

## Foundation Subjects for Major (Required)

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
VB10001	General Introduction to Global Issues	1	3.0	1	Fall A Fall B	Mon/Fri 1, 2 Mon1, 2	9G401	Morio Takahiro, AKIYAMA Hajime, Nomura Nakao, Sandoval Felipe	Students look at global issues from various perspectives through this course. First, we discuss what global issues are and share a basic perspective. It then considers specific issues based on sustainable development goals (SDGs).	Lecture is conducted in English. Major required course. face-to-face. interdepartmental course
VB10011	Methodology for Global Issues	1	3.0	1	Fall A Fall B Fall C	Wed2-4 Wed2 Wed3, 4	9G401	Morio Takahiro, Nomura Nakao, Jactat Bruno Daniel Philippe, AKIYAMA Hajime, Sandoval Felipe	Using the Problem Based Learning Approach, in this course students can deepen the global issues at three levels: 1. deepen the knowledge and the information about a problem, issue 2. how everyone is concerned (I, you, them) and how everything is linked 3. what behaviour to adopt, what to do to tackle the global issues, looking globally to problem and identifying local solutions	Lecture is conducted in English. Major required course. face-to-face. interdepartmental course
VB20001	Literacy in Global Issues (Environment)	1	3.0	1	Fall AB	Tue1, 2 Intensive	9G401	Tsujimura Maki, Morio Takahiro	This course aims at acquiring fundamental knowledge to understand global issues from environmental viewpoints. On Tuesdays, students will be required to read the designated textbook on basics of earth environmental sciences together and give presentation on the contents. On Thursdays, students will learn examples to deepen insights on actual global issues through lectures by experts.	Lecture is conducted in English. Major required course. face-to-face. interdepartmental course
VB30001	Literacy in Global Issues (Human)	1	3.0	1	Fall AB Fall C	Mon5, 6 Intensive	9G401	AKIYAMA Hajime, Sandoval Felipe, Morio Takahiro	This course focuses on specific approaches to the global issues of social diversity-inclusion as well as human health-wellbeing. Taking concrete examples, students can deepen basic knowledge of the global governance and well-being.	Lecture is conducted in English. Major required course. face-to-face. interdepartmental course

## Major Subjects (Required)

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
VB10012	Seminars on Global Issues III	2	6.0	4	Fall ABC	by appoint- ment		Morio Takahiro, Sandoval Felipe	The aim of this series of seminars is to enable each student to determine his/her research theme on specific issues at the global or planetary scale. At this level, students are supervised and directed individually to better enable each one to develop his/her own original approach and be able to contact the appropriate laboratories at the University of Tsukuba.	Students who have completed the Seminars on Global Issues A-II (VB20022) and Seminars on Global Issues B-II (VB30023) . Lecture is conducted in English. Major required course. face-to-face (partially online)
VB10013	Practical Training on Global Issues III	3	6.0	4	Fall ABC	by appoint- ment		Morio Takahiro, Sandoval Felipe	Students will learn how to set up local, global and international projects both individually and as a team. They will interact with businesses, research institutions, NPO, NGO, and so on, depending on their specific field of interest, in order to research solutions to global-level issues.	Students must follow this course at the same time as or after having accomplished the Seminars on Global Issues III (VB10012) . Lecture is conducted in English. Major required course. face-to-face (partially online)
VB10018	Graduation Research I	8	3.0	4	Fall ABC	by appoint- ment		Morio Takahiro, Sandoval Felipe, AKIYAMA Hajime, Jactat Bruno Daniel Philippe	Students may choose to either submit a thesis or undertake an internship according to their specific field of research. Students will be individually supervised by faculty from the different disciplines.	Lecture is conducted in English. Major required course. face-to-face (partially online)

VB10028	Graduation Research II	8	3.0	4	SprABC	by appointment		Morio Takahiro, Sandoval Felipe, AKIYAMA Hajime	Students may choose to either submit a thesis or undertake an internship according to their specific field of research. Students will be individually supervised by faculty from the different disciplines. And students will achieve their challenging work in thesis or report.	Lecture is conducted in English. Major required course. face-to-face (partially online)
VB10038	Graduation Research I	8	3.0	4	SprABC	by appointment		Morio Takahiro, Sandoval Felipe, Jactat Bruno Daniel Philippe	Students may choose to either submit a thesis or undertake an internship according to their specific field of research. Students will be individually supervised by faculty from the different disciplines. Consult with your supervisor before enrolment.	Lecture is conducted in English. Major required course. face-to-face (partially online) Consult with your supervisor before enrolment.
VB10048	Graduation Research II	8	3.0	4	FallABC	by appointment		Morio Takahiro, Sandoval Felipe	Students may choose to either submit a thesis or undertake an internship according to their specific field of research. Students will be individually supervised by faculty from the different disciplines. And students will achieve their challenging work in thesis or report. Consult with your supervisor before enrolment.	Lecture is conducted in English. Major required course. face-to-face (partially online) Consult with your supervisor before enrolment.
VB20012	Seminars on Global Issues A-I	2	6.0	2	SprABC	Fri 5, 6 by appointment	9G401	Morio Takahiro, Sandoval Felipe	This series of seminars aims at providing basic knowledge and skills to solve global issues in the fields of "Earth Environment" and "Risk and Security" through the PBL (Problem Based Learning) method. In the first part students will learn history and theories related to environmental problems and disaster resilience. Second, students will acquire methodologies that are useful to analyze phenomena that cause global issues. Third, students will conduct fieldwork and apply the knowledge from lecture to understand problems and suggest solution for target area. Lastly, students will present the achievement of group work.	This course is for BPGI students, or students who have earned credits of VB10001 and VB10011. Lecture is conducted in English. Major required course. face-to-face
VB20013	Practical Training on Global Issues A-I	3	3.0	2	SprABC	Thu 5, 6 by appointment	9G401	Morio Takahiro, Sandoval Felipe	This practical training enhances skills of problem formation and solution development through PBL (Problem Based Learning) to attack global issues in the field of "Earth Environment" and "Risk and Security". Firstly, students will set individual study project related to global issue. Then, students will conduct their research activities including literature review, data analysis, and survey by consulting with their advisor and mentor. Student will present on their study project and have discussion. This course also provide the lectures of methodology for data analysis related to themes of study project.	Students must follow this course at the same time as or after having accomplished the Seminars on Global Issues A-I (VB20012) Lecture is conducted in English. Major required course. face-to-face
VB20022	Seminars on Global Issues A-II	2	6.0	3	SprABC	Fri 1, 2 by appointment	9G402	Morio Takahiro, Sandoval Felipe	This series of seminars aims at providing basic knowledge and skills to solve global issues in the fields of "Earth Environment" and "Risk and Security" through the PBL (Problem Based Learning) method. In the first part students will learn history and theories related to environmental problems and disaster resilience. Second, students will acquire methodologies that are useful to analyze phenomena that cause global issues. Third, students will conduct fieldwork and apply the knowledge from lecture to understand problems and suggest solution for target area. Lastly, students will present the achievement of group work.	Students who have completed the Seminars on Global Issues A-I (VB20012). Lecture is conducted in English. Major required course. face-to-face

VB20023	Practical Training on Global Issues A-II	3	3.0	3	SprABC	Thu5, 6 by appointment	9G402	Morio Takahiro, Sandoval Felipe	This practical training enhances skills of problem formation and solution development through PBL (Problem Based Learning) to attack global issues in the field of "Earth Environment" and "Risk and Security". Firstly, students will set individual study project related to global issue. Then, students will conduct their research activities including literature review, data analysis, and survey by consulting with their advisor and mentor. Student will present on their study project and have discussion. This course also provide the lectures of methodology for data analysis related to themes of study project.	Students must follow this course at the same time as or after having accomplished the Seminars on Global Issues A-II (VB20022). In principle, only BPGI students are allowed. Students other programmes may be accepted after consultation. Lecture is conducted in English. Major required course. face-to-face
VB30012	Seminars on Global Issues B-I	2	6.0	2	Fall IAB Fall ABC Fall C	Fri 2, 3 Wed 4, 5 Wed 1, 2	9G402	AKIYAMA Hajime, Sandoval Felipe, Morio Takahiro	These seminars will approach a wide range of academic knowledge, evaluation methods, and coping and preventive strategies related to the issues of social diversity-inclusion as well as human health-wellbeing. For the former part, the course will provide a variety of global issues concerning the disciplines of humanities and social sciences. Students will learn what are problems and discuss how we can resolve them. As for the latter part, the course will approach the health matters of aged people, as contemporary society requires information literacy and care of the elderly. Students will learn basic concepts and techniques of a survey to grasp problems in a real situation, processing methods, and interpretative strategies for gathered information (documents, data). In the end, students will come up with an action plan and/or original research project aiming at finding and solving problems in a real situation.	This course is for BPGI students, or students who have earned credits of VB10001 and VB10011. Lecture is conducted in English. Major required course. face-to-face
VB30013	Practical Training on Global Issues B-I	3	3.0	2	Fall IABC	Tue 3, 4, by appointment	9G401	Sandoval Felipe, AKIYAMA Hajime, Morio Takahiro	These courses will provide experiences of tackling global issues. Students will conduct, individually or on a team, a practical activity in order to understand causes, backgrounds, processes of the global issues and seek solutions. Students also use a variety of methods for this purpose, including group discussions, data collection, field research, and experimentation. It will be important to derive feasible solutions based on objective evidences. In the end, students will make a presentation of the research and obtain critical feedback on the project.	Students must follow this course at the same time as or after having accomplished the Seminars on Global Issues B-I (VB30012). Lecture is conducted in English. Major required course. face-to-face
VB30022	Seminars on Global Issues B-II	2	6.0	3	Fall IABC	Mon/Thu 3, 4	9G402	Sandoval Felipe, AKIYAMA Hajime, Morio Takahiro	These seminars will approach a wide range of academic knowledge, evaluation methods, and coping and preventive strategies related to the issues of social diversity-inclusion as well as human health-wellbeing. For the former part, you will learn a variety of global issues concerning the disciplines of humanities and social sciences. You will learn what are problems and discuss how we can resolve them. As for the latter part, the course will approach the health matters of aged people, as contemporary society requires information literacy and care of the elderly. You will learn basic concepts and techniques of a survey to grasp problems in a real situation, processing methods, and interpretative strategies for gathered information (documents, data). In the end, you will come up with an action plan and/or original research project aiming at finding and solving problems of a real situation.	Students who have completed the Seminars on Global Issues B-I (VB30012). Lecture is conducted in English. Major required course. face-to-face

VB30023	Practical Training on Global Issues B-II	3	3.0	3	FallABC	Fri3, 4, by appointment	9G401	Morio Takahiro, AKIYAMA Hajime, Sandoval Felipe	These courses will provide experiences of tackling global issues. Students will conduct, individually or on a team, a practical activity in order to understand causes, backgrounds, processes of the global issues and seek solutions. Students also use a variety of methods for this purpose, including group discussions, data collection, field research, and experimentation. It will be important to derive feasible solutions based on objective evidences. In the end, students will make a presentation of the research and obtain critical feedback on the project.	Lectures are conducted in English. Students must follow this course at the same time as or after having accomplished the Seminars on Global Issues B-II (VB30022). In principle, only BPGI students are allowed. Students other programmes may be accepted after consultation. Lecture is conducted in English. Major required course. face-to-face
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