

Multidisciplinary Subjects Curriculum ii

Multidisciplinary Subjects I

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		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	Intensi- ve		Hirota Mitsuru, Irving Louis John, Kami jo 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	Intensi- ve	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	Fall IAB	Thu2		Morio Takahiro, Sandova l Felipe	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
1290011	Learning and Ethics of Research	1	1.0	1	Fall IAB	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	Fall IBC	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)

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
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, GDP, Online(Synchronous)

#### Multidisciplinary Subjects II

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
1A90011	Japanese Issues I (Japanese Nature and Geography)	1	1.0	1, 2	Spr Vac	Intensi- ve		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. Identical to 8333001. Lecture is conducted in English. JTP. Online(Synchronous) Details will be given in class or posted on manaba.
1A90081	Food and Forest	1	1.0	1, 2	FallAB	Mon2		Kang Seung Won	This course introduces crop plants, domestic animals and trees and their products in relation to culture, society, economy and environment.	Not offered from 2023 Lecture is conducted in English. JTP. Online(Synchronous)
1B90021	Japanese Issues II (Introductory Japanese History)	1	1.0	1, 2	SprAB	Mon2		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. Open in even number years. Identical to 8333011. Lecture is conducted in English. JTP. Online(Synchronous) Details will be given in class or posted on manaba.
1B90031	Japanese Issues III (Japanese Life and Culture)	1	1.0	1, 2				Yamamoto Chinami	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. Open in odd number years. Identical to 8333021. Lecture is conducted in English. JTP. Online(Synchronous) Details will be given in class or posted on manaba.

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
1B90051	Japanese Issues IV (Japanese Language and Society)	1	1.0	1, 2	Fall C	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. Identical to 8333031. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.
1B90071	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. Identical to 8333041. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.
1B90081	Japanese Issues VI (Living and Learning among the Japanese)	1	1.0	1, 2	Fall AB	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. Identical to 8333051. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.
1C90011	Japanese Culture	1	1.0	1, 2	Fall AB	Mon1		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. Open in even number years. Identical to 8333091. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.
1C90031	Career Design I	1	1.0	1, 2	Fall AB	Mon2		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. Identical to 8333061. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.
1C90051	Japanese Society	1	1.0	1, 2	Spr AB	Mon1		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. Identical to 8333101. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.

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
1C90071	Career Design II	1	1.0	1, 2	Fall C	Mon1,2		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. Identical to 8333071. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.
1C90091	Modern Japanese History	1	1.0	1, 2				Yamamoto Chinami	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. Open in odd number years. Identical to 8333111. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.
1C90111	Career Design III	1	1.0	1, 2	Spr C	Mon1,2		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. Identical to 8333081. Lecture is conducted in English. JTP. Online (Synchronous) Details will be given in class or posted on manaba.
1C90131	Global issues and society	1	1.0	1, 2	Fall C	Intensi- ve		Nomura Nakao, EOM SUNYONG, Professors for the BPGI	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.	English is the commonly used language for this course. Lecture is conducted in English. Online (Synchronous)

#### Multidisciplinary Subjects III

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
1D90221	Mechatronics Basics and Applications	1	1.0	3, 4	Fall ABC	Fri 3		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 1490221. Lecture is conducted in English. Admission limit: up to 20 students. Priority is given to IDE Students.

Course Number	Course Name	Instr uctio nal Type	Credit s	standa rd regist ration year	Term	Meeting Days, Per iod etc.	Classro om	Instructor	Course Overview	Remarks
1E90011	Topics in Social Sciences	1	1.0	3, 4	Fall AB	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 1490011. Lecture is conducted in English. JTP
1F90011	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 environmental issues are discussed as a social construct subject to changing perceptions. To bridge the gap between natural and social students, theories and concepts from both, natural sciences and social sciences, are presented, which are relevant for human-environment interaction research. Climate change as a current threat is discussed from the natural science perspective as well as from deeply entrenched social worldviews to explore a complex environmental problem from a cross-disciplinary perspective.	Course is held online (Microsoft Teams, synchronous & asynchronous) Identical to 1490111. JTP

## Alternative Subjects as Multidisciplinary Subjects II for English Program Students

Students belonging to the English Programs in Curriculum ii (※For the curricula in the Multidisciplinary Subjects, please refer to page 686) who have not received the number of credits for Multidisciplinary Subjects II required for graduation can substitute the following subjects for Multidisciplinary Subjects II, Subject type A or type B by completing the application procedure.

If you would like to request the following subjects to be admitted as Multidisciplinary Subjects II, Subject type A or type B, then apply to the Academic Service Offices after registering the following subjects.

Note:

If you did not apply to the Academic Service Offices, the following subjects will not be admitted as Multidisciplinary Subjects II and will be treated as specified in the graduation requirements for each program.

### Alternative Subjects as Multidisciplinary Subjects II, Subject type A

Course No.	Course Name	Course Offering Term	Weekday, Period	Credits	Remarks
EB11651	Introduction to Ecology	Fall AB	Wed 5	1.0	*1
EB11851	Introduction to Plant Physiology	Spring AB	Thu 4	1.0	*1

\*1 The above courses cannot be substituted for students enrolled in the College of Biological Sciences in or before AY 2018.

### Alternative Subjects as Multidisciplinary Subjects II, Subject type B

Course No.	Course Name	Course Offering Term	Weekday, Period	Credits	Remarks
BE21861	Introduction to Economics	Spring AB	Mon 5,6	2.0	*2
BE21371	Introduction to Law	Spring AB	Tue 2,3	2.0	
BE21381	Introduction to Political Science	Fall AB	Mon 1,2	2.0	
BE21391	Introduction to Sociology	Fall AB	Thu 4,5	2.0	

\*2 The above course cannot be substituted for students enrolled in the College of Agro-Biological Resource Sciences since AY 2019.