

*International Student Center*

*University of Tsukuba*

# Undergraduate Course Offerings for Exchange Students 2015-2016

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The courses listed in this document are excerpted for exchange students from the computer files of the “*Kaisetsu Jugyo Kamoku Ichiran 2015–16*” (in Japanese), the English title is *University Undergraduate Course Catalog 2015-2016*, with minor revisions. If there are any discrepancies in description between this document and the catalog, this JTP brochure will prevail.

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

#### Key to the Course List: Japanese – English Translation

月	Monday
火	Tuesday
水	Wednesday
木	Thursday
金	Friday
集中	Intensive Course
時限	Period
留セ	International Student Center (ISC)
随時	By Request
応談	By Appointment

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

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

## Credit Calculation

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

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

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

## Course Offerings According to Semester and Module

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

# Academic Calendar 2015-2016

(Undergraduate School)

Spring Semester													Fall Semester																																				
Pattern 1 (based on modules A ~ C) • 15-week classes for modules A ~ C + final exams													Pattern 2 (based on modules A & B) • 10-week classes for modules A & B + final exams • 5-week classes for module C																																				
Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat																		
Month	Apr							May							Jun							Jul							Aug							Sep													
Remarks	Spring Recess: Apr 1 - 5 Entrance Ceremony: Apr 6 Freshman Course Registration Guidance: Apr 7 Freshman Orientation: Apr 8 - 9 Spring Semester Classes Begin: Apr 10							※Wednesday classes will be held on May 8. Spring Sports Day: May 16 - 17							Spring Modules A and B Final Examination Week: Jun 25 - Jul 1							※Monday classes will be held on Jul 23. First Trimester Commencement Ceremony: Jul 24 (for students admitted in the second trimester, etc.)							Spring Modules A, B and C Final Examination Week: Jul 31 - Aug 6 Spring Semester Classes End: Aug 6 Final Examination Preparation Day: Aug 7 Summer Recess: Aug 8 - Sep 30							Spring Recess: Apr 1 - 5 Entrance Ceremony: Apr 6 Freshman Course Registration Guidance: Apr 7 Freshman Orientation: Apr 8 - 9 Spring Semester Classes Begin: Apr 10							Anniversary of the University: Oct 1 Fall Semester Classes Begin: Oct 1 ※Monday classes will be held on Oct 15. Campus-Wide Power Outage (Tsukuba campus): Late October (TBA) University Festival: Nov 6 - 8 Autumn Sports Day: November 14 - 15 Examination for University Admission upon Recommendation: Nov 26 - 27						
number of school days	15							15							15							15							15							15													

Notes: 1. Dates in bold indicate national holidays and it includes substitute holidays that is designated by the Act on National Holidays. (Spring Equinox Day is subject to change)

2. Final examination weeks are marked with Final examination preparation days are marked with

3. Recesses are marked with

4. Entrance ceremony, Freshman course registration guidance, Freshman orientation and commencement ceremonies are marked with

5. Classes on Friday, November 6 and Monday, November 9 will be recessed due to the University Festival.

6. Classes on Thursday, November 26 - Friday, November 27 will also be recessed due to the Examination for University Admissions upon Recommendation ( *Suisen nyūshi shiken* ) and its related events.

7. Classes on Friday, January 15 and Monday, January 18 will be recessed due to the National Center Test for University Admissions ( *Daijūgaku nyūshi sentai shiken* ) and its related events.

## JTP Academic Courses

● Spring Semester (April-September 2015)

### College of International Studies (国際総合学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BC11171	Political Philosophy	2.0	2 - 4	SprAB	Tue5,6	3K302	Charles Edward Covell	This course provides an introduction to the work of the classic thinkers who belong to the Western tradition in political philosophy, and in this to meet the basic educational needs of students specializing in the various areas of politics, law and economics. It is recognized that political philosophy is often held to be a 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
BC11351	Globalization and Development	2.0	2 - 4	SprAB	Tue/Fri4	3K202	Nathan Gilbert Quimpo	This course examines the politics of development in the era of globalization, exploring major issues and problems being encountered and confronted by the developing countries in the contemporary period. There will be lectures, videos, discussions and debates on globalization theory, major development issues, politics in the developing world, and the impact of globalization on developing countries.	Identical to BE22471. Lectures are conducted in English. JTP G-course
BC11411	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. Identical to BB41601, BE22271, FH21081, and FH25051. Lectures are conducted in English. JTP
BC11461	Public Policy	2.0	2 - 4	SprAB	Thu2,3	3B301	Ioshiaqui Edson Urano	The objective of this course is to provide students with basic knowledge to understand public policies, with special focus on the role of economic and social policies in society.	Identical to BB11881 and BE22051. Lectures are conducted in English. JTP G-course
BC11471	Transnational Social Policy	2.0	2 - 4	SprAB	Thu1,2	3B406	Ioshiaqui Edson Urano	Globalization has brought many changes in social life, including increasing flows of financial resources, goods and persons. Among the new challenges these changes pose to governments and civil society is the need to create new social agenda and to develop social policies. The aim of this course is to discuss these challenges for the 21st Century from a transnational perspective	Biennial Course (offered in odd years) Open in an odd number year. Identical to BB11861 and BE22401. Lectures are conducted in English. JTP G-course
BC11511	Linguistic Anthropology	2.0	2 - 4	SprAB	Tue1,2	3B402	Risako Ide	An introduction to linguistic anthropology, this course explores the relationship between language and culture, especially on how language reflects culture and how culture creates language. Through the lectures, required readings, group discussions, and student projects, we will learn the roles and functions of language in creating universal as well as cultural-specific worldviews.	Identical to BE22501. Lectures are conducted in English. JTP (former &quot;Anthropological Linguistics&quot;)
BC11521	Intercultural Communication	2.0	2 - 4	SprAB	Tue5,6	3A207	Emi Hamana	This course will explore intercultural communication with a focus on cultural differences, conflict management and effective communication.	Identical to BE22511. Lectures are conducted in English. JTP
BC11881	Japanese Economy	2.0	2 - 4	SprAB	Mon5,6	3B202	Yoshinori Kurokawa	The main purpose of this course is to understand basic facts about the Japanese Economy. We analyze those facts both empirically and theoretically and relate most Japanese issues to those in the U.S.	Identical to BE22221. Lectures are conducted in English. JTP
BC11911	Japanese Foreign Policy	2.0	1 - 3	SprAB	Mon5,6	3K102	Liang Pan	This course examines the historical background of modern Japan's foreign policymaking from early 1890s till the end of the Second World War (1945). Main emphasis of the lectures will be placed on the interaction between Japanese domestic politics and foreign affairs.	Open in an odd number year. Identical to BE22031. Lectures are conducted in English. JTP
BC12241	International Education	2.0	2, 3	SprAB	Tue3,4	3K404	Masako Shibata	This course invites both overseas and Japanese students. The major purpose of the course is to enable students to learn about issues and current trends in educational studies in international perspectives. It deals with themes, such as development, colonial legacy and global interaction, in education.	Identical to BE22521. Lectures are conducted in English. JTP
BC12291	Social Anthropology	2.0	2 - 4	SprC	Tue/Thu 1,2	3A203	Toru Yamada	The goal of this course is to enable students to critically analyze Japanese society from an anthropological perspective. 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. Using Japan as one of our regional foci, we will review the basic concepts and approaches of anthropology.	Lectures are conducted in English. JTP

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BC12901	Introduction into General Management	2.0	1	SprAB	Fri4,5	3A213	Martin Pohl	This class will give an overview of business administration as science. The basic fields of management will be put into context: production and costing, marketing and distribution, finance and accounting, human resources. Particular attention will be focused on both Japanese management style where different from continental European approach and ethics.	Identical to BE21221. Lectures are conducted in English. JTP G-course
BC16011	Mathematical Economics	2.0	2 - 4	SprAB	Thu1,2	3A408	Abu Girma Moges	This course introduces students to the most fundamental analytical tools of mathematics for economics. It provides the necessary skills and training to use mathematical approach in economic analysis. The course emphasizes on mathematical approaches to economic theory.	Biennial Course (offered in odd years) Open in an odd number year. Identical to BE22851. Lectures are conducted in English. JTP
BC51571	English Debate	2.0	1, 2	SprAB	Wed5,6	3A207	Charles Edward Covell	This advanced-level course deals with major, hotly debated issues in the contemporary world, such as the Middle East conflict, US global power, human rights, democratization, nuclear proliferation, gender inequality, global warming and migration. It seeks to deepen the students' understanding and sharpen their analysis of major global "current events" and issues, as well as to develop the students' presentation and debating skills in English. In every session, there will be powerpoint presentations by the instructor and the showing of video documentaries, but debates between teams of students will be the main feature of the course.	国際総合学類の学籍番号奇数番の学生のみ対象 Lectures are conducted in English. JTP
BC51581	English Debate	2.0	1, 2	SprAB	Wed5,6	3A203		This course focuses on discussion in English of some issues such as corporate social responsibility, the independence of Hong Kong, Sino-Japan relations, and globalization. The weekly session is made up of two parts. The first part features a short input on the topic by the instructor. In the second part, there will be debates between or among the pre-assigned groups. Or else, students will be assigned to groups based on their case and argument preferences.	国際総合学類の学籍番号偶数番の学生のみ対象 Lectures are conducted in English. JTP

### College of Social Sciences (社会学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BB11861	Transnational Social Policy	2.0	2 - 4	SprAB	Thu1,2	3B406	Ioshiaqui Edson Urano	Globalization has brought many changes in social life, including increasing flows of financial resources, goods and persons. Among the new challenges these changes pose to governments and civil society is the need to create new social agenda and to develop social policies. The aim of this course is to discuss these challenges for the 21st Century from a transnational perspective	Biennial Course (offered in odd years) Open in an odd number year. Identical to BC11471 and BE22401. Lectures are conducted in English. G-course JTP
BB11871	Social Issues in Contemporary Japan	2.0	1, 2	SprAB	Wed4,5	3A305	Ioshiaqui Edson Urano	The aim of this course is to analyze the social and economic changes in Japan, with particular focus on changes in the nature of work in society and its implications in Contemporary Japanese society, including complex issues such as migration, foreign workers, ageing society, job hunting, working poor and inequality.	Identical to BE21181. Lectures are conducted in English. G-course JTP
BB11881	Public Policy	2.0	2 - 4	SprAB	Thu2,3	3B301	Ioshiaqui Edson Urano	The objective of this course is to provide students with basic knowledge to understand public policies, with special focus on the role of economic and social policies in society.	Identical to BC11461 and BE22051. Lectures are conducted in English. G-course JTP
BB28021	Law and Society in Japan	2.0	1, 2	SprAB	Wed1,2		Tomoko Ishikawa	This course is to provide an introduction to law and to the Japanese legal system. The topics covered by this course include the development of Japanese law, the basic structure of Japanese law, criminal and civil law of Japan and future prospects of Japanese law and legal system.	Identical to BE21351. Lectures are conducted in English. JTP
BB28701	Japanese Legal Proceedings	1.0	2 - 4	SprC Sum Vac	Intensive	1B201	Masako Murakami	This course will give an overview of Japanese legal procedure and describe fundamental concepts of Japanese justice system, with the emphasis placed on civil procedure which administers the process for the resolution of civil disputes.	Priority to G30 and JTP Identical to BE21821. Lectures are conducted in English. G-course
BB41601	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. Identical to BC11411, BE22271, FH21081, and FH25051. Lectures are conducted in English. JTP

## College of Biological Sciences (生物学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
EB50211	Plant Taxonomy I	1.0	2, 3	SprAB	Fri2	2C101	Ken-ichiro ISHIDA	Diversity, classification, morphology, ultrastructure, life history and phylogeny of non-green algae — glaucophytes, rhodophytes, cryptophytes, chlorarachniophytes, euglenophytes, dinoflagellates, haptophytes, and stramenopiles.	Identical to EG20211. Lectures are conducted in English. JTP
EB51011	Marine Biogeochemistry I	1.0	2, 3	SprC	Intensive		Masao ISHII, Masahiro SUZUMURA	This lecture will focus on the physical, chemical and biological environments in ocean with special reference to carbonate system and eutrophication.	Identical to EG21011. Lectures are conducted in English. 7/2-7/3 JTP
EB62011	Genome Biology I	1.0	2, 3	SprAB	Tue1	2B412	hidekazu kuwayama	Lectures will cover basic knowledge on the structure and function of the genome, as well as technologies for DNA and genome analyses.	Identical to EG22011. Lectures are conducted in English. JTP
EB64111	Theoretical Ecology	1.0	2, 3	SprAB	Thu1	2D202	Yukihiko Tokunaga(Toquenaga)	This course illustrates theoretical aspects of ecology with examples of laboratory experiments to connect mathematical expressions with ecological phenomena in nature.	Identical to EG34111. Lectures are conducted in English. JTP
EB72911	Marine Biology I	1.0	2, 3	SprAB	Wed3	2C310	Kazuo Inaba, Sylvain Leonard Georges Agostini	Lecture will give you several topics on physical, chemical and biological properties of ocean to understand the physiology, reproduction, development, biodiversity and ecology of marine invertebrates and fish. This class will especially focus on the following aspects of marine life: life cycle, locomotion, sensory reception, biomineralization, biogeochemical distribution, photosynthesis, respiration, calcification, nitrogen fixation and the impact of climate change. We will give examples of marine organisms under planktonic and benthic conditions and coral reef. The history and present situation of marine biology research will be also included.	Identical to EG22911. Lectures are conducted in English. JTP
EB74111	Plant Physiology I	1.0	2, 3	SprAB	Fri1	2B411	Shinobu Satoh, Jun Furukawa, Kenji Miura	In this lecture, the relationship between various physiological phenomena and the environmental factors in the life history of higher plant will be overviewed for the understanding from the viewpoint at whole plant to cell levels with adding the latest molecular biological findings.	Identical to EG24111. Lectures are conducted in English. JTP
EB74211	Metabolic and Physiological Chemistry I	1.0	2, 3	SprAB	Thu1	2C310	Yoshihiro Shiraiwa, Iwane Suzuki	The main topics for this course will be photosynthetic energy conversion, primary and secondary carbon metabolism including C3, C4 and CAM metabolisms, photorespiration, and respiration.	Identical to EG24211. Lectures are conducted in English. JTP
EB79101	Overview of Algal Biomass	1.0	2 - 4	SprC	Intensive		Iwane Suzuki, Takeshi Nakayama, Yoshida Masaki	Biofuels, especially using algae and protists, phylogenetic diversity and physiology of algae and protists, and a research trend of algal biofuels will be the subjects of this lecture.	Identical to EG39201. Lectures are conducted in English. 7/6-7/7 JTP
EB83141	Plant Biotechnology I	1.0	2, 3	SprC	Intensive		Kazuo Watanabe, Akira Kikuchi, Michiyuki Ono	Lectures will cover topics on plant biotechnology including control of flowering time, circadian rhythms, photoperiodic responses, organ size and responses to environmental stresses.	Identical to EG33111. Lectures are conducted in English. 7/9-7/10 JTP EB83111修得者の履修は認めない。

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
EC00011	Special Seminar I	1.0	1	SprAB C	by request		Dean and others	Seminar on the special research field for each individual student	JTP学生のみ対象
EC00031	Special Seminar III	1.0	1	SprC, FallA	by request		Dean and others	Seminar on the special research field for each individual student	JTP学生のみ対象
EC00041	Special Seminar IV	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Seminar on the Special research related with agro-biological resource sciences for each individual student.	JTP Identical to EG60431. Lectures are conducted in English.
EC00053	Special Seminar V	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Field practice on the special research related with agro-biological resource sciences for each individual student.	JTP Identical to EG60443. Lectures are conducted in English.

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
AE12G21	Introduction to Japanese Culture I	1.5	1 - 4	SprABC	Tue5	2G204	Nobutaka Suzuki	This course is to provide students with a basic knowledge to understand historical development of Japanese culture from the ancient times to the medieval. Special emphasis is placed on how Japan has created her unique religious tradition through accepting Chinese civilization. We will examine how Japanese culture has historically formed over a long period through open and closed diplomatic policy with external world. And we will also focus on the way in which Mahayana Buddhism, originated in India, was introduced to Japan as a foreign ideology, and how its influence has pervaded Japan, resulting in the invention of Japanese Buddhism during the Kamakura period.	This course is taught in English. Lectures are conducted in English. JTP G-course
AE12H11	Formation and Transformation of Contemporary Japanese Society	1.5	2 - 4	SprABC	Thu5	2G304	Nobutaka Suzuki	This course is to introduce students to the contemporary Japanese society in anthropological perspective. It pays particular attentions to family, community, class and stratification, work and labor, and mass culture.	This course is taught in English. Lectures are conducted in English. JTP G-course

## College of Engineering Sciences (応用理工学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
FF00208	Laboratories Research	8.0	1	Annual	by appointment		応用理工学類各教員	A student picks up a laboratory from among all the staff belonging to the school. There he/she studies the engineering aspects of his/her choice by attending seminars, performing experiments, or other practices concerning the engineering study. As a summary, the student is required to write a thesis.	JTP学生のみ対象 JTP
FF00308	Laboratories Research	3.0	1	SprABC	by appointment		応用理工学類各教員	A student picks up a laboratory from among all the staff belonging to the school. There he/she studies the engineering aspects of his/her choice by attending seminars, performing experiments, or other practices concerning the engineering study.	JTP学生のみ対象 JTP

## College of Policy Planning Sciences (社会工学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
FH00018	Individual Study	2.0	—	SprAB	Intensive		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.
FH00028	Individual Study II	2.0	—	SprC, FallA	Intensive		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.
FH00048	Independent Study A	3.0	1 - 4	SprABC	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
FH21081	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. Identical to BB41601, BC11411, BE22271, and FH25051. Lectures are conducted in English. JTP
FH25051	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. Identical to BB41601, BC11411, BE22271, and FH21081. Lectures are conducted in English. JTP



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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
FG06058	Project	4.0	1	SprABC	by request		工学システム学類各教員	The students will conduct individual research under the supervision of a professor.	JTP only

### College of Information Science (情報科学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
GB19968	Directed Research in Computer Science A	4.0	3, 4	SprABC	by appointment		情報科学類全教員	受け入れ教員の指導のもと,特定のテーマについて,研究もしくはミニプロジェクトを行う。	JTP及び学類長が履修を認めた者に限る。80コマに相当する。

### School of Art and Design (芸術専門学群)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
Y210612	Seminar : Technique in Oil Painting	4.0	3	Sum Vac	by request		Sadatoshi Naito	アクリル絵具と油絵具の併用による混合技法を通じて、下地、顔料とメデューム、ワニス等について理解する。西洋画の技法の原理について深く理解する。	短期留学生に限る。 Lectures are conducted in English. JTP

●Fall Semester (October 2015-March 2016)

College of International Studies (国際総合学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BC11111	International Labor Law	2.0	2 - 4	FallC, Spr Vac	Intensive		Shin Yamada	To begin with getting basic knowledge in "international law" and "social protection", the course will treat the mechanism and context of international labour law and social security.	Identical to BB28791 and BE22371. Lectures are conducted in English. JTP G-course
BC11121	International Politics	2.0	2, 3	FallAB	Tue5,6	3A304	Takafumi Ohtomo	This course examines various theories and cases to understand the dynamics of international politics.	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
BC11534	Topics in Cross-Cultural Studies	1.0	1 - 3	FallC	Intensive	3K301	Risako Ide	This class provides cross-cultural analysis of communication and expressive culture. Each year, a specific topic will be given in class and we will have a fieldtrip to the National Theater to watch Kabuki, Noh, or Bunraku. Students are expected to work cross-culturally in groups, and come up with their own analysis/observation on the topic of study.	This is an intensive course which CANNOT be registered through TWINS. Please check the posted notice for specific dates and time of the class. All students must be able to attend the four class periods as well as the fieldtrip to Tokyo on the weekend. Priority is given to short-term exchange students and G30 program students who are "International Studies" majors. Japanese students who expect to enroll in this class must be able to pay for their theater tickets. (TWINS上での登録はできません。詳細は掲示をよく確認してください) Lectures are conducted in English.
BC11401	Introductory Econometrics	2.0	2 - 4	Fall Semester	Intensive	3A408		This course provides an introduction to basic econometric methods. Simple regression analysis, properties of the regression coefficients and hypothesis testing, and multiple regression analysis will be covered. Advanced topics such as instrumental variables and limited dependent variable models will be possibly included. This course prerequires Introductory Statistics.	平成25年度以降入学者は国際開発学科学目(BC12061)、平成24年度以前入学者は国際関係学科学目(BC11401)として履修すること。 Identical to BC12061 and BE22231. Lectures are conducted in English. JTP
BC12031	Introductory Statistics	2.0	1, 2	FallAB	Tue1,2	3K404		This course provides an introduction of fundamental concepts and practical methods of statistical inference. Descriptive statistics, basic of probability, random variables, sampling, point estimation, confidence interval, and hypothesis testing will be covered. A preview of the regression analysis, the detail of which will be covered in Introductory Econometrics, will be possibly provided.	Identical to BE22291. Lectures are conducted in English. JTP
BC12061	Introductory Econometrics	2.0	2 - 4	Fall Semester	Intensive	3A408		This course provides an introduction to basic econometric methods. Simple regression analysis, properties of the regression coefficients and hypothesis testing, and multiple regression analysis will be covered. Advanced topics such as instrumental variables and limited dependent variable models will be possibly included. This course prerequires Introductory Statistics.	平成25年度以降入学者は国際開発学科学目(BC12061)、平成24年度以前入学者は国際関係学科学目(BC11401)として履修すること。 Identical to BC11401 and BE22231. Lectures are conducted in English. JTP
BC12121	Contemporary Issues in Developing Countries	2.0	2 - 4	FallAB	Fri3,4	3B405	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
BC12171	Contemporary Culture	2.0	2 - 4	FallC	Tue/Thu 1,2	3A416	Toru Yamada	By reviewing ethnographic literature on Japan, we will explore how anthropologists analyze globalization. Students are expected to critically analyze how a culture is intertwined with and dependent on other cultures. A short ethnographic project is mandatory.	Lectures are conducted in English. JTP
BC12251	Outline of Japanese Education	2.0	2, 3	FallAB	Tue3,4	3K102	Masako Shibata	This course is offered to students who are interested in the historical development of Japanese education. The course looks at the processes of the foundation of the Japanese education system and the formation of a modern state in Japan. Special reference is made to the past and present dimensions of patterns of the cross-national transfer of policy for education. Thus international and comparative perspectives are welcome throughout the course.	Identical to BE22551. Lectures are conducted in English. JTP
BC12261	Population and Development	2.0	2 - 4	FallAB	Tue/Thu 3	3K301	Futoshi Kinoshita	The course is designed to expose students to various population issues and the field of demography, with emphasis on demographic theories and empirical materials of Asian countries. The topics to be covered include historical patterns of population growth, modernization and population, technological progress and population, population and the environment, and population policy.	Identical to BB11461 and BE22571. Lectures are conducted in English. JTP、平成17年度までの「アジアと人口」に相当

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BC12271	Population and History in Japanese Perspective	2.0	2 - 4	FallAB	Tue/Thu 3	3K302	Futoshi Kinoshita	This course is designed to help students gain a better understanding of Japanese society by examining its demographic traits, e.g., past population growth, changes in fertility and mortality, and ageing. The aim of the course is to grasp such traits quantitatively as well as qualitatively. Through the course, students will become familiar with how to measure demographic events, such as birth and death, in an accurate and objective fashion. The topics for measurement include calculating crude rates and total fertility rate, standardization, indirect estimation, and construction of life table. By computing various demographic indices of Japan and comparing them with those of other societies, students will be able to better understand Japanese demographic characteristics from a comparative perspective.	Identical to BE22561. Lectures are conducted in English. JTP
BC12301	Personal Computer and Japanese Word Processing	1.0	2 - 4	FallAB	Thu6	3K203	Futoshi Kinoshita	This course is designed to help international students acquire the knowledge and skills of word processing of the Japanese language. Students will get practical experience of word processing through the use of Microsoft Word and other software packages, and also will learn the rules and formalities of Japanese writing. The course is intended for students who have such basics as hiragana, katanana and about three hundred (300) kanji.	Identical to BE22541. Lectures are conducted in English. JTP
BC12911	Human Resource Management	1.0	2 - 4	FallAB	Wed3	3B204	Martin Pohl	This course links up with the academic goal of gaining an understanding of human resources in the context of management	Identical to BE22831. Lectures are conducted in English. JTP G-course
BC16021	History of Economic Thought	2.0	2 - 4	FallAB	Tue1,2	3A212	Abu Girma Moges	The course is about the history, philosophy and evolution of economic ideas and thoughts. We review critically the different schools of economic thoughts from the classical to the modern to provide students with a comprehensive understanding of the origin and philosophy of economics and the economists behind such powerful ideas.	Identical to BE22821. Lectures are conducted in English. JTP
BC51071	International Economics	2.0	1	FallAB	Thu5,6	3A304	Yoshinori Kurokawa	This course will introduce students to basic micro, macro and international economic theories and their applications to real world data about international trade and finance. I will emphasize the usefulness of basic international economic theory in understanding international economic issues. This course does NOT require BC51061 Introductory Microeconomics or BC51081 Intro-Intermediate Macroeconomics as a prerequisite. In class, I will explain all necessary background to understand this course.	Identical to BE21201. Lectures are conducted in English. JTP
BC51081	Intro-Intermediate Macroeconomics	2.0	2	FallAB	Wed1,2	3A213	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, 2	FallAB	Fri3,4	3A416	Leslie Tkach Kawasaki	From "traditional" media, such as newspapers and television, to new media formats including websites, blogs and social media channels, in this course, students will examine the intersection between media and politics from historical and theoretical perspectives. Special emphasis is placed on the use of the internet and "new media" by political actors for the purpose of effecting political outcomes.	Identical to BE21241. Lectures are conducted in English. JTP
BC51311	English Discussion Seminar I	2.0	1, 2	FallAB	Tue5,6	3A308	Emi Hamana	The purpose of this introductory course is to help students communicate ideas and meaning clearly in English and discuss effectively topics relevant to international studies as well as intercultural communication. Students will be expected to prepare thoroughly and to participate actively in class.	国際総合学類の学籍番号奇数番の学生のみ対象 Lectures are conducted in English. JTP
BC51321	English Discussion Seminar I	2.0	1, 2	FallAB	Wed5,6	3A304	Jeet Bahadur Sapkota	The purpose of this introductory course is to help students communicate ideas and meaning clearly in English and discuss effectively topics relevant to international studies as well as intercultural communication. Students will be expected to prepare thoroughly and to participate actively in class.	国際総合学類の学籍番号偶数番の学生のみ対象 Lectures are conducted in English. JTP
BC51331	English Discussion Seminar II	2.0	1, 2	FallAB	Wed5,6	3A207	Nathan Gilbert Quimpo	This course serves as an introduction to conflict, peace and security studies. It seeks to broaden the students' knowledge of major issues related to conflict, peace and security in the contemporary period; and to develop the students' proficiency in listening, speaking and engaging in informed discourse in English. The weekly sessions will feature powerpoint presentations by the instructor and teams of students, video documentaries, as well as discussions, debates and role-playing sessions involving the whole class.	国際総合学類の学籍番号奇数番の学生のみ対象 Lectures are conducted in English. JTP

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BC51541	English Discussion Seminar II	2.0	1, 2	FallAB	Wed5,6	3A209		This intermediate-level course provides students with an opportunity to present and discuss their thoughts in the classroom in English on topics such as globalization, popular culture, economic development, with case studies from Japan, China and other countries in Asia. The weekly session will be divided into two parts. It will start with a short lecture, followed by the preparations for presentation and group presentations as well as discussions and debates involving the whole class.	国際総合学類の学籍番号偶数番の学生のみ対象 Lectures are conducted in English. JTP
BC51551	English Discussion Seminar III	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.	国際総合学類の学籍番号奇数番の学生のみ対象 Lectures are conducted in English. JTP
BC51561	English Discussion Seminar III	2.0	1, 2	FallC	Thu/Fri3,4	3B208	Leslie Tkach Kawasaki	During this course, students will participate in weekly discussions concerning current events, emphasizing media, politics, and news. We will also do a combination of pairwork exercises and small-group exercises.	
<p>ObjectivesThe general goals for this class are to help students with the following: (1) Practice communicating their opinions and ideas to other individuals as well as groups in an easily understandable, persuasive, and compelling manner; and(2) Improve their practical presentation skills in English.Grading SystemClass participation (including attendance) 20%Group project 25%Individual project/paper 30%Weekly assignments 25%Total 100%Class MaterialsThere is no textbook for this course, as the focus of the class will be on discussion. However, the instructor may assign short reading materials that may help in generating discussion. We will use Moodle for managing our class resources, and students are expected to be able to use Moodle (no introduction to Moodle will be given during class time).Assessment Explanation1. Class participation and attendance (20% of final grade)Since participation and discussion are important features of this class, you will be marked on your class participation activities and attendance. Enthusiasm, eagerness, commitment to improving one's English, and being unafraid to make mistakes are important elements in this class. 2. Group Project (25% of final grade)You will be assigned a group project to complete during the semester. Your group will make its presentation towards the end of the semester. More information about the group project will be distributed by the third class.3. Individual Project/Paper (30% of final grade)The instructor will give you a list of suggested topics and formats during the fourth class, and you can choose one theme among them for your final paper/project. Other topics may also be considered, they must be approved by the instructor first. Your project/paper is due on the last day of class.4. Weekly Writing Assignment (25% of final grade)Please submit your writing assignment each week (see schedule) via Moodle. The topics for each assignment will be given in class. Your assignment will range from one to two A4 typed pages. A link will be posted each week in Moodle for you to submit your assignments. Assignments must be submitted on time (due by 15:00 on Thursday). Moodle will not accept late assignments, and the instructor will not accept assignments sent as attachments to email or submitted in class unless you have made clear prior arrangements and there are exceptional circumstances.*** To obtain full credit for the weekly writing assignment, you must submit 5 out of 7 assignments. You are allowed to miss one weekly assignment (no questions asked). If you submit 2 or less assignments, regardless of your participation or achievements in other assessment areas, you will automatically lose one grade (i.e., A to B, B to C, etc.) Lectures are conducted in English. JTP</p>									

### College of Comparative Culture (社会学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BB11461	Population and Development	2.0	2 - 4	FallAB	Tue/Thu3	3K301	Futoshi Kinoshita	The course is designed to expose students to various population issues and the field of demography, with emphasis on demographic theories and empirical materials of Asian countries. The topics to be covered include historical patterns of population growth, modernization and population, technological progress and population, population and the environment, and population policy.	Identical to BC12261 and BE22571. Lectures are conducted in English. JTP、平成17年度までの「アジアと人口」に相当
BB28791	International Labour Law	2.0	2 - 4	FallC, Spr Vac	Intensive		Shin Yamada	To begin with getting basic knowledge in "international law" and "social protection", the course will treat the mechanism and context of international labour law and social security.	Identical to BC11111 and BE22371. Lectures are conducted in English. G-course JTP
BB41401	Contemporary Issues in Developing Countries	2.0	2 - 4	FallAB	Fri3,4	3B405	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 Disability Sciences (障害科学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
CE00011	Disability Sciences in Japan	1.0	1, 2	FallAB	Intensive		久絵 宮内	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-course 障害科学類の正規学生も受講できる。

## College of Biological Sciences (生物学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
EB08131	Vertebrate Evolution	1.0	2 - 4	FallAB	Tue3	2D306	Louis John Irving	This course looks at the major transitions during vertebrate evolution, particularly focussing on the transition between water and land, and the adaptations which facilitated that transition. The diversification of animal life on land, and the subsequent return of some groups to water will be studied. This course will have a strong evolutionary biology focus.	Identical to EG38131. Lectures are conducted in English. JTP
EB09103	Seminar in Biology I: Field Guide to Snow Land Animals in Winter	1.5	1, 2	Spr Vac	Intensive	Sugadaira	Ryuichiro Machida, Kensuke Yahata	A four-day residential course held at the Sugadaira Montane Research Center. The aim of this course, through animal tracking, bird watching, collecting insects, is to provide genuine experience of the qualities of nature and wild animals in snowy areas.	Identical to EG29103. Lectures are conducted in English. 3/7-3/11 JTP
EB09203	Seminar in Biology II: Guide to Seashore Animals and Plants	1.5	1, 2	Spr Vac	Intensive	Shimoda	Shunsuke Yaguchi, Yasunori Saito, Hiroaki Nakano, Shigeki Wada, Sylvain Leonard Georges Agostini	In this course at Shimoda Marine Research Center, students will survey marine animals on a rocky reef, and conduct field collections of planktonic and benthic animals. This will be followed by lectures and laboratory observations, providing a deeper understanding of marine life.	Lectures are conducted in English. 3/7-3/11 JTP
EB50221	Plant Taxonomy II	1.0	2, 3	FallAB	Fri2	2C101	Ken-ichiro ISHIDA, Takeshi Nakayama	Diversity, classification, morphology, ultrastructure, life history and phylogeny of green plants, including chlorophytes and land plants.	Identical to EG30221. Lectures are conducted in English. JTP
EB51021	Marine Biogeochemistry II	1.0	2, 3	FallA	Intensive		Takeo Hama, Shigeki Wada	This lecture will focus on the biogeochemical cycle of carbon with special reference to the production, transformation and decomposition of organic matter in ocean.	Identical to EG31021. Lectures are conducted in English. 10/4-10/5 JTP
EB59101	Protistology	1.0	2 - 4	FallC	Fri2,3	2C310	Ken-ichiro ISHIDA, Yosuke Degawa, Osamu Numata, Hidekazu Kuwayama, Shinichi Miyamura	Topics in protistology. Cellular evolution, cell biology, sex and reproduction, phylogeny and ecology of protists will be the subjects of this lecture.	Identical to EG39101. Lectures are conducted in English. JTP
EB59171	Current Topics in Animal Evolution	1.0	2, 3	FallAB	Wed2	2C101	Hiroshi Wada, Ryuichiro Machida, Masanao Honda, Kensuke Yahata	Lectures will cover topics on taxonomy, biogeography and EvoDevo of Arthropods and Chordates.	Identical to EG31171. Lectures are conducted in English. JTP
EB60014	Programming I	1.0	2, 3	FallAB	Thu1	2D202	Yukihiko Tokunaga (Toquenaga)	In this lecture, students will learn programming techniques for manipulating a variety of data. They will also learn simulation techniques with individual-based models. The programming language used is Ruby.	Identical to EG20014. Lectures are conducted in English. JTP
EB64021	Biometry II	1.0	2, 3	FallAB	Fri3	2D202	Yukihiko Tokunaga (Toquenaga)	This lecture introduces the dark side of statistics. Starting with randomization techniques, students will learn relationships among different domains of statistical ideas: parametric, nonparametric, null hypothesis significance testing, information-theoretic methods, and the Bayesian methods.	Identical to EG34021. Lectures are conducted in English. JTP
EB71131	Molecular Biology III	1.0	2, 3	FallAB	Thu3	2B412	Tomoki Chiba	Proteins are in a dynamic state, which is regulated by protein synthesis and degradation pathways. Each protein is degraded in a degree of selectivity, and its regulation is essential for the cell homeostasis and viability. In this class, we will learn the latest findings on the molecular mechanism of selective protein degradation and its physiological importance.	Identical to EG35131. Lectures are conducted in English. JTP
EB72131	Molecular Developmental Genetics	1.0	2, 3	FallAB	Fri3	2B411	Katsuo Furukubo-Tokunaga	Study of the mechanism of development is one of the most fascinating areas in current biology. This lecture focuses on the genetic programs that are conserved from fly to human beyond apparent morphological diversity. It also introduces fundamental aspects of nervous system development including network and synaptic plasticity that are essential for higher brain functions such as memory.	Identical to EG35031. Lectures are conducted in English. JTP
EB72921	Marine Biology II	1.0	2, 3	FallAB	Wed3	2C310	Kazuo Inaba, Yasunori Saito, 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.	Identical to EG32921. Lectures are conducted in English. JTP
EB74221	Metabolic and Physiological Chemistry II	1.0	2, 3	FallAB	Thu1	2C310	Iwane Suzuki	Nitrogen metabolism, sulfur metabolism, metabolic regulatory mechanisms and the function of trace metals in cellular metabolism are main topics. The main topics for this course will be acclimation process of cellular and energy metabolisms response to the changes in intracellular and extracellular environments. It will be discussed about response and regulations of gene expression, enzymatic reaction, transport and signal transduction system.	Identical to EG34221. Lectures are conducted in English. JTP EB74231, EG34231 修得者の履修は認めない。

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
EB82131	Chemical Ecology	1.0	2, 3	FallAB	Fri4	2C107	Yooichi Kainoh, Shigeru Matsuyama, Keiko Yamaji, Seiichi Furukawa, Natsuko Kinoshita	This lecture introduces chemical aspects of relationships between individual insects, animals, plants and microorganisms of the same (pheromone) or different (allelochemicals) species.	Identical to EG32131. Lectures are conducted in English. JTP
EB83161	Biotechnology Literacy	1.0	2, 3	FallC	Intensive		Kazuo Watanabe, Akira Kikuchi, Michiyuki Ono, Taichi Oguchi	Topics covering ethical, legal and social issues in life & environmental sciences.	Identical to EG23131. Lectures are conducted in English. 1/7-1/8 JTP CDP G-course EB83131修得者の履修は認めない。

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
EC00021	Special Seminar II	1.0	1	FallAB C	by request		Dean and others	Seminar on the special research field for each individual student	JTP学生のみ対象
EC00031	Special Seminar III	1.0	1	SprC, FallA	by request		Dean and others	Seminar on the special research field for each individual student	JTP学生のみ対象
EC00041	Special Seminar IV	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Seminar on the Special research related with agro-biological resource sciences for each individual student.	JTP Identical to EG60431. Lectures are conducted in English.
EC00053	Special Seminar V	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Field practice on the special research related with agro-biological resource sciences for each individual student.	JTP Identical to EG60443. Lectures are conducted in English.
EC31251	Cell Structure and Function	1.0	3	FallAB	Fri5	2D206	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

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
AE12G31	Introduction to Japanese Culture II	1.5	1 - 4	FallAB C	Tue5	2G204	Nobutaka Suzuki	This course is to explore Japanese cultural tradition through anthropological analysis. Special emphasis is on how change and continuity have taken place in Japan. We will examine the way in which its interplay has caused further diversification of Japanese everyday's life by focusing on family, aged group, community life, life cycle, gender, and ancestor worship. Video-viewing is also scheduled.	This course is taught in English. Lectures are conducted in English. JTP G-course
AE80A83	Study Tour on Japanese Culture	1.5	1	FallAB C	Intensive		Nobutaka Suzuki	This course is to familiarize international students with arts, crafts, gardens and museums of Ibaraki. Students will visit places of cultural and historical interest, and learn how Japanese culture at first hand. The course consists of one orientation lecture and two field trips a whole day. For the trip, students will visit Kasama City and Yuuki City, where they will respectively experience traditional pottery-making and hand-weaving.	JTP students only. This course is taught in English. Lectures are conducted in English. JTP

### College of Engineering Sciences (応用理工学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
FF00408	Laboratories Research	3.0	1	FallAB C	by appointment		応用理工学類各教員	A student picks up a laboratory from among all the staff belonging to the school. There he/she studies the engineering aspects of his/her choice by attending seminars, performing experiments, or other practices concerning the engineering study.	JTP学生のみ対象 JTP

### College of Policy Planning Sciences (社会工学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
FH00028	Individual Study II	2.0	—	SprC, FallA	Intensive		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.
FH00038	Individual Study III	2.0	—	FallBC	Intensive		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.
FH00058	Independent Study B	3.0	1 - 4	FallABC	by appointment		社会工学類各教員	The students will do their own research under supervision of faculty members.	JTP学生のみ対象 Lectures are conducted in English. JTP

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
FG06041	Engineering System Special Lecture	1.0	1	FallAB	Wed3		Noriyuki Hori	Lectures will cover some aspects of measurement and control, including strain gauges, bridge circuits, op-amps, block diagram modeling, performance specifications, and controller designs.	JTP only
FG06068	Project	4.0	1	FallABC	by request		工学システム学類各教員	The students will conduct individual research under the supervision of a professor.	JTP only

### College of Information Science (情報科学類)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
GB19978	Directed Research in Computer Science B	4.0	3, 4	FallABC	by appointment		情報科学類全教員	受け入れ教員の指導のもと、特定のテーマについて、研究もしくはミニプロジェクトを行う。	JTP及び学類長が履修を認めた者に限る。80コマに相当する。

## Courses on Japanese-Related Subjects (日本語・日本事情等に関する科目)

Courses on Japan-related 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.

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

### ● Spring Semester (April-September 2015)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
7100112	日本語聴解A	1.0	1・2	春ABC	水4	9P209	関 裕子	大学の授業に必要な聴解能力の訓練を行う。春学期は聞いて理解できる語彙・表現を増やすとともに、テーマ、話の流れ、要点をつかむ練習を中心に行なう。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7100142	日本語読解A	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。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7100172	日本語作文A	1.0	1・2	春ABC	火5	9P209	田中 孝始	短作文練習と宿題の添削・フィードバックと講義をとおしてレポートの構成や表現を学び、レポートや答案を書くのに必要な作文力を身につける。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7100202	日本語演習IA	1.0	1・2	春ABC	金5	9P209	山田 野絵	大学生活に必要な公の場における日本語でのコミュニケーション能力、基礎的な口頭発表能力を身につけることを目的とし、ディスカッション及びプレゼンテーションを重視したプロジェクトワークを行う。また、問題提起から問題解決に至る方法を協同的、自律的に学ぶ。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7100232	日本語演習IIA	1.0	1・2	春ABC	木4	9P209	杉浦 千里	口頭発表の基本を学び、実践的な練習を行う。併せてレポート作成も行い、思考を練り上げる過程を経験する。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7200121	日本の社会	1.0	1・2	春AB	金3	1C305	高橋 義明	日本の社会経済制度や国民生活の現状について統計資料などを通じて概説する。	外国人留学生及び帰国生徒に限る。
7200131	日本の自然	1.0	1・2	春AB	水5	1C505	角替 敏昭, 指田 勝男	日本列島とその周辺地域の地球科学的特徴について概説する。	外国人留学生及び帰国生徒に限る。
7200141	日本の科学技術	1.0	1・2	春C	金3,4	3A204	山口 佳樹, 北川 博之, 牧野 昭二, 三谷 純, 西出 隆志	理工学分野における日本の先端的な科学技術を概説する。	外国人留学生及び帰国生徒に限る。
7200151	日本の生活文化	1.0	1・2	春AB	火2	2G407	朴 宣美	ジェンダーや少数民族の視点から、日本の社会と文化を考察・討論する。	外国人留学生及び帰国生徒に限る。
7200161	日本の芸術とその鑑賞	1.0	1・2	春AB	火5	5C411	上北 恭史	日本の歴史的な生活様式・宗教・都市にかかわる芸術を通して、日本の芸術の特色を解説する。	外国人留学生及び帰国生徒に限る。

### ● Fall Semester (October 2015-March 2016)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
7100122	日本語聴解B	1.0	1・2	秋ABC	水4	9P209	関 裕子	大学の授業に必要な聴解能力の訓練を行う。秋学期は聞いて理解できる語彙・表現を増やすとともに、内容の正確な聞き取り、要点を整理しながら聞き、まとめる練習を中心に行なう。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7100152	日本語読解B	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。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7100182	日本語作文B	1.0	1・2	秋ABC	火5	9P209	田中 孝始	短作文練習と宿題の添削・フィードバックと講義をとおしてレポートの構成や表現を学び、レポートや答案を書くのに必要な作文力を身につける。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7100212	日本語演習IB	1.0	1・2	秋ABC	金5	9P209	山田 野絵	大学生活に必要な公の場における日本語でのコミュニケーション能力、基礎的な口頭発表能力を身につけることを目的とし、ディスカッション及びプレゼンテーションを重視したプロジェクトワークを行う。また、問題提起から問題解決に至る方法を協同的、自律的に学ぶ。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7100242	日本語演習IIB	1.0	1・2	秋ABC	木4	9P209	杉浦 千里	専門分野に関する口頭発表が円滑に行えることを目指す。内容のある深い討論が成立するように、聞き手の理解に配慮した話し方を学ぶ。レジュメ、スライド、レポート作成についても取り上げる。	学群正規生の留学生1・2年次、短期留学生(総合日本語7レベル)、帰国生徒(留学生センター日本語等教育部門長およびクラス担任が受講を認めた者)に限る。
7200111	日本の歴史	1.0	1・2	秋AB	金4	2G305	中野目 徹	近現代日本の思想の歴史について概観する。	外国人留学生及び海外滞在5年以上の帰国生徒に限る。
7200173	日本の地域社会学実習	1.0	1-3	秋B	応談		小口 千明	日本の農村(または地方都市)を実際に訪れ、農村(地方都市)の景観と生活および地域社会の特質を考察する。交通費等は参加者負担。	外国人留学生及び帰国生徒に限る。目的地・日程・費用等は留学生センターと日・日学類に掲示。人数制限あり。
7200193	日本の都市史見学実習	1.0	1-3	秋ABC	集中		山下 垂紀郎, 市川 康夫, 兼子 純, 森本 健弘	日本の首都であり最大の都市である東京を対象に、実際に現地の景観を観察する巡検(excursion)を実施し、都市としての発展過程や空間構造などについて考察する。	外国人留学生及び帰国生徒に限る。人数制限あり。交通費等の実費は履修者負担。西暦奇数年度開講。



# Japanese Language Courses

## ● Spring Semester (April-September 2015)

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
3901072	Comprehensive Japanese 4 Grammar	1.0	1	SprAB C	Mon4	9L101	YASUSHI KOIKE	書き言葉による文章の理解、産出に必要な文法を学び、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。詳細は留学生センターに確認すること。 N411
3901092	Comprehensive Japanese 4 Speaking and Listening	1.0	1	SprAB C	Tue4	9L101	YIYIN CHEN	身近なテーマや話題について、簡単な発表ができ、スピーチができる・分かるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N461
3901112	Comprehensive Japanese 4 Reading and Writing	1.0	1	SprAB C	Wed4	9L101	NOE YAMADA	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。詳細は留学生センターに確認すること。 N471
3901132	Comprehensive Japanese 5 Grammar	1.0	1	SprAB C	Mon3	9P103	YUMIKO OKITA	やや専門的な内容の文章理解、産出に必要な文法を理解し使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N511
3901152	Comprehensive Japanese 5 Speaking and Listening	1.0	1	SprAB C	Tue3	9P103	YUKIKO HIRAKATA	やや専門的な内容の解説、スピーチがわかるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N561
3901172	Comprehensive Japanese 5 Reading and Writing	1.0	1	SprAB C	Wed3	9P201	CHISATO SUGIURA	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。詳細は留学生センターに確認すること。 N571
3901192	Comprehensive Japanese 1	4.0	1	SprAB C	Mon/Tue/Wed/Thu4	9P102	Cade Conlan Bushnell	初歩的な日常場面でのコミュニケーションができるようになる。話す・聞くの技能においては、単文や簡単な複文が理解でき、単文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字で極簡単な文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N101
3901212	Comprehensive Japanese 2	4.0	1	SprAB C	Mon/Tue/Wed/Thu3	9P102	Masaki Ono	日本語・日本文化の理解を深めながら、必要な情報をとることなど日常的な場面でのコミュニケーションができるようになる。話す・聞くの技能においては、複文や簡単な段落レベルで理解でき、複文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字でやや長いまとまりのある文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N201
3901232	Comprehensive Japanese 3	4.0	1	SprAB C	Mon/Tue/Wed/Thu2	9P209	Masaki Ono	日本語・日本文化の理解を深めながら、日常的な場面でのコミュニケーションができるようになる。話す・聞くの技能においては、複文や簡単な段落レベルで理解でき、複文や段落で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字でやや複雑な文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N301
3901252	Comprehensive Japanese 4 Seminar	1.0	1	SprAB C	Thu4	9L101	MAKIKO KOBAYASHI	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N481
3901272	Comprehensive Japanese 5 Seminar	1.0	1	SprAB C	Thu3	9L101	SONMI JUNG	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。詳細は留学生センターに確認すること。 N581
3901292	Comprehensive Japanese 6 Grammar	1.0	1	SprAB C	Mon2	9L101	Mitsuko Kido	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。詳細は留学生センターに確認すること。 N611
3901312	Comprehensive Japanese 6 Speaking and Listening	1.0	1	SprAB C	Tue2	9L101	YUSUKE TANAKA	・場面、相手に合った適切なスタイルで話すことができる。 ・日常的で身近な話題から最終的には抽象的な話題において聞き手を意識したディスカッションができる。 ・必要な情報を正確に聞き取りとることができる。また、推測を加えて話の流れが理解できる。 ・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。詳細は留学生センターに確認すること。 N661
3901332	Comprehensive Japanese 6 Reading and Writing	1.0	1	SprAB C	Wed2	9P105	MINAKO NAGATO	・文章の内容を正しく理解する。 ・読んだものについて、理解、考えを深める。 ・読んだものについて、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。 ・語彙・表現・文法・文型を学び、使えるようになる。 ・自分の読み方を振り返る。 ・読むこと、書くことを楽しめるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N671
3901352	Comprehensive Japanese 6 Seminar	1.0	1	SprAB C	Thu2	9L101	SONMI JUNG	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。詳細は留学生センターに確認すること。 N681
3901372	Comprehensive Japanese 7 Grammar	1.0	1	SprAB C	Mon1	9L101	YASUSHI KOIKE	日本語のミステリー小説を題材に、小説に使われている文法や文型を通して、文法の意味用法を自ら学ぶ力を養う。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N711

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
3901392	Comprehensive Japanese 7 Speaking and Listening	1.0	1	SprABC	Tue1	9L101	YASUSHI KOIKE	社会文化に関する話題について、次のような話す/聞く活動ができる。 ・日本文化、日本社会、時事問題についてのテレビ番組等を視聴し、その内容を理解する。 ・その話題について、内容をまとめ、他者にわかりやすく説明することができる。 ・上記の話題について自分の意見をまとめ他者に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。詳細は留学生センターに確認すること。 N761
3901412	Comprehensive Japanese 7 Reading and Writing	1.0	1	SprABC	Wed1	9P105	MINAKO NAGATO	日本語の新聞記事が理解でき、適切な要約ができる。記事の語彙を用いて最近の日本の事情や自国との比較などについて意見交換ができる。読み手を意識した、明瞭な文章が書ける。目的に合った文体と構成の文章が書ける。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N771
3901432	Comprehensive Japanese 7 Seminar	1.0	1	SprABC	Thu1	9L101	KEIKO HORI	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。詳細は留学生センターに確認すること。 N781
3901452	Varieties of Japanese I	1.0	1	SprABC	Mon5	9P201	MAMI ISHIDA	方言をはじめ、世代、立場、キャラクターによる表現・ことばなど、様々な日本語に触れ、日本語を楽しむ。日本語に対する知識を深める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N011
3901472	Varieties of Japanese II	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。詳細は留学生センターに確認すること。 N041
3901532	Japanese Project I	1.0	1	SprABC	Wed5	9P209	NOE YAMADA	中級中期日本語に向けて語彙を増やすことを目的とし、テーマに沿った語彙収集を行い、最終的には各自の興味ある分野や専門分野についての語彙収集および用語集の作成を目標とする。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N031
3901552	Japanese Project II	1.0	1	SprABC	Thu5	9P203	SHINOBU YANAGITA	日常生活の場面や特定の場所・時間帯で使用される日本語について、演劇を通じて発話のタイミング・自然な日本語の表現等を身につける、それらを使用できるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N061
3901572	Japanese Fieldwork	1.0	1	SprABC	Wed5	9P202	ASAKO YOSHIDA	身近な日本文化・生活に関連したテーマについて、個人またはグループでインタビュー等により情報を収集し、それらをまとめて10分程度の発表することができる。日本語でのインタビューを計画・実施し、インタビュー内容を文字起こしすることができる。集めた情報を発表にまとめることができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N071
3901592	Japanese Project Work	1.0	1	SprABC	Fri5	9P203	MIO SEKIGUCHI	各自が設定したテーマに沿ってプロジェクトワークを行う。これまで学習してきた日本語を駆使し、生の日本語に触れ、語彙、表現を広げることを目指す。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N081
3901612	Japanese socio-cultural studies (taught in English)	1.0	1	SprABC	Tue5	9P203	MAKIKO KOBAYASHI	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。詳細は留学生センターに確認すること。 N091
3902012	Kanji 1	1.0	1	SprABC	Fri1	9L102	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。詳細は留学生センターに確認すること。 K101
3902032	Kanji 2	1.0	1	SprABC	Fri1	9L201	TAKASHI TANAKA	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。詳細は留学生センターに確認すること。 K201
3902052	Kanji 3	1.0	1	SprABC	Fri2	9L201	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。詳細は留学生センターに確認すること。 K301
3902072	Kanji 4	1.0	1	SprABC	Fri2	9P201	Chieko Kano	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。詳細は留学生センターに確認すること。 K401
3902092	Kanji 5	1.0	1	SprABC	Fri3	9P103	YUKO SEKI	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。詳細は留学生センターに確認すること。 K501
3902112	Kanji 6	1.0	1	SprABC	Fri5	9P202	Chieko Kano	中上級の漢字語彙の読み書きを覚えながら、正確に運用できるようにする。学習者自身が読みたいものから漢字および漢字語彙を抽出し、使えるようにな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。詳細は留学生センターに確認すること。 K601
3902132	Kanji 7	1.0	1	SprABC	Fri4	9P209	MINAKO NAGATO	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、使えるようにな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。詳細は留学生センターに確認すること。 K701
3902152	Kanji 8	1.0	1	SprABC	Fri4	9P202	Chieko Kano	上級の漢字語彙の読み書きを覚えながら、地球科学、経済金融、歴史などの専門分野によって語彙を適切に使い分けられるようにする。学習者自身が読みたいものから漢字および漢字語彙を抽出し、使えるようになるための方法を工夫できる。(IKB vol.2 L6-10)	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 K801

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Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
3901082	Comprehensive Japanese 4 Grammar	1.0	1	FallAB C	Mon4	9L101	YASUSHI KOIKE	書き言葉による文章の理解、産出に必要な文法を学び、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。詳細は留学生センターに確認すること。 N412
3901102	Comprehensive Japanese 4 Speaking and Listening	1.0	1	FallAB C	Tue4	9L101	YIYIN CHEN	身近なテーマや話題について、簡単な発表ができ、スピーチができる・分かるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N462
3901122	Comprehensive Japanese 4 Reading and Writing	1.0	1	FallAB C	Wed4	9L101	NOE YAMADA	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。詳細は留学生センターに確認すること。 N472
3901142	Comprehensive Japanese 5 Grammar	1.0	1	FallAB C	Mon3	9P103	YUMIKO OKITA	やや専門的な内容の文章理解、産出に必要な文法を理解し使えるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N512
3901162	Comprehensive Japanese 5 Speaking and Listening	1.0	1	FallAB C	Tue3	9P103	YUKIKO HIRAKATA	やや専門的な内容の解説、スピーチがわかるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N562
3901182	Comprehensive Japanese 5 Reading and Writing	1.0	1	FallAB C	Wed3	9P201	CHISATO SUGIURA	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。詳細は留学生センターに確認すること。 N572
3901202	Comprehensive Japanese 1	4.0	1	FallAB C	Mon/Tue/Wed/Thu4	9P102	Cade Conlan Bushnell	初歩的な日常場面でのコミュニケーションができるようになる。話す・聞くの技能においては、単文や簡単な複文が理解でき、単文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字で極簡単な文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N102
3901222	Comprehensive Japanese 2	4.0	1	FallAB C	Mon/Tue/Wed/Thu3	9P102	Masaki Ono	日本語・日本文化の理解を深めながら、必要な情報をとることなど日常的な場面でのコミュニケーションができるようになる。話す・聞くの技能においては、複文や簡単な段落レベルで理解でき、複文で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字でやや長いまとまりのある文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N202
3901242	Comprehensive Japanese 3	4.0	1	FallAB C	Mon/Tue/Wed/Thu2	9P209	Masaki Ono	日本語・日本文化の理解を深めながら、日常的な場面でのコミュニケーションができるようになる。話す・聞くの技能においては、複文や簡単な段落レベルで理解でき、複文や段落で産出ができる。読む・書くについては、身近なテーマについて、ひらがな・カタカナ・既習漢字でやや複雑な文章が書いて、読める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N302
3901262	Comprehensive Japanese 4 Seminar	1.0	1	FallAB C	Thu4	9L101	MAKIKO KOBAYASHI	大学の授業を受講するにあたり必要な日本語力およびスキルを身につけ、全般的な日本語運用力を高める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N482
3901282	Comprehensive Japanese 5 Seminar	1.0	1	FallAB C	Thu3	9L101	SONMI JUNG	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。詳細は留学生センターに確認すること。 N582
3901302	Comprehensive Japanese 6 Grammar	1.0	1	FallAB C	Mon2	9L101	Mitsuko Kido	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。詳細は留学生センターに確認すること。 N612
3901322	Comprehensive Japanese 6 Speaking and Listening	1.0	1	FallAB C	Tue2	9L101	YUSUKE TANAKA	・場面、相手に合った適切なスタイルで話すことができる。 ・日常的で身近な話題から最終的には抽象的な話題において聞き手を意識したディスカッションができる。 ・必要な情報を正確に聞き取りとることができる。 また、推測を加えて話の流れが理解できる。 ・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。詳細は留学生センターに確認すること。 N662
3901342	Comprehensive Japanese 6 Reading and Writing	1.0	1	FallAB C	Wed2	9P105	MINAKO NAGATO	・文章の内容を正しく理解する。 ・読んだものについて、理解、考えを深める。 ・読んだものについて、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。 ・語彙・表現・文法・文型を学び使えるようになる。 ・自分の読み方を振り返る。 ・読むこと、書くことを楽しめるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N672
3901362	Comprehensive Japanese 6 Seminar	1.0	1	FallAB C	Thu2	9L101	SONMI JUNG	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。詳細は留学生センターに確認すること。 N682
3901382	Comprehensive Japanese 7 Grammar	1.0	1	FallAB C	Mon1	9L101	YASUSHI KOIKE	日本語のミステリー小説を題材に、小説に使われている文法や文型を通して、文法の意味用法を自ら学ぶ力を養う。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N712
3901402	Comprehensive Japanese 7 Speaking and Listening	1.0	1	FallAB C	Tue1	9L101	YASUSHI KOIKE	社会・文化に関する話題について、次のような話す/聞く活動ができる。 ・日本文化、日本社会、時事問題についてのテレビ番組等を視聴し、その内容を理解する。 ・その話題について、内容をまとめ、他者にわかりやすく説明することができる。 ・上記の話題について自分の意見をまとめ他者に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。詳細は留学生センターに確認すること。 N762

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
3901422	Comprehensive Japanese 7 Reading and Writing	1.0	1	FallAB C	Wed1	9P105	MINAKO NAGATO	日本語の新聞記事が理解でき、適切な要約ができる。記事の語彙を用いて最近の日本の事情や自国との比較などについて意見交換ができる。読み手を意識した、明瞭な文章が書ける。目的に合った文体と構成の文章が書ける。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N772
3901442	Comprehensive Japanese 7 Seminar	1.0	1	FallAB C	Thu1	9L101	KEIKO HORI	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。詳細は留学生センターに確認すること。 N782
3901462	Varieties of Japanese I	1.0	1	FallAB C	Mon5	9P201	MAMI ISHIDA	方言をはじめ、世代、立場、キャラクターによる表現・ことばなど、様々な日本語に触れ、日本語を楽しむ。日本語に対する知識を深める。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N012
3901482	Varieties of Japanese II	1.0	1	FallAB C	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。詳細は留学生センターに確認すること。 N042
3901542	Japanese Project I	1.0	1	FallAB C	Wed5	9P209	NOE YAMADA	中級中期日本語に向けて語彙を増やすことを目的とし、テーマに沿った語彙収集を行い、最終的には各自の興味ある分野や専門分野についての語彙収集および用語集の作成を目標とする。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N032
3901562	Japanese Project II	1.0	1	FallAB C	Thu5	9P203	SHINOBU YANAGITA	日常生活の場面や特定の場所・時間帯で使用される日本語について、演劇を通じて発話のタイミング・自然な日本語の表現等を身につける、それらを使用できるようになる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N062
3901582	Japanese Fieldwork	1.0	1	FallAB C	Wed5	9P202	ASAKO YOSHIDA	身近な日本文化・生活に関連したテーマについて、個人またはグループでインタビュー等により情報を収集し、それらをまとめて10分程度の発表することができる。日本語でのインタビューを計画・実施し、インタビュー内容を文字起こしすることができる。集めた情報を発表にまとめることができる。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N072
3901602	Japanese Project Work	1.0	1	FallAB C	Fri5	9P203	MIO SEKIGUCHI	各自が設定したテーマに沿ってプロジェクトワークを行う。これまで学習してきた日本語を駆使し、生の日本語に触れ、語彙、表現を広げることを目指す。	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 N082
3901622	Japanese socio-cultural studies (taught in English)	1.0	1	FallAB C	Tue5	9P203	MAKIKO KOBAYASHI	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。詳細は留学生センターに確認すること。 N092
3901632	Comprehensive Japanese 1	4.0	1	FallAB C	by appointment			初歩的な日常場面でのコミュニケーションができるようになる。話す・聞くの技能においては、単文や簡単な複文が理解でき、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。詳細は留学生センターに確認すること。 N102
3901642	Comprehensive Japanese 2	4.0	1	FallAB C	by appointment			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。詳細は留学生センターに確認すること。 N202
3902022	Kanji 1	1.0	1	FallAB C	Fri1	9L102	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。詳細は留学生センターに確認すること。 K102
3902042	Kanji 2	1.0	1	FallAB C	Fri1	9L201	TAKASHI TANAKA	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。詳細は留学生センターに確認すること。 K202
3902062	Kanji 3	1.0	1	FallAB C	Fri2	9L201	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。詳細は留学生センターに確認すること。 K302
3902082	Kanji 4	1.0	1	FallAB C	Fri2	9P201	Chieko Kano	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。詳細は留学生センターに確認すること。 K402
3902102	Kanji 5	1.0	1	FallAB C	Fri3	9P103	YUKO SEKI	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。詳細は留学生センターに確認すること。 K502
3902122	Kanji 6	1.0	1	FallAB C	Fri5	9P202	Chieko Kano	中上級の漢字語彙の読み書きを覚えながら、正確に運用できるようにする。学習者自身が読みたいものから漢字および漢字語彙を抽出し、使えるようにするための方法を工夫できるようにする。(IKB vol.1 L6-10)	外国人留学生のうち特別聴講学生(学群)が受講できる。詳細は留学生センターに確認すること。 K602
3902142	Kanji 7	1.0	1	FallAB C	Fri4	9P209	MINAKO NAGATO	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。詳細は留学生センターに確認すること。 K702
3902162	Kanji 8	1.0	1	FallAB C	Fri4	9P202	Chieko Kano	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。詳細は留学生センターに確認すること。 K802

# G30 English Courses Open to Exchange Students as JTP Courses

● Spring Semester (April-September 2015)

## 1. Multidisciplinary Subjects

(1) Multidisciplinary Subjects I

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
1B90041	International Society	1.0	1, 2	SprAB	Mon1	3A311	Martin Pohl, Tomoko Ishikawa	This introductory course will provide basic concepts and theories of International Political Economy and International Law.	JTP

(2) Multidisciplinary Subjects II

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
1C90051	Japanese Society	1.0	1, 2	SprAB	Mon1	9L202	CHINAMI YAMAMOTO	In this course, we will read about and discuss various topics relating to Japanese society.	JTP Lectures are conducted in English. Limited to 30 students
1C90091	Modern Japanese History	1.0	1, 2	SprAB	Mon2	9L202	CHINAMI YAMAMOTO	In this course, we will read about and discuss various topics relating to Japanese history.	JTP Lectures are conducted in English. Limited to 30 students
1C90111	Career Design III	1.0	1, 2	SprC	Mon1,2	9L202	CHINAMI YAMAMOTO	In this course, we will read and discuss about various topics related to employment following graduation. Some topics may include: past, present, and future of many aspects of Japan, etc.	JTP Lectures are conducted in English. Limited to 30 students

## 2. Foreign Languages

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
3290142	German AI	0.5	1	Spr Vac	Intensive		Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP Details will be announced. G-course This course is counted as an elective for non-G30 students and is not allowed to take as a substitute for other courses.
3290152	German BI	0.5	1	Spr Vac	Intensive		Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course This course is counted as an elective for non-G30 students and is not allowed to take as a substitute for other courses.
3290162	German CI	0.5	1	Spr Vac	Intensive		Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course This course is counted as an elective for non-G30 students and is not allowed to take as a substitute for other courses.

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BE11021	International Social Studies II	2.0	1	SprAB	Thu5,6	3A213	Martin Pohl, Abu Girma Moges	This course introduces students to social and institutional analysis. The dual perspectives of the class are politics and economics/managerial science.	equivalent to "International Studies II" in 2010 Lectures are conducted in English. JTP
BE21051	Academic Writing for Social Sciences II	2.0	1, 2	SprAB	Intensive			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.	for non-native, 日程が決まり次第周知する Lectures are conducted in English. JTP equivalent to "English Writing II" in 2010-2012.
BE21091	Japanese Learning Support III	2.0	1, 2	SprAB	Thu1,2	3B204	TAKASHI TANAKA	Although this course aims to built all four language skill (reading, writing, listening, and speaking), there will be focus of Reading and Writing Japanese. )	JTP
BE21101	Fundamentals of Japanese Studies	2.0	1, 2	SprAB	Mon5,6	3A305	Martin Pohl	Japan has a very unique structure of economy. This class is focussed on secrets behind the strengths of the Japanese economy, Japans changing management style and its riding on the wave of globalisation. The class will close with Japanese approaches to recover from the present financial and economic crises.	equivalent to "Fundamentals of Japanese Studies I" in 2010 and 2011 Lectures are conducted in English. JTP G-course
BE21131	Introduction to Programming	2.0	1, 2	SprAB	Thu3,4	1C206	Simona Mirela Vasiliache	This course is focused on helping students acquire fundamental programming notions. Some of the topics that will be covered include starting programming from "pen&paper", pseudocode, algorithms, data types, basic control structures etc.	Lectures are conducted in English. JTP G-course (equivalent to "Introduction to Information Processing" in 2010-2012)
BE21181	Social Issues in Contemporary Japan	2.0	1, 2	SprAB	Wed4,5	3A305	Ioshiaqui Edson Urano	The aim of this course is to analyze the social and economic changes in Japan, with particular focus on changes in the nature of work in society and its implications in Contemporary Japanese society, including complex issues such as migration, foreign workers, ageing society, job hunting, working poor and inequality.	Identical to BB11871. Lectures are conducted in English. JTP G-course
BE21221	Introduction into General Management	2.0	1	SprAB	Fri4,5	3A213	Martin Pohl	This class will give an overview of business administration as science. The basic fields of management will be put into context: production and costing, marketing and distribution, finance and accounting, human resources. Particular attention will be focused on both Japanese management style where different from continental European approach and ethics.	Identical to BC12901. Lectures are conducted in English. JTP G-course
BE21351	Law and Society in Japan	2.0	1, 2	SprAB	Wed1,2		Tomoko Ishikawa	This course is to provide an introduction to law and to the Japanese legal system. The topics covered by this course include the development of Japanese law, the basic structure of Japanese law, criminal and civil law of Japan and future prospects of Japanese law and legal system.	Identical to BB28021. Lectures are conducted in English. JTP
BE21821	Japanese Legal Proceedings	1.0	2	SprC Sum Vac	Intensive	1B201	Masako Murakami	This course will give an overview of Japanese legal procedure and describe fundamental concepts of Japanese justice system, with the emphasis placed on civil procedure which administers the process for the resolution of civil disputes.	Priority to G30 and JTP Identical to BB2701. Lectures are conducted in English. G-course
BE21861	Principles of Economics	2.0	1, 2	SprAB	Fri1,2	3A213	Abu Girma Moges	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 and to comprehend current and practical issues 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
BE22031	Japanese Foreign Policy	2.0	2 - 4	SprAB	Mon5,6	3K102	Liang Pan	This course examines the historical background of modern Japan's foreign policymaking from early 1890s till the end of the Second World War (1945). Main emphasis of the lectures will be placed on the interaction between Japanese domestic politics and foreign affairs.	Open in an odd number year. Identical to BC11911. Lectures are conducted in English. JTP
BE22051	Public Policy	2.0	2 - 4	SprAB	Thu2,3	3B301	Ioshiaqui Edson Urano	The objective of this course is to provide students with basic knowledge to understand public policies, with special focus on the role of economic and social policies in society.	Identical to BB11881 and BC11461. Lectures are conducted in English. JTP G-course
BE22081	Political Philosophy	2.0	2 - 4	SprAB	Tue5,6	3K302	Charles Edward Covell	This course provides an introduction to the work of the classic thinkers who belong to the Western tradition in political philosophy, and in this to meet the basic educational needs of students specializing in the various areas of politics, law and economics. It is recognized that political philosophy is often held to be a subjecting that presents major difficulties for students. Accordingly, it is proposed to make the review of Western political thinkers as simple as possible and to focus attention on the explanation of the most fundamental of the terms and concepts in Western political thought.	Identical to BC11171. Lectures are conducted in English. JTP

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BE22111	Global Environmental Politics	2.0	2 - 4	SprAB	Mon3,4			This course is to introduce students to the most import environmental theories and concepts with a series of detailed case studies of the most pressing environmental problems. It introduces environmental politics within the context of political science and international theories and demonstrates how the concepts and theories apply in a wide variety of real world contexts such as climate change, energy crisis and so on.	Lectures are conducted in English. JTP
BE22221	Japanese Economy	2.0	2 - 4	SprAB	Mon5,6	3B202	Yoshinori Kurokawa	The main purpose of this course is to understand basic facts about the Japanese Economy. We analyze those facts both empirically and theoretically and relate most Japanese issues to those in the U.S.	Identical to BC11881. Lectures are conducted in English. JTP
BE22271	International Trade	2.0	2 - 4	SprAB	Wed1,2	3A306	Hisahiro Naito	As the economy becomes more globalized, it is becoming necessary to study the basic mechanism of international trade and its impact on welfare. In this course, we first study the concept of comparative advantage and study why countries will be engaged in international trade. Then, we study the impact on welfare by using several models. (The Ricardian, Heckscher-Ohlin and Specific Factor Model). Then, we study the monopoly model and its implication for international trade theory. In addition, we discuss the impact of international factor movement such as immigration and foreign direct investment.	Open in an odd number year. Identical to BB41601, BC11411, FH21081, and FH25051. Lectures are conducted in English. JTP
BE22401	Transnational Social Policy	2.0	2 - 4	SprAB	Thu1,2	3B406	Ioshiaqui Edson Urano	Globalization has brought many changes in social life, including increasing flows of financial resources, goods and persons. Among the new challenges these changes pose to governments and civil society is the need to create new social agenda and to develop social policies. The aim of this course is to discuss these challenges for the 21st Century from a transnational perspective	Biennial Course (offered in odd years) Open in an odd number year. Identical to BB11861 and BC11471. Lectures are conducted in English. JTP G-course
BE22471	Globalization and Development	2.0	2 - 4	SprAB	Tue/Fri4	3K202	Nathan Gilbert Quimpo	This course examines the politics of development in the era of globalization, exploring major issues and problems being encountered and confronted by the developing countries in the contemporary period. There will be lectures, videos, discussions and debates on globalization theory, major development issues, politics in the developing world, and the impact of globalization on developing countries.	Identical to BC11351. Lectures are conducted in English. JTP G-course
BE22501	Linguistic Anthropology	2.0	2 - 4	SprAB	Tue1,2	3B402	Risako Ide	An introduction to linguistic anthropology, this course explores the theories, concepts and case studies that help us understand the dynamic relationship between language, culture, and society. Based on the class lecture and classroom discussions based on the reading assignments, we will try to understand the idea that	Identical to BC11511. Lectures are conducted in English. JTP (former &quot;Anthropological Linguistics&quot;)
BE22511	Intercultural Communication	2.0	2 - 4	SprAB	Tue5,6	3A207	Emi Hamana	This course will explore intercultural communication with a focus on cultural differences, conflict management and effective communication.	Identical to BC11521. Lectures are conducted in English. JTP
BE22521	International Education	2.0	2 - 4	SprAB	Tue3,4	3K404	Masako Shibata	This course invites both overseas and Japanese students. The major purpose of the course is to enable students to learn about issues and current trends in educational studies in international perspectives. It deals with themes, such as development, colonial legacy and global interaction, in education.	Identical to BC12241. Lectures are conducted in English. JTP
BE22711	Global Society and Criminology	2.0	2 - 4	SprC	Intensive		KIKUCHI George	This course is an introduction to criminology and the criminal justice system in Japan. The course covers perspectives of the criminal law, crime statistics, and some theoretical explanations of crime. Additionally, the course also discusses the effect of globalization on criminal justice policies in Japan.	Lectures are conducted in English. JTP
BE22851	Mathematical Economics	2.0	2 - 4	SprAB	Thu1,2	3A408	Abu Girma Moges	This course introduces students to the most fundamental analytical tools of mathematics for economics. It provides the necessary skills and training to use mathematical approach in economic analysis. The course emphasizes on mathematical approaches to economic theory.	Biennial Course (offered in odd years) Open in an odd number year. Identical to BC16011. Lectures are conducted in English. JTP

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
EG20211	Plant Taxonomy I	1.0	2, 3	SprAB	Fri2	2C101	Ken-ichiro ISHIDA	Diversity, classification, morphology, ultrastructure, life history and phylogeny of non-green algae — glaucophytes, rhodophytes, cryptophytes, chlorarachniophytes, euglenophytes, dinoflagellates, haptophytes, and stramenopiles.	Identical to EB50211. Lectures are conducted in English. JTP
EG21011	Marine Biogeochemistry I	1.0	2, 3	SprC	Intensive		Masao ISHII, Masahiro SUZUMURA	This lecture will focus on the physical, chemical and biological environments in ocean with special reference to carbonate system and eutrophication.	Identical to EB51011. Lectures are conducted in English. 7/2-7/3 JTP
EG22011	Genome Biology I	1.0	2, 3	SprAB	Tue1	2B412	hidekazu kuwayama	Lectures will cover basic knowledge on the structure and function of the genome, as well as technologies for DNA and genome analyses.	Identical to EB62011. Lectures are conducted in English. JTP
EG22911	Marine Biology I	1.0	2, 3	SprAB	Wed3	2C310	Kazuo Inaba, Sylvain Leonard Georges Agostini	Lecture will give you several topics on physical, chemical and biological properties of ocean to understand the physiology, reproduction, development, biodiversity and ecology of marine invertebrates and fish. This class will especially focus on the following aspects of marine life: life cycle, locomotion, sensory reception, biomineralization, biogeochemical distribution, photosynthesis, respiration, calcification, nitrogen fixation and the impact of climate change. We will give examples of marine organisms under planktonic and benthic conditions and coral reef. The history and present situation of marine biology research will be also included.	Identical to EB72911. Lectures are conducted in English. JTP
EG24111	Plant Physiology I	1.0	2, 3	SprAB	Fri1	2B411	Shinobu Satoh, Jun Furukawa, Kenji Miura	In this lecture, the relationship between various physiological phenomena and the environmental factors in the life history of higher plant will be overviewed for the understanding from the viewpoint at whole plant to cell levels with adding the latest molecular biological findings.	Identical to EB74111. Lectures are conducted in English. JTP
EG24211	Metabolic and Physiological Chemistry I	1.0	2, 3	SprAB	Thu1	2C310	Yoshihiro Shiraiwa, Iwane Suzuki	The main topics for this course will be photosynthetic energy conversion, primary and secondary carbon metabolism including C3, C4 and CAM metabolisms, photorespiration, and respiration.	Identical to EB74211. Lectures are conducted in English. JTP
EG33111	Plant Biotechnology I	1.0	2, 3	SprC	Intensive		Kazuo Watanabe, Akira Kikuchi, Michiyuki Ono	Lectures will cover topics on plant biotechnology including control of flowering time, circadian rhythms, photoperiodic responses, organ size and responses to environmental stresses.	Identical to EB83141. Lectures are conducted in English. 7/9-7/10 JTP EB83111 修得者の履修は認めない。
EG34111	Theoretical Ecology	1.0	2, 3	SprAB	Thu1	2D202	Yukihiko Tokunaga (Toquenaga)	This course illustrates theoretical aspects of ecology with examples of laboratory experiments to connect mathematical expressions with ecological phenomena in nature.	Identical to EB64111. Lectures are conducted in English. JTP
EG39201	Overview of Algal Biomass	1.0	2 - 4	SprC	Intensive		Iwane Suzuki, Takeshi Nakayama, Yoshida Masaki	Biofuels, especially using algae and protists, phylogenetic diversity and physiology of algae and protists, and a research trend of algal biofuels will be the subjects of this lecture.	Identical to EB79101. Lectures are conducted in English. 7/6-7/7 JTP
EG60431	Special Seminar IV	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Seminar on the Special research related with agro-biological resource sciences for each individual student.	JTP Identical to EC00041. Lectures are conducted in English.
EG60443	Special Seminar V	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Field practice on the special research related with agro-biological resource sciences for each individual student.	JTP Identical to EC00053. Lectures are conducted in English.



## ● Fall Semester (October 2015-March 2016)

### 1. Multidisciplinary Subjects

(1) Multidisciplinary Subjects I

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
1B90061	Introduction to Social Sciences	1.0	1, 2	FallAB	Mon2	3A305	Ioshiaqui Edson Urano, Abu Girma Moges, Miyasaka Wataru	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

(2) Multidisciplinary Subjects II

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
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 Japanese culture.	JTP Lectures are conducted in English. Limited to 30 students
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: work habits, human relationships, communication patterns, etc.	Lectures are conducted in English. JTP Limited to 30 students
1C90071	Career Design II	1.0	1, 2	FallC	Mon1,2	9L202	CHINAMI YAMAMOTO	In this course, we will read about and discuss various topics related to employment following graduation. Some topics may include: systems of employment, management, lifestyles that are behind Japanese manufacturing and business, etc.	Lectures are conducted in English. JTP Limited to 30 students

### 2. Foreign Languages

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
3290042	German AII	1.0	1	FallAB C	Mon6	CA304	Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course Non-G30 students, including students admitted in fall semester, can register this course. The credits of German AII, BII and CII can be changeable to those of German AI, AII, BI, and BII only if all the three credits are taken at the same time. Otherwise, some of the credits can be changeable to those in the category of optional subjects.
3290052	German BII	1.0	1	FallAB C	Wed6	CA304	Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course Non-G30 students, including students admitted in fall semester, can register this course. The credits of German AII, BII and CII can be changeable to those of German AI, AII, BI, and BII only if all the three credits are taken at the same time. Otherwise, some of the credits can be changeable to those in the category of optional subjects.
3290062	German CII	1.0	1	FallAB C	Thu6	CA304	Maria Gabriela Schmidt	The aim of this course is to develop a basic and general ability in German.	German A, German B, and German C should be taken as a set. Lectures are conducted in English. JTP G-course Non-G30 students, including students admitted in fall semester, can register this course. The credits of German AII, BII and CII can be changeable to those of German AI, AII, BI, and BII only if all the three credits are taken at the same time. Otherwise, some of the credits can be changeable to those in the category of optional subjects.

### 3. Japanese Issues

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
7290011	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
7290021	Japanese Issues II(Introductory Japanese History)	1.0	1 - 2	FallAB	Wed3	9L202	CHINAMI YAMAMOTO	In this course, we will read about and discuss various topics relating to the culture and traditions of Japan.	Limited to 30 students Lectures are conducted in English. JTP
7290031	Japanese Issues III(Japanese Life and Culture)	1.0	1 - 2	FallC	Wed3 by appointment	9L202	CHINAMI YAMAMOTO	In this course, we will read about and discuss various topics relating to the history and people of Japan.	Limited to 30 students Lectures are conducted in English. JTP
7290041	Japanese Issues IV(Japanese Language and Society)	1.0	1 - 2	FallC	Fri2	9L202	Cade Conlan Bushnell	In this course, we will read about and discuss various topics relating to the Japanese language and its relation to Japanese culture and society.	Limited to 30 students Lectures are conducted in English. JTP
7290051	Japanese Issues V(Japanese Socio-culture)	1.0	1 - 2	Spr Vac	Intensive	9L202	Cade Conlan Bushnell	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
7290061	Japanese Issues VI(Living and Learning among the Japanese)	1.0	1 - 2	FallAB	Fri2	9L202	Cade Conlan Bushnell	In this course, we will read about and discuss various topics relating to learning Japanese in Japan.	Limited to 30 students Lectures are conducted in English. JTP

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BE11011	International Social Studies I	2.0	1	Fall/AB	Thu4,5	3A408	Ioshiaqui Edson Urano, Tomoko Ishikawa	The aim of this course is to provide the basic understanding of international law and international dispute settlement (in weeks 1-5). Moreover, this course aims to provide an overview of the major trends on international migration, including key migration theories and patterns of international migration (in weeks 6-10).	Lectures are conducted in English. JTP
BE21041	Academic Writing for Social Sciences I	2.0	1, 2	Fall/C	Intensive		Delgado Rodolfo	This course introduces a mix of practical and academic writing tasks with the aim of building the skills needed to operate in a student environment. Students will focus on grammar and punctuation as they practice writing different types of essays. Tasks will be set both in class and at home.	for non-native Lectures are conducted in English. JTP equivalent to "English Writing I" in 2010-2012.
BE21071	Japanese Learning Support I	2.0	1, 2	Fall/AB	Mon3,4	3A311	TAKASHI TANAKA	This course is designed to support you to acquire the basic language skills of reading Academic Japanese. When students of social sciences read some technical books or papers, they may find some complicated expression used. The aim of this class is to master the reading strategies and to understand the essence of these sentences.	JTP
BE21081	Japanese Learning Support II	2.0	1, 2	Fall/C	Mon3,4 Thu1,2	3A311	TAKASHI TANAKA	Although this course aims to built all four language skill (reading, writing, listening, and speaking), there will be focus of listening and speaking	JTP
BE21121	Contemporary World Politics	2.0	1, 2	Fall/C	Intensive		Jeffrey J Hall	Exposes students to contemporary debates in international environmental politics and sustainable development theory and practice	JTP Lectures are conducted in English. JTP G-course
BE21151	Readings of Japanese Studies	2.0	2	Fall/C	Intensive	3A213		The course introduce students to perspectives on contemporary Japan.	equivalent to "Readings of Japanese Studies I" in 2010 Lectures are conducted in English. JTP G-course
BE21201	International Economics	2.0	2	Fall/AB	Thu5,6	3A304	Yoshinori Kurokawa	This course will introduce students to basic micro, macro and international economic theories and their applications to real world data about international trade and finance. I will emphasize the usefulness of basic international economic theory in understanding international economic issues. This course does NOT require BC51061 Introductory Microeconomics or BC51081 Intro-Intermediate Macroeconomics as a prerequisite. In class, I will explain all necessary background to understand this course.	Identical to BC51071. Lectures are conducted in English. JTP
BE21231	Intro-Intermediate Macroeconomics	2.0	2	Fall/AB	Wed1,2	3A213	Hisahiro Naito	This course covers the basic concepts in macroeconomics. Topics include the IS-LM model, aggregate demand, aggregate supply and the Phillips curve, monetary and fiscal policy, rational expectations, real business cycle models, micro foundations, and long-run economic growth.	Identical to BC51081. Lectures are conducted in English. JTP
BE21241	Media Politics	2.0	1, 2	Fall/AB	Fri3,4	3A416	Leslie Tkach Kawasaki	How does the media, in all its various formats, interact with politics? From "traditional" media, such as newspapers and television, to new media formats including websites, blogs and social media channels, in this course, students will examine the intersection between media and politics from historical, theoretical, topic-based, and consumer/producer perspectives.	JTP Identical to BC51161. Lectures are conducted in English.
BE21911	Perspectives on Managerial Issues in Global Business	1.0	1, 2	Fall/AB	Intensive		Remy Magnier-Watanabe	The globalization of business and the economy is exponentially increasing. This course will focus on managerial issues in global business. Professors from the University of Tsukuba Tokyo Campus and guest speakers from the Grenoble Ecole de Management (France) will each give a lecture on one aspect of global business, including global business strategy, cultural adaptability, and negotiations.	Lectures are conducted in English. JTP
BE22071	International Politics	2.0	2 - 4	Fall/AB	Tue5,6	3A304	Takafumi Ohtomo	This course examines various theories and cases to understand the dynamics of international politics.	Identical to BC11121. Lectures are conducted in English. JTP
BE22101	Comparative Public Administration	2.0	2 - 4	Fall/AB	Tue5,6	3K302	Charles Edward Covell	The purpose of this course is to provide a general introduction to the structure of government and public administration through detailed consideration of the case of the United Kingdom. The emphasis throughout will be on bringing out the first principles underlying the basic machinery of government and public administration, and on doing this in such a way as to make these principles comprehensible to students with only a limited background in the field of comparative public administration.	Identical to BC11271. Lectures are conducted in English. JTP
BE22211	Global Political Economy II	2.0	2 - 4	Fall/AB	Fri1,2	3A311	Martin Pohl	The class will give a brief overview of the economic theory of international trade and then focus in detail on policies of international management of global enterprise.	equivalent to "International Political Economy II" in 2010-2012 JTP G-course

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BE22231	Introductory Econometrics	2.0	2 - 4	Fall Semester	Intensive	3A408		This course provides an introduction to basic econometric methods. Simple regression analysis, properties of the regression coefficients and hypothesis testing, and multiple regression analysis will be covered. Advanced topics such as instrumental variables and limited dependent variable models will be possibly included. This course preresquires Introductory Statistics.	平成25年度以降入学者は国際開発学科目(BC12061)、平成24年度以前入学者は国際関係学科目(BC11401)として履修すること。 Identical to BC11401 and BC12061. Lectures are conducted in English. JTP
BE22291	Introductory Statistics	2.0	1, 2	Fall/AB	Tue1,2	3K404		This course provides an introduction of fundamental concepts and practical methods of statistical inference. Descriptive statistics, basic of probability, random variables, sampling, point estimation, confidence interval, and hypothesis testing will be covered. A preview of the regression analysis, the detail of which will be covered in Introductory Econometrics, will be possibly provided.	Identical to BC12031. Lectures are conducted in English. JTP
BE22371	International Labour Law	2.0	2 - 4	Fall/C, Spr Vac	Intensive		Shin Yamada	To begin with getting basic knowledge in "international law" and "social protection", the course will treat the mechanism and context of international labour law and social security.	Identical to BB28791 and BC11111. Lectures are conducted in English. JTP G-course
BE22541	Personal Computer and Japanese Word Processing	1.0	1 - 4	Fall/AB	Thu6	3K203	Futoshi Kinoshita	This course is designed to help international students acquire the knowledge and skills of word processing of the Japanese language. Students will get practical experience of word processing through the use of Microsoft Word and other software packages, and also will learn the rules and formalities of Japanese writing. The course is intended for students who have such basics as hiragana, katanana and about three hundred (300) kanji.	Identical to BC12301. Lectures are conducted in English. JTP
BE22551	Outline of Japanese Education	2.0	2 - 4	Fall/AB	Tue3,4	3K102	Masako Shibata	This course is offered to students who are interested in the historical development of Japanese education. The course looks at the processes of the foundation of the Japanese education system and the formation of a modern state in Japan. Special reference is made to the past and present dimensions of patterns of the cross-national transfer of policy for education. Thus international and comparative perspectives are welcome throughout the course.	Identical to BC12251. Lectures are conducted in English. JTP
BE22561	Population and History in Japanese Perspective	2.0	2 - 4	Fall/AB	Tue/Thu 3	3K302	Futoshi Kinoshita	This course is designed to help students gain a better understanding of Japanese society by examining its demographic traits, e.g., past population growth, changes in fertility and mortality, and ageing. The aim of the course is to grasp such traits quantitatively as well as qualitatively. Through the course, students will become familiar with how to measure demographic events, such as birth and death, in an accurate and objective fashion. The topics for measurement include calculating crude rates and total fertility rate, standardization, indirect estimation, and construction of life table. By computing various demographic indices of Japan and comparing them with those of other societies, students will be able to better understand Japanese demographic characteristics from a comparative perspective.	Identical to BC12271. Lectures are conducted in English. JTP
BE22571	Population and Development	2.0	2 - 4	Fall/AB	Tue/Thu 3	3K301	Futoshi Kinoshita	The course is designed to expose students to various population issues and the field of demography, with emphasis on demographic theories and empirical materials of Asian countries. The topics to be covered include historical patterns of population growth, modernization and population, technological progress and population, population and the environment, and population policy.	Identical to BB11461 and BC12261. Lectures are conducted in English. JTP、平成17年度までの「アジアと人口」に相当
BE22701	Academic Debate for Social Sciences	2.0	2 - 4	Fall/AB	Thu1,2	3A214	Abu Girma Moges	This course is designed for students to develop and advance their skill in making logical, persuasive, and compelling arguments in favor or against topical issues in social sciences. The class is organized in such a way that students identify topics for their class presentation, make background research on selected topics in social sciences, and make their argument in an academic setting.	TOEFL-IBT:61 or higher, TOEIC:600 or higher, IELTS:5.0 or higher Lectures are conducted in English. JTP G-course G-course with prerequisites
BE22821	History of Economic Thought	2.0	2 - 4	Fall/AB	Tue1,2	3A212	Abu Girma Moges	The course is about the history, philosophy and evolution of economic ideas and thoughts. We review critically the different schools of economic thoughts from the classical to the modern to provide students with a comprehensive understanding of the origin and philosophy of economics and the economists behind such powerful ideas.	Identical to BC16021. Lectures are conducted in English. JTP

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
BE22831	Human Resource Management	1.0	2 - 4	FallAB	Wed3	3B204	Martin Pohl	This course links up with the academic goal of gaining an understanding of human resources in the context of management	Identical to BC12911. Lectures are conducted in English. JTP G-course
BE22841	International Management	1.0	2 - 4	FallAB	Intensive		Tan Caroline	This course explores the dynamic global environment of business management, by looking at the political, legal, technological, competitive and cultural factors that shape corporations worldwide.	Biennial Course (offered in odd years) Lectures are conducted in English. JTP
BE22871	Contemporary Issues in Developing Countries	2.0	2 - 4	FallAB	Fri3,4	3B405	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

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

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
EG20014	Programming I	1.0	2, 3	FallAB	Thu1	2D202	Yukihiko Tokunaga(Toquenaga)	In this lecture, students will learn programming techniques for manipulating a variety of data. They will also learn simulation techniques with individual-based models. The programming language used is Ruby.	Identical to EB60014. Lectures are conducted in English. JTP
EG23131	Biotechnology Literacy	1.0	2, 3	FallC	Intensive		Kazuo Watanabe,Akira Kikuchi,Michiyuki Ono,Taichi Oguchi	Topics covering ethical, legal and social issues in life & environmental sciences.	Identical to EB83161. Lectures are conducted in English. 1/7-1/8 JTP CDP G-course EB83131 修得者の履修は認めない。
EG29103	Laboratory and Field Studies in Land Biology	1.5	2	Spr Vac	Intensive	Sugadaira	Ryuichiro Machida,Kensuke Yahata	A four-day residential course held at the Sugadaira Montane Research Center. The aim of this course, through animal tracking, bird watching, collecting insects, is to provide genuine experience of the qualities of nature and wild animals in snowy areas.	Identical to EB09103. Lectures are conducted in English. 3/7-3/11 JTP
EG30221	Plant Taxonomy II	1.0	2, 3	FallAB	Fri2	2C101	Ken-ichiro ISHIDA,Takeshi Nakayama	Diversity, classification, morphology, ultrastructure, life history and phylogeny of green plants, including chlorophytes and land plants.	Identical to EB50221. Lectures are conducted in English. JTP
EG31021	Marine Biogeochemistry II	1.0	2, 3	FallA	Intensive		Takeo Hama,Shigeki Wada	This lecture will focus on the biogeochemical cycle of carbon with special reference to the production, transformation and decomposition of organic matter in ocean.	Identical to EB51021. Lectures are conducted in English. 10/4-10/5 JTP
EG31171	Current Topics in Animal Evolution	1.0	2, 3	FallAB	Wed2	2C101	Hiroshi Wada,Ryuichiro Machida,Masanao Honda,Kensuke Yahata	Lectures will cover topics on taxonomy, biogeography and EvoDevo of Arthropods and Chordates.	Identical to EB59171. Lectures are conducted in English. JTP
EG32131	Chemical Ecology	1.0	2, 3	FallAB	Fri4	2C107	Yooichi Kainoh,Shigeru Matsuyama,Keiko Yamaji,Seiichi Furukawa,Natsuko Kinoshita	This lecture introduces chemical aspects of relationships between individual insects, animals, plants and microorganisms of the same (pheromone) or different (allelochemicals) species.	Identical to EB82131. Lectures are conducted in English. JTP

Course No.	Title	Credits	Suggested Year for Enrollment	Term	Time	Class Room	Instructor	Description	References
EG32921	Marine Biology II	1.0	2, 3	FallAB	Wed3	2C310	Kazuo Inaba, Yasunori Saito, Yasunori Sasakura, Shunsuke Yaguchi, Kogiku Shiba, Hiroaki Nakano, Shigeaki Wada, Koetsu Kon, Takeo Horie, Sylvain Leonard Georges Agostini	Lecture will provide several topics on marine organisms, including fertilization, cilia and flagella, gene-manipulation, development, self-non-self recognition, evolution, animal behavior, population ecology and marine environment. The teaching staff of Shimoda Marine Research Center will tell you about recent progress of their own research.	Identical to EB72921. Lectures are conducted in English. JTP
EG34021	Biometry II	1.0	2, 3	FallAB	Fri3	2D202	Yukihiko Tokunaga (Toquenaga)	This lecture introduces the dark side of statistics. Starting with randomization techniques, students will learn relationships among different domains of statistical ideas: parametric, nonparametric, null hypothesis significance testing, information-theoretic methods, and the Bayesian methods.	Identical to EB64021. Lectures are conducted in English. JTP
EG34221	Metabolic and Physiological Chemistry II	1.0	2, 3	FallAB	Thu1	2C310	Iwane Suzuki	Nitrogen metabolism, sulfur metabolism, metabolic regulatory mechanisms and the function of trace metals in cellular metabolism are main topics.  The main topics for this course will be acclimation process of cellular and energy metabolisms response to the changes in intracellular and extracellular environments. It will be discussed about response and regulations of gene expression, enzymatic reaction, transport and signal transduction system.	Identical to EB74221. Lectures are conducted in English. JTP EB74231, EG34231 修得者の履修は認めない。
EG35031	Molecular Developmental Genetics	1.0	2, 3	FallAB	Fri3	2B411	Katsuo Furukubo-Tokunaga	Study of the mechanism of development is one of the most fascinating areas in current biology. This lecture focuses on the genetic programs that are conserved from fly to human beyond apparent morphological diversity. It also introduces fundamental aspects of nervous system development including network and synaptic plasticity that are essential to higher brain functions such as memory.	Identical to EB72131. Lectures are conducted in English. JTP
EG35131	Molecular Biology III	1.0	2, 3	FallAB	Thu3	2B412	Tomoki Chiba	Proteins are in a dynamic state, which is regulated by protein synthesis and degradation pathways. Each protein is degraded in a degree of selectivity, and its regulation is essential for the cell homeostasis and viability. In this class, we will learn the latest findings on the molecular mechanism of selective protein degradation and its physiological importance.	Identical to EB71131. Lectures are conducted in English. JTP
EG38131	Vertebrate Evolution	1.0	2, 3	FallAB	Tue3	2D306	Louis John Irving	This course looks at the major transitions during vertebrate evolution, particularly focussing on the transition between water and land, and the adaptations which facilitated that transition. The diversification of animal life on land, and the subsequent return of some groups to water will be studied. This course will have a strong evolutionary biology focus.	Identical to EB08131. Lectures are conducted in English. JTP
EG39101	Protistology	1.0	2, 3	FallC	Fri2,3	2C310	Ken-ichiro ISHIDA, Yosuke Degawa, Osamu Numata, Hidekazu Kuwayama, Shinichi Miyamura	Topics in protistology. Cellular evolution, cell biology, sex and reproduction, phylogeny and ecology of protists will be the subjects of this lecture.	Identical to EB59101. Lectures are conducted in English. JTP
EG50031	Cell Structure and Function	1.0	2, 3	FallAB	Fri5	2D206	DeMar Taylor	Lectures and discussions will concentrate on cell structure and function as related to 1) membranes, 2) mitochondria, 3) chloroplasts, 4) intracellular transport, 5) cell communication, 6) cell cycle and 7) cell communities.	Use English Textbook Identical to EC31251. Lectures are conducted in English. JTP
EG60431	Special Seminar IV	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Seminar on the special research related with agro-biological resource sciences for each individual student.	JTP Identical to EC00041. Lectures are conducted in English.
EG60443	Special Seminar V	2.0	1 - 3	Annual	by request		Dean and others, Nakao Nomura	Field practice on the special research related with agro-biological resource sciences for each individual student.	JTP Identical to EC00053. Lectures are conducted in English.