

Course Manager

Requisite
Multidisciplinary Subjects

First Year Seminar

Course Number	Course Name	Instructional Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1190212	First Year Seminar	2	1.0	1	Sum Vac	Intensive	Edson Ioshiaqui Urano	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. Lectures are conducted in English. face-to-face
1190222	First Year Seminar	2	1.0	1	Sum Vac	Intensive	hidekazu kuwayama, Louis John Irving, Kaori Ishikawa, Yoshiteru Hashimoto, Seung Won Kang, Zhongfang Lei, Thomas Parkner	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 Lectures are conducted in English. face-to-face
1190232	First Year Seminar	2	1.0	1	Sum Vac	by appointment	Sonia Sharmin, Modar Hassan	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 Lectures are conducted in English. face-to-face
1190312	First Year Seminar	2	1.0	1	Fall IAB	Thu2	Ryosuke Ohniwa, Takahiro Morio, Nakao Nomura, Shuntaro Yada, Hajime Akiyama, Ganchimeg Togoobaatar	Students in Bachelor's Program in Global Issues will obtain various information to live a fruitful life.	Only for BP61 students. Lectures are conducted in English. Lectures are conducted in English. face-to-face

Invitation to Arts and Sciences

Course Number	Course Name	Instructional Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1228511	Invitation to Arts and Sciences	1	1.0	1	Fall IIA	by appointment	Edson Ioshiaqui Urano	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 Lectures are conducted in English. CDP Online (Asynchronous)
1228521	Invitation to Arts and Sciences	1	1.0	1	Fall IIA	by appointment	Tomoyuki Yokoi, Takashi Shiratori, Takuto Kumano, Daichi Suzuki	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 Lectures are conducted in English. CDP Online (Asynchronous)
1228531	Invitation to Arts and Sciences	1	1.0	1	Fall IIA	by appointment	Zhongfang Lei	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 Lectures are conducted in English. CDP Online (Asynchronous)

Course Number	Course Name	Instru- ctional Type	Credit s	Stand- ard Academ- ic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1228541	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appointment	Thomas Parkner	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 Lectures are conducted in English. CDP Online (Asynchronous)
1228551	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appointment	Norihiko Ohbayashi, Kiong Ho	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 Lectures are conducted in English. CDP Online (Asynchronous)
1228561	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appointment	Sonia Sharmin, Modar Hassan	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 Lectures are conducted in English. CDP Online (Asynchronous)
1228571	Invitation to Arts and Sciences	1	1.0	1	Fall A	by appointment	Ryosuke Ohniwa	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 Lectures are conducted in English. CDP Online (Asynchronous)

Multidisciplinary Subjects for the Undergraduate Degrees

Course Number	Course Name	Instru- ctional Type	Credit s	Stand- ard Academ- ic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1290011	Learning and Ethics of Research	1	1.0	1	Fall IAB	Wed2	Hideki Kakeya, Koji Dairaku, Jun Izawa, Hisashi Date, Sandra Milena Puentes	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. Lectures are conducted in English. face-to-face
1290021	OMOTENASHI —Japanese Culture and Manner—	1	1.0	1	Fall IAB	Thu3	Izumi Egami	<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 Lectures are conducted in English. face-to-face
1290031	Global Issues and Society	1	1.0	1, 2	Fall IC	Intensive	Takahiro Morio, Rajeev Kumar Singh, Pankaj Kumar	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. Lectures are conducted in English. face-to-face

Course Number	Course Name	Instru- ctional Type	Credit s	Stand- ard Academ- ic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1290041	Japanese Issues I (Japanese Nature and Geography)	1	1.0	1, 2	Spr Vac	Intensi- ve	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. Priority is given to EP Students. Students who have already completed 「Japanese Issues I (Japanese Nature and Geography) (1A90011)」、(8333001)」 cannot enroll. Class period: Feb 17-19, Feb 22 and 24, 2027. Registration period: Oct 1, 2026 - Feb 15, 2027. Lectures are conducted in English. 2/17-2/19, 2/22 and 2/24, 2027. Lectures are conducted in English. 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	Chinami Yamamoto	In this course, we will read about and discuss history of Japan starting from the formation of Japan till the end of feudal era.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Issues II (Introductory Japanese History) (1B90021)」、(8333011)」 cannot enroll. Open in an even number year. Lectures are 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 an odd number year. Lectures are 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	Ruth Vanbaelen	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. Lectures are conducted in English. face-to-face. Details will be given in class or posted on manaba.

Course Number	Course Name	Instru- ctional Type	Credit s	Stand- ard Academ- ic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1290081	Japanese Issues V (Japanese Socio- culture)	1	1.0	1, 2	Spr Vac	Intensi- ve	Ruth Vanbaelen	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. Class period: Feb 17-19, 2027 Registration period: Oct 1, 2026 - Feb 15, 2027 Lectures are conducted in English. 2/17-2/19, 2027 Lectures are conducted in English. 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	Ruth Vanbaelen	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. Lectures are 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	Chinami Yamamoto	In this course, we will read about and discuss various topics relating to minds of Japanese and Japanese culture.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Japanese Culture (1C90011)、(8333091)」 cannot enroll. Open in an even number year. Lectures are 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	Chinami Yamamoto	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. Lectures are conducted in English. face-to-face Details will be given in class or posted on manaba.

Course Number	Course Name	Instructional Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
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 (IC90091)、(8333111)」 cannot enroll. Open in an odd number year. Lectures are 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	Chinami Yamamoto	In this course, we will read about and discuss various topics related to employment following graduation. Some topics may include: employment in Japan, basic knowledge of Japan, history of politics and economy, work habits, human relationships, etc.	Limited to 30 students. Priority is given to EP Students. Students who have already completed 「Career Design I (IC90031)、(8333061)」 cannot enroll. Lectures are 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	Chinami Yamamoto	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 (IC90071)、(8333071)」 cannot enroll. Lectures are 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	Chinami Yamamoto	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 (IC90111)、(8333081)」 cannot enroll. Lectures are 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	Izumi Egami	<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 Lectures are conducted in English. face-to-face

Course Number	Course Name	Instr uctio nal Type	Credit s	Stand ard Academ ic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1290171	Forest	1	1.0	1	SprA	Mon1,2	Tatsuyuki Seino	This lecture will focus on the situation and problems surrounding forests in Japan and other countries including the latest findings and research accumulated research results from the perspectives of natural science (succession, vegetation, genetics, tree diseases, wood use), environment (topography, soil, global warming), recreation, and utilization.	Enrollment is limited to EP Program students only. Lectures are conducted in English. Online (Asynchronous)
1290181	Introduction to Inclusive Smart Society I	1	1.0	1, 2	Fall IAB	by request	Hisae Miyauchi, Hajime Akiyama, Aranha, Claus, Takashi Matsushima	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.	[Pre-registration] [Limited to 200 students] This course requires pre-registration. Please access the "Pre-registration" under the "Course" tab on TWINS. If the number of applicants exceeds the capacity, a lottery will be conducted. After the lottery, please check the "Course registration - Registration status" screen under the "Course" tab on TWINS to confirm if you have been registered for this course. Lectures are conducted in English. Online (Asynchronous) This course is conducted in English. Limited to 200 students. Conducted on-demand, details will be posted on manaba after registration through Twins.
1290191	Introduction to Inclusive Smart Society II	1	1.0	1, 2	Fall IC, Spr Vac	by request	Takeshi Kimura, Takahiro Morio, tetsuya mihara, Modar Hassan, Takahiro Sato, Seiji Ono, Shinichi Nagata, Takashi Matsushima	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.	[Pre-registration] [Limited to 200 students] This course requires pre-registration. Please access the "Pre-registration" under the "Course" tab on TWINS. If the number of applicants exceeds the capacity, a lottery will be conducted. After the lottery, please check the "Course registration - Registration status" screen under the "Course" tab on TWINS to confirm if you have been registered for this course. Lectures are conducted in English. Online (Asynchronous) This course is conducted in English. Limited to 200 students. Details will be posted on manaba.

Course Number	Course Name	Instr uctio nal Type	Credit s	Stand ard Academ ic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1390111	Living in Japan as Foreign Students	1	1.0	1	Fall IAB	Fri 3	Edson Ioshiaqui Urano, Andrea Ortolani	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	Instr uctio nal Type	Credit s	Stand ard Academ ic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1490011	Topics in Social Sciences	1	1.0	3, 4	Fall IAB	Wed 2	Abu Girma Moges	This course deals with advanced and contemporary topics in social sciences from the conceptual, practical, and public policy perspectives. The course will cover topics ranging from economic development, inequality and poverty, inter-and-intra national migration, political economics of public policies, sustainable development, and the prospects as well as the challenges of globalization.	Lectures are conducted in English. face-to-face
1490014	Inclusive Smart Society PBL	4	1.0	2, 3	Fall IIC, Spr Vac	by request	Toshihiro Kameda, Kyosuke Yamamoto, Takashi Matsushima	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 course "Introduction to Inclusive Smart Society I" is recommended for taking this course.	【Pre-registration】 【Limited to 100 students】 This course requires pre-registration. Please access the "Pre-registration" under the "Course" tab on TWINS. If the number of applicants exceeds the capacity, a lottery will be conducted. After the lottery, please check the "Course registration - Registration status" screen under the "Course" tab on TWINS to confirm if you have been registered for this course. Lectures are conducted in English. Online (Asynchronous) Online (Synchronous) This course is conducted in English. Limited to 100 students. Details will be posted on manaba. The last class will be conducted online (synchronous). Students in their first and fourth years can also take this course.

Course Number	Course Name	Instructional Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Instructor	Course Overview	Remarks
1490221	Mechatronics Basics and Applications	1	1.0	3, 4	FallABC	Fri3	Modar Hassan	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. Lectures are conducted in English. face-to-face Admission limit: up to 20 students. Priority is given to IDE Students.