

First Year Seminar

Course Number	Course Name	Instru- ctional Type	Credit s	stand- ard regist- ration year	Term	Meeting Days, Per- iod etc.	Classro- om	Instructor	Course Overview	Remarks
1190212	First Year Seminar	2	1.0	1	Sum Vac	Intensi- ve		Ortolani Andrea	This course is designed to help students become familiar with the educational system and campus life at the University of Tsukuba. Important information regarding living in Japan as a foreign resident and a general introduction on Japanese society will also be provided.	For students in Undergraduate Program of International Social Studies. Lecture is conducted in English. face-to-face
1190222	First Year Seminar	2	1.0	1	Sum Vac	Intensi- ve		Kuwayama Hidekazu, Wada Hiroshi, Irving Louis John, Ying Beiwen, Kang Seung Won, Yoshioka Yosuke, Parkner Thomas	This course is designed to help students become familiar with the educational system and campus life at the University of Tsukuba. Important information regarding living in Japan as a foreign resident and a general introduction on living in Tsukuba city will also be provided. Lecture is conducted in English. face-to-face.	For students in Interdisciplinary Program in Life and Environmental Sciences. Lecture is conducted in English. face-to-face
1190232	First Year Seminar	2	1.0	1	Sum Vac	Intensi- ve	3B213	Islam Monirul Muhammad, Sharmin Sonia, Takeyasu Kotaro	This is a series of information sessions for Interdisciplinary Engineering students new to the University of Tsukuba. It includes an orientation seminar to help the students make their course plans and also facility visits on campus, such as a library, health center, cafeterias, and some selected Research Laboratories in the College of Engineering Sciences and that of Engineering Systems to become familiar with campus life.	Only for IDE students. Lecture is conducted in English. face-to-face
1190312	First Year Seminar	2	1.0	1	Fall AB	Thu2		Sandoval Felipe, Morio Takahiro	Students in Bachelor's Program in Global Issues will obtain various information to live a fruitful life.	Only for BPGI students. Lectures are conducted in English. Lecture is conducted in English. face-to-face

Invitation to Arts and Sciences

Course Number	Course Name	Instru- ctional Type	Credit s	stand- ard regist- ration year	Term	Meeting Days, Per- iod etc.	Classro- om	Instructor	Course Overview	Remarks
1228511	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appoint- ment		Ortolani Andrea	This lecture serves as an introduction to bachelor's course education at the university. This course invites students to learn about academic methodology at the university level, and cultivates an understanding of the academic field in which they are majoring, as well as the ability to understand the relationship with related fields.	For students in International Social Studies. Lecture is conducted in English. CDP. Online (Asynchronous)
1228521	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appoint- ment		Wada Hiroshi, Oguchi Taichi, Okane Izumi, Matsuzaki Hitomi	This lecture serves as an introduction to bachelor's course education at the university. This course invites students to learn about academic methodology at the university level, and cultivates an understanding of the academic field in which they are majoring, as well as the ability to understand the relationship with related fields.	For students in LES Biological Sciences. Lecture is conducted in English. CDP. Online (Asynchronous)
1228531	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appoint- ment		Ying Beiwen	This lecture serves as an introduction to bachelor's course education at the university. This course invites students to learn about academic methodology at the university level, and cultivates an understanding of the academic field in which they are majoring, as well as the ability to understand the relationship with related fields.	For students in LES Agro-Biological Resource Sciences. Lecture is conducted in English. CDP. Online (Asynchronous)

1228541	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appointment		Parkner Thomas	This lecture serves as an introduction to bachelor's course education at the university. This course invites students to learn about academic methodology at the university level, and cultivates an understanding of the academic field in which they are majoring, as well as the ability to understand the relationship with related fields.	For students in LES Geoscience Lecture is conducted in English. CDP. Online (Asynchronous)
1228551	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appointment		Ho Kiong, Hisatake Koji, Shibuya Kazuko	This lecture serves as an introduction to bachelor's course education at the university. This course invites students to learn about academic methodology at the university level, and cultivates an understanding of the academic field in which they are majoring, as well as the ability to understand the relationship with related fields.	For students in Medical Science English Program Lecture is conducted in English. CDP. Online (Asynchronous)
1228561	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appointment		Hassan Modar	This lecture serves as an introduction to bachelor's course education at the university. This course invites students to learn about academic methodology at the university level, and cultivates an understanding of the academic field in which they are majoring, as well as the ability to understand the relationship with related fields.	For students in IDE Program Lecture is conducted in English. CDP. Online (Asynchronous)
1228571	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appointment		Sandoval Felipe, Morio Takahiro	This lecture serves as an introduction to bachelor's course education at the university. This course invites students to learn about academic methodology at the university level, and cultivates an understanding of the academic field in which they are majoring, as well as the ability to understand the relationship with related fields.	For students in BPGI Lecture is conducted in English. CDP. Online (Asynchronous)

Multidisciplinary Subjects for the Undergraduate Degrees

Course Number	Course Name	Instru- ctional Type	Credit s	stand- ard regist- ration year	Term	Meeting Days, Per- iod etc.	Classro- om	Instructor	Course Overview	Remarks
1290011	Learning and Ethics of Research	1	1.0	1	Fall AB	Wed2	3A212	Kakeya Hideki, Dairaku Koji, Izawa Jun, Date Hisashi, Puentes Sandra Milena	This course introduces fundamental concepts related to learning and research activities in a university, from an ethics point of view. In particular, it includes the following topics: definition of science, research methodology, research misconduct, mentor and advisor, responsible authorship, peer review and publication, data management, collaborative research, conflict of interests, whistleblowing and obligation to protect the public.	Student number limit may apply. Priority is given to IDE Students. Lecture is conducted in English. face-to-face
1290021	OMOTENASHI —Japanese Culture and Manner—	1	1.0	1	Fall AB	Thu3	5C301	Egami Izumi	<ul style="list-style-type: none"> - To understand Japanese culture, history, and etiquette. - To learn about Japanese customs, traditions, and manners from the perspective of cross-cultural communication. - To learn business etiquette in Japan based on an understanding of the principles of protocol (international etiquette). 	The number of students is limited to 20. If the number of students exceeds the capacity, priority will be given to international students, mainly first-year students. The Lecture is conducted in English. face-to-face Lecture is conducted in English. face-to-face
1290031	Global Issues and Society	1	1.0	1, 2	Fall C	Intensive	CA305	Morio Takahiro	It is crucial to solve global issues for constructing sustainable society. We tackle the issues of water, waste management, urbanization, eco-system and climate change shown in the Sustainable Development Goals (SDGs), and we explain the causes, mechanism, spatial and temporal variabilities, and solution from the viewpoints of multiple stakeholders.	Students already completed Global Issues and Society (IC90131) are not allowed to take this class. Lecture is conducted in English. face-to-face

1290041	Japanese Issues I (Japanese Nature and Geography)	1	1.0	1, 2	Spr Vac	Intensive	9P102	Yamamoto Chinami	In this course, we will read about and discuss various topics relating to the nature and geography of Japan.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Issues I (Japanese Nature and Geography) (1A90011) 、 (8333001) 」 cannot enroll. Lecture is conducted in English. 2/18-2/21, 2/25 face-to-face Details will be given in class or posted on manaba.
1290051	Japanese Issues II (Introductory Japanese History)	1	1.0	1, 2	SprAB	Mon2	9L202	Yamamoto Chinami	In this course, we will read about and discuss history of Japan starting from the formation of Japan till the end of feudal era.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Issues II (Introductory Japanese History) (1B90021) 、 (8333011) 」 cannot enroll. Open in even number academic years. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.
1290061	Japanese Issues III (Japanese Life and Culture)	1	1.0	1, 2					In this course, we will read about and discuss various topics relating to the history, traditions, and people of Japan.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Issues III (Japanese Life and Culture) (1B90031) 、 (8333021) 」 cannot enroll. Open in odd number academic years. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.
1290071	Japanese Issues IV (Japanese Language and Society)	1	1.0	1, 2	FallC	Fri1,2	9L101	Vanbaelen Ruth	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. Priority is given to EP Students. Students who have already completed 「Japanese Issues IV (Japanese Language and Society) (1B90051) 、 (8333031) 」 cannot enroll. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.

1290081	Japanese Issues V (Japanese Socio-culture)	1	1.0	1, 2	Spr Vac	Intensive	9P209	Vanbaelen Ruth	In this course, we will read about and discuss various topics on society and culture relating to Japan and the Japanese.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Issues V (Japanese Socio-culture) (1B90071) 、 (8333041) 」 cannot enroll. Lecture is conducted in English. 2/18-2/19, 2/21 face-to-face Details will be given in class or posted on manaba.
1290091	Japanese Issues VI (Living and Learning among the Japanese)	1	1.0	1, 2	FallAB	Fri2	9L101	Vanbaelen Ruth	In this course, we will read about and discuss various topics relating to learning Japanese in Japan.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Issues VI (Living and Learning among the Japanese) (1B90081) 、 (8333051) 」 cannot enroll. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.
1290101	Japanese Culture	1	1.0	1, 2	FallAB	Mon1	9L202	Yamamoto Chinami	In this course, we will read about and discuss various topics relating to minds of Japanese and Japanese culture.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Culture (1C90011) 、 (8333091) 」 cannot enroll. Open in even number academic years. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.
1290111	Japanese Society	1	1.0	1, 2	SprAB	Mon1	9L202	Yamamoto Chinami	In this course, we will read about and discuss various topics relating to Japanese society.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Society (1C90051) 、 (8333101) 」 cannot enroll. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.

1290121	Modern Japanese History	1	1.0	1, 2						In this course, we will read about and discuss the history of Japan from Meiji period to this current day.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Modern Japanese History (1C90091) 、 (8333111) 」 cannot enroll. Open in odd number academic years. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.
1290131	Career Design I	1	1.0	1, 2	Fall IAB	Mon2	9L202	Yamamoto Chinami		In this course, we will read about and discuss various topics related to employment following graduation. Some topics may include: employment in Japan, basic knowledge of Japan, history of politics and economy, work habits, human relationships, etc.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Career Design I (1C90031) 、 (8333061) 」 cannot enroll. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.
1290141	Career Design II	1	1.0	1, 2	Fall IC	Mon1,2	9L202	Yamamoto Chinami		In this course, we will read about and discuss various topics related to current Japanese issues which will be beneficial for employment following graduation.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Career Design II (1C90071) 、 (8333071) 」 cannot enroll. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.
1290151	Career Design III	1	1.0	1, 2	SprC	Mon1,2	9L202	Yamamoto Chinami		In this course, we will read and discuss about various topics related to some Japanese issues which will be beneficial for employment following graduation. Some topics may include: past, present, and future of many aspects of Japan, etc.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Career Design III (1C90111) 、 (8333081) 」 cannot enroll. Lecture is conducted in English. face-to-face Details will be given in class or posted on manaba.
1290161	OMOTENASHI —Japanese Culture and Manner—	1	1.0	1	SprAB	Thu3	5C301	Egami Izumi		<ul style="list-style-type: none"> ・ To understand Japanese culture, history, and etiquette. ・ To learn about Japanese customs, traditions, and manners from the perspective of cross-cultural communication. ・ To learn business etiquette in Japan based on an understanding of the principles of protocol (international etiquette). 	The number of students is limited to 20. If the number of students exceeds the capacity, priority will be given to international students, mainly first-year students. The Lecture is conducted in English. face-to-face Lecture is conducted in English. face-to-face

1290171	Forest	1	1.0	1	SprA	Mon1,2		Tsumura Yoshihiko	The lecture will focus on forests from multiple perspectives, including natural science (succession, vegetation, genetics, tree diseases, wood use), environment (topography, soil, global warming), recreation, and utilization, and will include not only accumulated research results but also the latest findings on the situation and various problems surrounding forests in Japan and overseas.	Enrollment is limited to EP Program students only. Lecture is conducted in English. Online (Asynchronous)
1290181	Introduction to Inclusive Smart Society I	1	1.0	1, 2	FallAB	by request		Matsushima Takashi, Miyauchi Hisae, AKIYAMA Hajime, Aranha, Claus	This course delves into the concept of an inclusive smart society, with a particular focus on its three fundamental components: "people", "technology", and "governance/policy". Emphasizing the triad outlined by Nam and Pardo (2011), we explore the essential elements that constitute a "smart" society, where investments in human and social capital, coupled with robust ICT infrastructures, propel sustainable growth and elevate the overall quality of life. To further understand how these three components interact and to comprehend the principles behind creating a society that is truly "smart," students will be exposed to salient information and debates regarding the nature of disabilities and the inclusion of all individuals including those with disabilities.	[Registration 4/5-9/20] [Limited to 200 students] Lecture is conducted in English. Online (Asynchronous) This course is conducted in English. Limited to 200 students. Details will be posted on manaba.
1290191	Introduction to Inclusive Smart SocietyII	1	1.0	1, 2	FallAB	by request		Matsushima Takashi, Kimura Takeshi, Yoshihar a Yukari, Morio Takahiro, Hassan Modar, Sato Takahiro, Ono Seiji, Nagata Shinichi	Following the Introduction to Inclusive Smart Society I, this course introduces students to several chosen topics in designing and enhancing ISS: Popular Culture, Comparative Religion, and Sports for the Challenged people and those with disabilities as potential case studies. Students are asked to broaden their perspectives into ISS by learning those topics and exchanging their views via discussion among Japanese and American students. In some cases, students are encouraged to ask how basic notions such as "inclusive" and "smart" could be applied to the topics in this course. Students of Japan and America are also asked to recognize different cultural appreciations of the shared topics, and to learn to incorporate other cultural perspectives in locating problems and in finding solutions.	[Registration 4/5-9/20] [Limited to 200 students] Lecture is conducted in English. Online (Asynchronous) This course is conducted in English. Limited to 200 students. Details will be posted on manaba.
1390111	Living in Japan as Foreign Students	1	1.0	1	FallAB	Fri3	1C305	Urano Edson Ioshiaqui, Ortola ni Andrea	This course will provide clear explanations by using specific examples of legal and social rules foreign students must know for their lives in Japan. In particular, lectures will be focused on legal and administrative procedures required for studying, employment and settlement, by illustrating immigration control, the precautions for the limits of the non-academic activities regarding part-time jobs, visa application required for job hunting and job hunting after graduation, visa application required after the employment or in case of unemployment, marriage to a Japanese or a foreigner, and family life.	For students in Undergraduate Program of International Social Studies, auditor students and other international students CDP. face-to-face

Multidisciplinary Subjects for the Undergraduate Degrees (Upper Years Only)

Course Number	Course Name	Instru ctional Type	Credit s	standa rd regist ration year	Term	Meeting Days, Per iod etc.	Classro om	Instructor	Course Overview	Remarks
1490011	Topics in Social Sciences	1	1.0	3, 4	FallAB	Wed2	1B303	Moges Abu Girma	This course deals with advanced and contemporary topics in social sciences from the conceptual, practical, and public policy perspectives. The course will cover topics ranging from economic development, inequality and poverty, inter-and-intra national migration, political economics of public policies, sustainable development, and the prospects as well as the challenges of globalization.	Identical to 1E90011. Lecture is conducted in English. face-to-face

1490014	Inclusive Smart Society PBL	4	1.0	2, 3	Fall IAB	by request		Matsushima Takashi, Kameda Toshihiro, Yamamoto Kyosuke	This course is an international collaborative PBL (Project-Based Learning) subject with the theme of realizing the Inclusive Smart Society (ISS), involving students from Ohio State University (OSU) and the University of Tsukuba. Students from both universities will share ideas, form international teams, and work together to propose social startups aimed at realizing ISS. Participants are expected to understand the universal and regional elements of ISS, investigate and analyze various challenges, and construct practical solutions. Through this process, students can acquire practical approaches and methodologies for addressing real-world issues. It should be noted that completion of the courses "Introduction to Inclusive Smart Society I & II" is a prerequisite for taking this course.	[Registration 4/5-12/20] [Limited to 100 students] Lecture is conducted in English. Online (Asynchronous) This course is conducted in English. Limited to 100 students. Details will be posted on manaba. The 10th class will be conducted online (synchronous).
1490221	Mechatronics Basics and Applications	1	1.0	3, 4	Fall IABC	Fri3	3A213	Hassan Modar	In this course students will learn how to design and implement a mechatronics system including a) a controller, b) sensors, c) actuators, and d) an algorithm. The course is structured as follows: basic class unit, mid-term project, advanced class unit, end-term project. Students are organized in teams, and a project theme is given for each team. Evaluation is based on report and project presentation of each team. In addition to learning the structure, design, and analysis of mechatronics systems this course aims to nurture a "can do" attitude where students are willing to take challenges and design engineering solutions from scratch.	Identical to 1D90221. Lecture is conducted in English. Admission limit: up to 20 students. Priority is given to IDE Students. Identical to 1D90221. Lecture is conducted in English. face-to-face Admission limit: up to 20 students. Priority is given to IDE Students.