Multidisciplinary Subjects Curriculum i

First Year Seminar

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
1190212	First Year Seminar	2	1.0	1	Sum Vac	Intensive		Moges Abu Girma	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. Online(Synchronous)
1190222	First Year Seminar	2	1.0	1	Sum Vac	Intensive		Hirota Mitsuru, Irving Louis John, Kamijo Takashi, Kang Seung Won, Parkner Thomas, Kinoshita Natsuko, Maruoka Teruyuki, Kamae Yoichi	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.	For students in Interdisciplinary Program in Life and Environmental Sciences Lecture is conducted in English. Hybrid or Others
1190232	First Year Seminar	2	1.0	1	Sum Vac	Intensive	3B213	Islam Monirul Muhammad	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. Hybrid or Others (face-to-face, Online(Asynchronous) and Online(Synchronous))
1190312	First Year Seminar	2	1.0	1	FallAB	Thu2		Morio Takahiro, Sandoval Felipe, EOM SUNYONG	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	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
1228511	Invitation to Arts and Sciences	1	1.0	1	FallA	by appointment		Moges Abu Girma	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	FallA	by appointment		Sawamura Kyoichi, Nakamura Kouji, Ishikawa Kaori, Kikuchi Akira	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	FallA	by appointment		Kinoshita Natsuko	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	FallA	by appointment		Kamae Yoichi, Maruoka Teruyuki	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)

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
1228561	Invitation to Arts and Sciences	1	1.0	1	FallA	by appointment		SHEN Biao	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	FallA	by appointment		Morio Takahiro, Sandoval Felipe, EOM SUNYONG	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	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
1290011	Learning and Ethics of Research	1	1.0	1	FallAB	Wed2	3A213	Kakeya Hideki, Isobe Daigoro, 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. Online(Asynchronous) . Online(Synchronous)
1290021	OMOTENASHI —Japanese Culture and Manner—	1	1.0	1	FallBC	Thu3		Egami Izumi	・日本の文化と歴史、礼儀作法を理解する ・日本における習慣やしきたり、マナーを異文化コミュニケーションの観点から学ぶ ・プロトコール（国際儀礼）の原則を理解した上で、日本におけるビジネスマナーを習得する	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. Lecture is conducted in English. Online(Asynchronous)
1390111	Living in Japan as Foreign Students	1	1.0	1	FallAB	Fri3		Urano Edson Ioshiaqui	This course will provide clear explanations by using specific examples of legal and social rules foreign students must know for their lives in Japan. In particular, lectures will be focused on legal and administrative procedures required for studying, employment and settlement, by illustrating immigration control, the precautions for the limits of the non-academic activities regarding part-time jobs, visa application required for job hunting and job hunting after graduation, visa application required after the employment or in case of unemployment, marriage to a Japanese or a foreigner, and family life.	For students in Undergraduate Program of International Social Studies, JTP and other international students JTP. CDP. Online(Synchronous)

Multidisciplinary Subjects for the Undergraduate Degrees (Upper Years Only)

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
1490011	Topics in Social Sciences	1	1.0	3, 4	FallAB	Wed2		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. JTP. Online(Synchronous)

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days,Period etc.	Classroom	Instructor	Course Overview	Remarks
1490111	Social nature	1	1.0	3, 4	SprAB	Fri3	2B411	Parkner Thomas	Understanding coupled natural/environmental and human systems is fundamental to the quest for sustainability. But, what is “nature” or “environment”, or what are environmental issues? In this lecture, nature, environment, and envrionmental issues are discussed as a social construct subject to changing perceptions. To bridge the gap between natural and social students, theories and concepts from both, natural sciences and social sciences, are presented, which are relevant for human-environment interaction research. Climate change as a current threat is discussed from the natural science perspective as well as from deeply entrenched social worldviews to explore a complex environmental problem from a cross-disciplinary perspective.	Course is held online (Microsoft Teams, synchronous & asynchronous). Not offered from 2023. Identical to 1F90011. JTP. Online(Synchronous)
1490221	Mechatronics Basics and Applications	1	1.0	3, 4	FallABC	Fri3		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.