

Third year transfer students

4 Requirements for Completion

- Students are required to prepare and present a research plan as a QE during the first semester of the third year.
- Students must complete at least 8 credits of common classes (12 credits for those enrolled in the Social Practice Course in addition to the common classes) and 8 credits in the Convergence Knowledge Courses, receive the necessary research guidance, and pass the dissertation defense and examination at GSAIS.
- Students must have a TOEFL-iBT score of 80 or higher or an IELTS overall band score of 6.0 or higher to complete the program.

4.1 Credits required for completion the program (Interdisciplinary Studies Course)

Class classification	Requirements	Credits	Remarks
Common Classes	Required	8	
Convergence Knowledge Courses	Selective	8	Choose one of Sustainability, Wellbeing, or Space Exploration & International Development and earn at least 8 credits from that course (Note)
Total		16	

4.2 Credits required for completion the program (Social Practice Course)

Class classification	Requirements	Credits	Remarks
Common Classes	Required	8	
Mushashugyo and PBR		12	
Convergence Knowledge Courses	Selective	8	Choose one of Sustainability, Wellbeing, or Space Exploration & International Development and earn at least 8 credits from that course
Total		28	

(Note): Requirements for the issuance of a certificate in the name of the President to students of GSAIS

In addition to the 2 credits of required courses for each course and at least 4 credits of 2 courses from groups a and b, students must acquire at least 2 credits of courses offered by other graduate schools.

Requirements for submission of doctoral dissertation for applicants of the new curriculum from FY2025

「Interdisciplinary Studies Course」

While further deepening the specialized axis formed by the second year, or acquiring expertise in an academic field different from that specialized axis, the student summarizes the results of his or her studies and research that contribute to human survivability in a doctoral dissertation.

(Submission Requirements)

The applicant must have at least two peer-reviewed papers or more during the period of study.

However, at the time of submission of the doctoral dissertation, one of the two or more refereed papers may include a paper that is currently being submitted for publication. (When a paper that is in the process of submission is published, the student should notify the student affairs section of GSAIS as soon as possible.)

「Social Practice Course」

The student will further deepen the specialized axis formed by the second year, and together with the efforts made during the Musha Shugyo and PBR, summarize the results of the study and research that contribute to human survivability in a doctoral dissertation.

(Submission Requirements)

In addition to having at least one peer-reviewed paper while in school, Musha Shugyo and PBR working paper must be included in the doctoral dissertation.

5 Class List

5.1 Research Guidance Classes

Class Title	Semesters		Credits	Grade	Remarks
	First	Second			
Human Survivability Studies I	○		4	3・4	
Human Survivability Studies II	○		4	5	

(1) Human Survivability Studies I

- 1) It is necessary that a senior academic supervisor, assistant supervisors, and the student maintain close communication among themselves to confirm the progress status of the student's research and courses taken. (3rd and 4th year)
- 2) As a general rule, it is necessary to attend at Transdisciplinary Research Group meetings 6 meetings per half-year (including at least 3 meetings in Human Survivability Studies meeting), including 3 presentations. (3rd and 4th year)
- 3) As a general rule, attend the Jyuku-gi seminars at least 7 times in the same academic year and submit a report each time.
- 4) As a general rule, participate in the Shishukan Conference and the presentation of research results for 1st and 2nd year students. (3rd and 4th year)
- 5) It is necessary to submit copies of the list of research outcomes (refereed papers, conference presentations, etc.) and relevant papers, etc. at the end of the academic year. (4th year)

(2) Human Survivability Studies II

- 1) It is necessary that a senior supervisor, assistant supervisor(s), and the student maintain close communication among themselves to confirm the progress status of the student's research and courses taken.
- 2) As a general rule, it is necessary to attend at Transdisciplinary Research Group meetings 6 meetings per half-year (including at least 3 meetings in Human Survivability Studies meeting), including 3 presentations.
- 3) As a general rule, participate in the Shishukan Conference and the presentation of research results for 1st and 2nd year students.
- 4) It is necessary to take and pass "研究倫理・研究公正" or "Research Ethics and Integrity", a common graduate school class, by the end of the first semester of the fifth year in a field (science, engineering, humanities, or life sciences) appropriate to their research content.

However, “研究倫理・研究公正” and “Research Ethics and Integrity” are not included in the completion credits.

- 5) It is necessary to announce the structure of a PhD dissertation in a three-party meeting or another occasion about six months before its submission. It is also necessary to submit a pre-doctoral thesis of the PhD dissertation on that occasion. The pre-doctoral thesis must specify the theme and structure of the dissertation, as well as give a brief description of its thesis.

5.2 Mushahugyo and PBR

Class Title	Semesters		Credits	Grade	Remarks
	First	Second			
Mushashugyo and PBR	○		12	3・4・5	

- 1) In the middle of Mushashugyo, it is necessary to submit a midterm report (in English, up to 5 sheets of A4-sized paper) and have a meeting with a supervisor at the internship host organization, while at the same time holding regular discussions with the senior supervisor and assistant supervisor(s).
- 2) It is necessary to promptly prepare and submit a working paper (in English or Japanese, up to 20 sheets of A4-sized paper) after the completion of Mushashugyo and PBR and receive the evaluation by making a presentation at the Working Paper results presentation session.

5.3 Convergence Knowledge Courses (Sustainability)

Students in the Humanities and Social Sciences must take at least 2 courses (4 credits) from Group “a” and at least 1 course (2 credits) from Group “A”, for a total of at least 3 courses (6 credits). Students in the Engineering and Natural Sciences must take at least 2 courses (4 credits) from Group “b” and at least 1 course (2 credits) from Group “B”, for a total of at least 3 courses (6 credits). Humanities students must take “Humanities and Social Sciences”, and science students must take “Engineering and Natural Sciences”.

Register for courses for which the last three digits of the lecture code are “000”. However, if there are special circumstances that make it difficult to participate in person each time, such as having an occupation, register for courses for which the last three digits of the lecture code are “M00”.

Class Title	Lecture(s)	Semesters		Credits	Grade	Group		Remarks
		First	Second					
Introduction to Advanced and Integrated Studies in Human Survivability (Sustainability)	Saito, Others	○		2	1・2			Required
Sustainable Development and the Energy Transition	Ialnazov		○	2	1・2	HS EN	A/a B	
Global Survivability Risk Management	Yamashiki		○	2	1・2	HS	A/a	
Super Basic Chemistry	Saito	○		2	1・2	HS	A/a	
Wisdom as an action - Study life and society from the aspect	Zhao		○	2	1・2	HS	A	
Advanced Studies Harmonizing Disaster Management and Environmental Conservation	Yamashiki, Yamori	○		2	1・2	HS	A	

Critical Thinking on Science, Technology and Society	Iseda		○	2	1・2	HS	A	◎
Sustainability Transitions	Mori	○		1	1・2	HS	A	◎
Global Environmental Politics	Sekiyama		○	2	1・2	EN	B/b	
Energy Finance	Kanamura	○		2	1・2	EN	B/b	
Introduction to Green Chemistry	Saito		○	2	1・2	EN	B/b	
Corporate strategy under SDGs (Sustainable Development Goals)	Nagayama	○		2	1・2	EN	B	
Qualitative Research Methods	FEUER		○	2	1・2	EN	B	◎
Innovation for Resilient Healthy Society: Foresight and Proposal	Imanaka		○	2	1・2	EN	B	◎

HS: Humanities and Social Sciences courses, EN: Engineering and Natural Sciences courses,
◎: Common Classes in Graduate Schools

5.4 Convergence Knowledge Courses (Wellbeing)

Students in the Humanities and Social Sciences must take at least 2 courses (4 credits) from Group “a” and at least 1 course (2 credits) from Group “A”, for a total of at least 3 courses (6 credits). Students in the Engineering and Natural Sciences must take at least 2 courses (4 credits) from Group “b” and at least 1 course (2 credits) from Group “B”, for a total of at least 3 courses (6 credits). Humanities students must take “Humanities and Social Sciences”, and science students must take “Engineering and Natural Sciences”.

Register for courses for which the last three digits of the lecture code are “000”. However, if there are special circumstances that make it difficult to participate in person each time, such as having an occupation, register for courses for which the last three digits of the lecture code are “M00”.

Class Title	Lecture(s)	Semesters		Credits	Grade	Group		Remarks
		First	Second					
Introduction to Advanced and Integrated Studies in Human Survivability (Wellbeing)	Saito, Others	○		2	1・2			Required
Infectious disease and human beings	Mizumoto	○		2	1・2	HS EN	A/a B	
Wisdom as an action - Study life and society from the aspect	Zhao		○	2	1・2	HS EN	A/a B	
Global Survivability Risk Management	Yamashiki		○	2	1・2	HS EN	A/a B	
Buddhism Across Asian Civilisations	Deroche		○	2	1・2	EN HS	B/b A	
Philosophy in the Anthropocene	Shinohara	○		2	1・2	EN HS	B/b A	
Mindfulness: East and West	Deroche	○		2	1・2	EN HS	B/b A	
Field Medicine	Sakamoto		○	2	1・2	HS	A	◎
Qualitative Research Methods	FEUER		○	2	1・2	HS	A	◎
Critical Thinking on Science,	Iseda		○	2	1・2	HS	A	◎

Technology and Society								
Social Epidemiology	Kondo	○		2	1・2	EN	B	◎
Methods of Health Sciences Research	Nakayama, Others	○		1	1・2	EN	B	◎
Health Informatics I	Nakayama, Others		○	2	1・2	EN	B	◎

HS: Humanities and Social Sciences courses, EN: Engineering and Natural Sciences courses,

◎: Common Classes in Graduate Schools

5.5 Convergence Knowledge Courses (Space Exploration & International Development)

Students in the International Development must take at least 2 courses (4 credits) from Group “a” and at least 1 course (2 credits) from Group “A”, for a total of at least 3 courses (6 credits). Students in the Space and Earth must take at least 2 courses (4 credits) from Group “b” and at least 1 course (2 credits) from Group “B”, for a total of at least 3 courses (6 credits).

Register for courses for which the last three digits of the lecture code are “000”. However, if there are special circumstances that make it difficult to participate in person each time, such as having an occupation, register for courses for which the last three digits of the lecture code are “M00”.

Class Title	Lecture(s)	Semesters		Credits	Grade	Group		Remarks
		First	Second					
Introduction to Advanced and Integrated Studies in Human Survivability (Space Exploration & International Development)	Saito, Others	○		2	1・2			Required
Development Economics (Policy and Institutions)	Ialnazov		○	2	1・2	ID SE	A/a B	
Politics of Development	Sekiyama	○		2	1・2	ID SE	A/a B	
International Development Policy	Sato		○	2	1・2	ID SE	A/a B	
Earth, the Water Planet	Yamashiki	○		2	1・2	SE ID	B/b A	
Space Habitology	Yamashiki		○	2	1・2	SE ID	B/b A	
Global Survivability Risk Management	Yamashiki		○	2	1・2	SE ID	B/b A	
Sustainability Transitions	Mori	○		1	1・2	ID	A	◎
Southeast Asian Studies	Shitara, Others		○	2	1・2	ID	A	◎
Introduction to Digital Government	Iwashita	○		2	1・2	ID	A	◎

Human Spaceology: The Study of Human Space Activities	Yamashiki		○	2	1・2	SE	B	
Humanity in the Universe	Asai		○	2	1・2	SE	B	◎
Global Environmental Economics	Mori	○		1	1・2	SE	B	◎

ID: International Development Courses, SE: Space and Earth Courses,

◎: Common Class in Graduate Schools

5.6 Classes offered by GSAIS

Class Title	Lecture(s)	Semesters		Credits	Grade	Remarks
		First	Second			
Introductory Blockchain Economics	Ikeda		○	2	1・2	
Data Science 1	Ikeda	○		2	1・2	
Data Science 2	Ikeda		○	2	1・2	
International Economics: Application to Emerging Economies	Ialnazov	○		2	1・2	
Economic Integration in Europe and East Asia	Ialnazov	○		2	1・2	Not held in 2025
Space Medicine The Study of the effects on human during space staying	Yamashiki, Terada		○	2	1・2	
Business Analytics	Yamashiki	○		2	1・2	
Application of Practical Business Analytics	Yamashiki		○	2	1・2	
Corporate strategy in a changing environment (Case Study Based)	Nagayama		○	2	1・2	
Introduction to Operations Research	Zhao	○		2	1・2	Not held in 2025
Basic Information Education	Yoshikawa	○		2	1・2	
Applied Information Education	Yoshikawa		○	2	1・2	
Risk Management	Kanamura		○	2	1・2	
Risk analysis of infectious disease	Mizumoto		○	2	1・2	
Humanities in the Anthropocene	Shinohara		○	2	1・2	
The humanities of space 1	Shinohara	○		2	1・2	
The humanities of space 2	Shinohara		○	2	1・2	
Quantum Radiation Energy, Advanced	Ohgaki, Kii		○	2	1・2	
Theory of Science, Technology and Innovation Policy	Kuwajima	○		2	1・2	