するフェロモン、異種間で作用するアレロケミカリスなどを中心に化学的側面からの様々な現象を紹介する。 This lecture introduces chemical aspects of relationships between individual insects, animals, plants and microorganisms of the same (pheromone) or different (allelochemicals) species.	Lectures are conducted in English. 応用生物コース JTP EG32131修得者の履修は認めない。
EB83161	Biotechnology Literacy	1.0	2・3	FallC	Tue・Thu1-5		Kazuo Watanabe, Akira Kikuchi, Michiyuki Ono	Topics covering ethical, legal and social issues in life & environmental sciences.	Lectures are conducted in English. 応用生物コース JTP CDP G科目 EB83131,EG23131修得者の履修は認めない。
EB09103	Seminar in Biology I: Field Guide to Snow Land Animals in Winter	1.5	1・2	Spr Vac	Intensive	Sugadaira	Yukie Sato, Leanne Kay FAULKS, Kensuke Yahata	アニマルトラッキング、バードウォッチングや越冬節足動物の観察などを通して、典型的な中部山岳地帯の積雪期における動物を中心とした生物の生き様に触れ、生物に対する実物に即した認識を深める。A five-day residential course held at the Sugadaira Research Station. 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.	Lectures are conducted in English. 3/8-3/12 JTP 学研災に加入していること。
EB09203	Seminar in Biology II: Guide to Seashore Animals and Plants	1.5	1・2	Spr Vac	Intensive	Shimoda	Shunsuke Yaguchi, Hiroaki Nakano, Sylvain Leonard Georges Agostini	フィールドに出て海岸動物の採集と観察を行う。主に潮間帯の砂浜や磯において採集や計測を行い、実験室で生物の形態や行動の観察を行う。海岸の生物多様性と生物間の相互関係について学ぶことを目的とする。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. 3/1-3/5 JTP 学研災に加入していること。

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
EC31251	Cell Structure and Function	1.0	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 EG50031. Lectures are conducted in English. JTP
EC00021	Special Seminar II	1.0	1	FallABC	By Request		Dean and others, Nakao Nomura	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, Nakao Nomura	Seminar on the special research field for each individual student	JTP学生のみ対象

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
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

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 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	FallAB	Wed3	3A213	Noriyuki Hori, Sandra Milena Puentes	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 Policy and 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	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 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		Aranha, Claus	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
HE30033	Practice of Clinical Pharmacology	1.0	3	FallA	Wed4,5 Thu3,4	4B112	Norihiko Oobayashi, Yuji Funakoshi, Kouichi Hashimoto, Takeshi Machino, Takeshi Yamada	<p>生理活性物質とその作用機序について理解し、薬物の作用機序について、実習を通して学ぶ。また、医薬品開発における臨床試験のプロセス、重要性を、ロールプレイを通して学ぶ。</p> <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。
HE31013	Practice of Histopathology	2.0	2	FallA FallBC FallBC	Tue4,5 Tue4,5 Tue6	4B113	Michio Nagata, Kunio Kawanishi, Yukari Okita	<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"> 1. Understand the practice of hospital pathology laboratory and the role of a technician. 2. Understand the procedures of human tissue preparation and be able to perform them. 3. Explain the theory of each procedure. 4. Able to do basic cytopathology diagnosis. 	医療科学類学生に限る。
HE31043	Practice of Clinical Hematology	1.0	2	FallBC	Intensive		Yuichi Aita	<p>血液検査のうちヘモグロビン濃度、ヘマトクリット、赤血球数、網赤血球数、赤血球指数(恒数)、赤血球浸透圧抵抗試験、補体感受性試験、赤血球沈降速度、白血球数、白血球分画、白血球機能、末梢血塗抹標本の作成と血球形態観察の基本的な手技を教授する。また、血球に関する特殊検査のうち、アルカリホスファターゼ染色、ペロオキシダーゼ染色、エステラーゼ染色などについて教授する。白血球のFAB分類を教授する。</p> <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 11/11-1/21 予定(後日掲示)
HE32013	Practice of Clinical Biochemistry	2.0	2	FallA FallB FallC FallC	Mon4,5 Mon4,5 Mon6 Mon4 Mon5,6	4B211 4B211	Junichi Shouda, Yomishi Nakagawa, Kazuyoshi Yamauchi, Yuichi Aita	<p>血清の生化学成分検査について、糖質、電解質、蛋白、非蛋白窒素、脂質、酵素及びホルモンの定量検査についての検査手技を十分修得させる。また、検査結果をどう評価したらよいかの考え方や、病態解析のための検査法の組み立て方、および精度管理について学生自身が計画を立案して問題解決を図れるような実力を涵養する。</p> <p>Analyze the biochemical components in blood according to the experimental protocols. Evaluate the results taking into account the analytical and physiological change factors.</p>	医療科学類学生に限る
HE40201	Immunology	2.0	3・4	Annual	By Request		Akira Shibuya, Kazuko Shibuya, Satoko Tahara, Chigusa Oda	<p>免疫システムの基本を学ぶとともに、免疫学の最近のトピックスを紹介し、議論する。</p> <p>Students will learn hot topics and techniques in molecular immunology fields.</p>	国際医療科学主専攻学生に限る。 Lectures are conducted in English.
HE40071	English Communication for Medical Sciences II	3.0	3	FallA FallB	Fri5,6 Intensive	4B119	Satoru Takahashi, Michio Hamada	<p>医科学の基本的考え方、研究手法などについて英語で習得する。</p> <p>This course covers a variety of medical science research topics. Students will learn basic concepts, methodology, and scientific thinking through each research topic.</p>	医療科学類国際医療科学主専攻学生に限る。 Lectures are conducted in English. 11/11-12/21 予定(掲示参照)
HE40081	Topics in Medical Sciences I	1.0	3	FallAB	Intensive	4B119	Kiong Ho, Kouji Hisatake	<p>医科学の各専門領域に関する主体的な学習、討論を通して医科学研究の理解を深める。</p> <p>This course provides students with the opportunity to make presentations and discussions on medical science topics.</p>	医療科学類国際医療科学主専攻学生に限る。 Lectures are conducted in English.

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
HE40263	Seminar on Medical Sciences	1.0	3	Annual	By Request		Emiko Noguchi	医学に関する演習課題について主体的に調査、解答を行い、医学の理解をさらに深める。 In this course, students will learn the basic knowledge and background related to their own research by reading and summarizing scientific papers.	国際医療科学主専攻G30コース学生に限る。 Lectures are conducted in English.
HE40252	Research Seminar	4.0	3	Annual	By Request		Emiko Noguchi	指導教員の指導のもとにテーマを設定して研究を行う。これにより医学研究遂行に必要な基礎的技術の修得および問題解決能力の体得を図る。 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.	国際医療科学主専攻G30コース学生に限る。 Lectures are conducted in English.
HE40273	Graduation Research	8.0	4	Annual	By Request		Emiko Noguchi	指導教員の指導のもとにテーマを設定して研究を行う。これにより医学研究遂行に必要な基礎的技術の修得および問題解決能力の体得を図る。 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.	国際医療科学主専攻G30コース学生に限る。 Lectures are conducted in English.
HE40131	Clinical Hematology	2.0	3	FallAB	Intensive			血液の組成、血液の生理的機能、血球の産生とその調節機構、造血因子および造血微小循環などについて教授する。主要な血液疾患の病態生理とその診断のための血液学的検査法の原理と手法、血球の形態学的検査の原理と手法について教授する。白血球の病理的診断(FAB分類)、リンパ腫の病理的診断法を教授する。 ○ 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.	Students should obtain permission of the instructor before taking this course. This course will not be provided in 2020. Lectures are conducted in English.
HE40141	Coagulation and Fibrinolysis	1.0	3	FallC	Intensive			血液の凝固・線溶系の生理的機構を教授し、その失調に伴う出血傾向や血栓症に関する基本的検査法について教授する。凝固・線溶系の検査法の原理と手法、血小板の機能検査の原理と手法について教授する。 ○ 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.	Students should obtain permission of the instructor before taking this course. This course will not be provided in 2020. Lectures are conducted in English.
HE40151	Clinical Pathophysiology	2.0	3	FallAB	Tue・Thu4,5		Yuichi Aita	様々な疾患についての病態生理について詳細に教授する。またそれらの病態と各種臨床検査の成績との関連について解説し、様々な病態において変化する血液酵素などの成分の変動の仕組みを理解させる。患者からもたらされる臨床検査の情報をいかに的確に診断や治療に応用したら良いのか、基本的なものの考え方を十分理解させる。 ○ To obtain the basic knowledge about the pathophysiology of major disorders.	Students should obtain permission of the instructor before taking this course. This course will not be provided in 2020. Lectures are conducted in English.
HE40161	Topics in Vascular Biology	1.0	3・4	FallAB	Intensive		Hiromi Yanagisawa, Yoshito Yamashiro	To provide basic knowledge and understanding of vascular biology, ranging from normal vascular development and physiology to molecular mechanisms of vascular diseases, as well as novel diagnostic and therapeutic approaches. The course aims to solicit active participation of students in lectures and journal clubs.	医療科学類学生に限る Lectures are conducted in English. 10/1-12/15 予定 (後日揭示)

Japanese Language Courses

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	FallABC	Tue1	9P209	Yiyin Chen	中級前期レベルに必要な文法項目を取り上げ、意味、用法、使い方について学ぶ。	外国人留学生のうち特別聴講学生(学群)が受講できる。受講人数制限あり。
3901102	Comprehensive Japanese 4 Speaking and Listening B	1.0	1	FallABC	Fri1	9P209	Chinami Yamamoto	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。受講人数制限あり。
3901122	Comprehensive Japanese 4 Reading and Writing B	1.0	1	FallABC	Thu1	9P209	Keiko Hori	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。受講人数制限あり。
3901142	Comprehensive Japanese 5 Grammar B	1.0	1	FallABC	Tue2	9P209	Mami Ishida	中級中期レベルに必要な文法項目を取り上げ、意味、用法、使い方について学ぶ。	外国人留学生のうち特別聴講学生(学群)が受講できる。受講人数制限あり。
3901162	Comprehensive Japanese 5 Speaking and Listening B	1.0	1	FallABC	Fri2	9P209	Keiko Hori	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。受講人数制限あり。
3901182	Comprehensive Japanese 5 Reading and Writing B	1.0	1	FallABC	Thu2	9P209	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。受講人数制限あり。
3901202	Comprehensive Japanese 1 B	4.0	1	FallABC	Tue・Wed・Thu・Fri4	9P209	Masaki Ono, Changyun Moon	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。受講人数制限あり。
3901222	Comprehensive Japanese 2 B	4.0	1	FallABC	Tue・Wed・Thu・Fri2	9P203	Changyun Moon	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。受講人数制限あり。
3901242	Comprehensive Japanese 3 B	4.0	1	FallABC	Tue・Wed・Thu・Fri3	9P209	Bushnell Cade Conlan	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。受講人数制限あり。
3901262	Comprehensive Japanese 4 Seminar B	1.0	1	FallABC	Wed1	9P209	Jiro NAKANO	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。受講人数制限あり。
3901282	Comprehensive Japanese 5 Seminar B	1.0	1	FallABC	Wed2	9P209	Jiro NAKANO	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。受講人数制限あり。
3901302	Comprehensive Japanese 6 Grammar B	1.0	1	FallABC	Tue3	9P102	Sanghee AHN	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。受講人数制限あり。
3901322	Comprehensive Japanese 6 Speaking and Listening B	1.0	1	FallABC	Fri3	9P102	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。受講人数制限あり。
3901342	Comprehensive Japanese 6 Reading and Writing B	1.0	1	FallABC	Thu3	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。受講人数制限あり。
3901362	Comprehensive Japanese 6 Seminar B	1.0	1	FallABC	Wed3	9P102	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。受講人数制限あり。
3901382	Comprehensive Japanese 7 Grammar B	1.0	1	FallABC	Tue4	9P102	Yiyin Chen	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。受講人数制限あり。
3901402	Comprehensive Japanese 7 Speaking and Listening B	1.0	1	FallABC	Fri4	9P102	Ai Sukegawa	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。受講人数制限あり。
3901422	Comprehensive Japanese 7 Reading and Writing B	1.0	1	FallABC	Thu4	9L101	Kenichi Nakayama	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。受講人数制限あり。

Course Number	Course Name	Credits	Standard Academic Year	Term	Weekday and Period	Class Room	Instructor	Course Overview	Remarks
3901442	Comprehensive Japanese 7 Seminar B	1.0	1	FallABC	Wed4	9P102	Jiro NAKANO	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。受講人数制限あり。
3901462	Varieties of Japanese I B	1.0	1	FallABC	Tue5	9P209	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。受講人数制限あり。
3901482	Varieties of Japanese II B	1.0	1	FallABC	Mon5	9P209	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。受講人数制限あり。
3901562	Japanese Project II B	1.0	1	FallABC	Thu5	9P209	Shinobu Yanagita	日常生活の場面や特定の場所・時間帯で使わ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。受講人数制限あり。
3901602	Japanese Project Work B	1.0	1	FallABC	Fri5	9P209	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。受講人数制限あり。
3901622	Japanese socio-cultural studies (taught in English) B	1.0	1	FallABC	Mon5	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。受講人数制限あり。 Lectures are conducted in English.
3901672	Japanese issues(Culture)(taught in English) B	1.0	1	FallABC	Fri5	9P203	Chinami Yamamoto	Deepen your understanding of Japanese culture.(日本の文化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。受講人数制限あり。 Lectures are conducted in English.
3902022	Kanji 1 B	1.0	1	FallABC	Mon1	9P209	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。受講人数制限あり。
3902042	Kanji 2 B	1.0	1	FallABC	Mon1	9P103	Yiyin Chen	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。受講人数制限あり。
3902062	Kanji 3 B	1.0	1	FallABC	Mon2	9P209	Shinobu Yanagita	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、簡単な文を書くことができる。(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。受講人数制限あり。
3902082	Kanji 4 B	1.0	1	FallABC	Mon2	9P103	Yiyin Chen	初級後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、簡単な作文を書くことができる。(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。受講人数制限あり。
3902102	Kanji 5 B	1.0	1	FallABC	Mon3	9P209	Eri Mitani	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。受講人数制限あり。
3902122	Kanji 6 B	1.0	1	FallABC	Mon3	9P103	Yiyin Chen	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。受講人数制限あり。
3902142	Kanji 7 B	1.0	1	FallABC	Mon4	9P103	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。受講人数制限あり。
3902242	Kanji 8 B	1.0	1	FallABC	Mon5	9P103	Mami Ishida	上級の漢字語彙の読み書きを覚えながら、健康、栄養・化学、物理、環境問題、政治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 L11-16)	外国人留学生のうち特別聴講学生(学群)が受講できる。受講人数制限あり。 3902162習得済みの者は履修できない。

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。

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	9P203	関 裕子	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、話し手の意図を汲み取り、予測する力を身につける。	外国人留学生及び帰国生徒等が履修可能。受講人数制限あり。 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	9P209	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。	外国人留学生及び帰国生徒等が履修可能。受講人数制限あり。 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	9P203	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。	外国人留学生及び帰国生徒等が履修可能。受講人数制限あり。 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	9P103	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、やや抽象的な問題についての口頭発表及びレポート作成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。	外国人留学生及び帰国生徒等が履修可能。受講人数制限あり。 日本語演習B修得済みの者は履修できない。