



### October 2021 Admission FGL Program Undergraduate Courses

# **General Education Guidebook**

October 2021 Tohoku University

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## **Academic Calendar of 2021 General Education Program**

#### **Fall Semester**

Orientation for FGL Undergraduate Courses	September 13 (Mon.) at 18:00 JST (Online)
Entrance Ceremony for FGL Undergraduate	September 29 (Wed.) at 11:00 – 11:30 JST (Online)
Courses / Course Orientation	AMC orientation: 15:00
	IMAC-U orientation: 13:00 – 14:30
	AMB orientation: 14:00
Classes in 2 <sup>nd</sup> Semester	October 1 (Fri.) — February 3 (Thu.), 2022
Class Registration by website	October 1 (Fri.) — October 14 (Thu.), 2021
Drop / Withdrawal for Class Registration	October 15 (Fri.) — October 28 (Thu.), 2021
Winter Break	December 29 (Wed.), 2021 — January 4 (Tue.), 2022
No classes due to National Center Test for University Admissions	January 14 (Fri.), 2022
Term-end Vacation	February 4 (Fri.), 2022 — late March

### **Class Timetable**

C = C		
Period	Class start/finish	Comments
1st Period	8:50 - 10:20	
2nd Period	10:30 - 12:00	
3rd Period	13:00 - 14:30	A chime will sound when classes start/finish.
4th Period	14:40 - 16:10	
5th Period	16:20 - 17:50	

### 2021-2022 Academic Calendar

### **General Education Subjects**

April 2021									
Su	M	Tu	W	Th	F	Sa			
				1	2	3			
4	5	6	7	8	9	10			
11	12	13	14	15	16	17			
18	19	20	21	22	23	24			
25	26	27	28	29	30				

May 2021									
Su	M	Tu	W	Th	F	Sa			
						1			
2	3	4	5	6	7	8			
9	10	11	12	13	14	15			
16	17	18	19	20	21	22			
23	24	25	26	27	28	29			
30	31								

June 2021									
Su	M	Tu	W	Th	F	Sa			
		1	2	3	4	5			
6	7	8	9	10	11	12			
13	14	15	16	17	18	19			
20	21	22	23	24	25	26			
27	28	29	30						

	July 2021									
Su	M	Tu	W	Th	F	Sa				
				1	2	3				
4	5	6	7	8	9	10				
11	12	13	14	15	16	17				
18	19	20	21	22	23	24				
25	26	27	28	29	30	31				

	August 2021									
Su	M	Tu	W	Th	F	Sa				
1	2	3	4	5	6	7				
8	9 (	10	11	12	13	14				
15	16	17	18	19	20	21				
22	23	24	25	26	27	28				
29	30	31								

September 2021								
Su	M	Tu	W	Th	F	Sa		
			1	2	3	4		
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30				

October 2021									
Su	M	Tu	W	Th	F	Sa			
					1	2			
3	4	5	6	7	8	9			
10	11	12	13	14	15	16			
17	18	19	20	21	22	23			
24	25	26	27	28	29	30			
31									

November 2021								
Su	M	Tu	W	Th	F	Sa		
	1	2	3	4	5	6		
7	8	9	10	11	12	13		
14	15	16	17	18	19	20		
21	22	23	24	25	26	27		
28	29	30						

December 2021								
Su	М	Tu	W	Th	F	Sa		
			1	2	3	4		
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30	31			

January 2022						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February 2022						
Su	М	Tu	W	Th	F	Sa
		1	2 (	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

March 2022						
Su M Tu W Th					F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Classes are held No classes

Make up classes for Wednesday will be held on August 10.

Make up classes for Friday will be held on February 3.

Classes are held despite the national holidays on April 29 and July 22.

Intensive Courses

Apr 12	First day of Spring Semester
Aug 10	Last day of Spring Semester
Jul 23 - Aug 8	Tokyo 2020 Olympics

Oct 1	First day of Fall Semester
Nov 5 - Nov 7	University Festival - no class
Dec 29 - Jan 4	All offices are closed due to New Year's holidays
Feb 3	Last day of Fall Semester

#### I General Education

# 1. Tohoku University's Admission/Diploma/Curriculum Policies for the Undergraduate Program

#### OAdmission Policy

Tohoku University seeks students who sympathize with the university's mission, and who possess either/both of the following:

- (1) The desire to significantly contribute as researchers by seriously addressing the issues facing 21st century human society or
- (2) The desire to significantly contribute to the development of society as high-level professionals with abundant knowledge and leadership, and the strength of will, bold academic curiosity, and fundamentally excellent academic abilities to realize this desire.

#### ODiploma Policy

Tohoku University confers the bachelor's degree on students who achieve the following goals.

- (1) Obtain knowledge in their specialized fields and a multifaceted perspective based on an interest in and broad knowledge of academia in general.
- (2) Obtain the education necessary to become accomplished adults, and be able to contribute to society using expertise specific to their fields of specialization.
- (3) Have the awareness and vision to assume leadership/core roles in the global community while developing fundamental abilities.

#### **Ourriculum Policy**

Tohoku University structures and implements its educational curriculum as follows to ensure that students meet the goals described in the Diploma Policy.

- (1) Offer a curriculum that creates organic links between General Education Subjects to foster broad knowledge and education, and Specialized Subjects to confer basic knowledge of specialized fields.
- (2) Following the principle of "Research First," promote the development of educational methods and establishment of educational systems while implementing active learning both in and out of class.
- (3) Develop the students' ability to learn independently by evaluating learning achievements and applying the results.

#### 2. Goals and Mission of General Education

The goals of this university's General Education program are to foster students who possess specialized knowledge that they can use in practical society and advanced research, comprehensive, modern knowledge and deep compassion, and an international perspective. It will fulfill basic educational requirements, providing the foundations for specialized and/or graduate education, and confer the below fundamental basic abilities, knowledge and expertise:

- 1) Basic knowledge and expertise needed for modern, international citizens to lead a social life
- 2) Basic accomplishments and skills that will provide core character-building for the modern world
- 3) Knowledge and skills related to a wide range of academic fields in order to aid understanding in specialized majors
- 4) Basic knowledge and skills required to study more specialized areas

In order to achieve these goals, the General Education curriculum is composed of three subject types: Core Subjects, Expansion Subjects, and Common Subjects. Classes comprising each subject group shall be carried out to meet the following goals:

	•These subjects are comprised of Human Studies, Social Studies and Science Studies.
	• Students, regardless of major, will acquire knowledge and expertise related to topical
	themes in the fields of ethics, culture, linguistic expression, gender, economics, social
Core	studies, politics, history, life sciences and environmental studies. Through this they will
Subjects	gain a wide understanding of and flexible, multifaceted perspective on various phenomena
J	in humanities, sociology and natural science, and cultivate knowledge and expertise that
	will form the foundations of their intellectual endeavors, backed by a rich set of abilities
	and human compassion.
	• These subjects are comprised of human sciences, social sciences, natural sciences
Evnancian	(composed of six groups in mathematics, physics, chemistry, biology, earth and space
Expansion	science, scientific experiments), and integrated sciences.
Subjects	• The expansion subjects will build on the fundamental knowledge and expertise acquired in
	the core subjects to provide students with the perspective and learning needed to develop

	foundational knowledge related to humanities, sociology, and natural sciences and find multidisciplinary solutions to topical problems. In addition, classes will introduce students to the academic careers of various researchers, thus increasing their interest in academia, providing them with the scholastic and human foundations for further specialized/graduate education.
Common Subjects	<ul> <li>Common Subjects are comprised of Small-Group Freshmen Seminar(Introductory Seminar), foreign languages, information science, and health/physical education, in addition to international student subjects designed especially for international students.</li> <li>Common subjects will foster abilities and basic education and expertise that are indispensable for living in the modern world, such as subjective judgment abilities based on social ethics, decision-making and communication skills, international communication abilities and cultural understanding, basic knowledge and skills related to information science, and the knowledge and expertise needed to maintain and improve mental and physical wellness. These subjects aim to provide students with abilities and expertise that will form the starting point for self-advancement.</li> </ul>

#### 3. Terms & Semesters

Tohoku University uses a two-semester system, with the period of April 1 to September 30 defined as first semester, and October 1 to March 31 as second semester. The semester comprises the basic unit of the education curriculum; General Education lasts from the 2nd to 4th semesters. FGL Students will begin classes from the 2nd Semester.

1st Year	2nd Year			3rd & 4th Year	
Fall	Spring		Fall		
	3rd Semester		4th Semester		5th – 8 <sup>th</sup> /9 <sup>th</sup> Semester
2nd Semester	1st	2nd	3rd	4th	Jui – 8 / 9 Semester
	Quarter	Quarter	Quarter	Quarter	

Classes in the Fall Semester will be held online due to the COVID-19 pandemic. However, students who are in Sendai are able to take classes on campus.

#### 4. Classes & Credits

Each class is held 15 times (weeks) per semester, and consists of lectures, seminars, experiments, laboratory work, skill tests, or some combination of these. Some classes may be implemented in intensive lectures. The number of credits reflects the amount of academic work performed, with one credit requiring 45 hours of study. General Education subjects confer two credits in consideration of the methods used in class, educational effect, and amount of study required outside of class, as indicated below.

Class Format	Hours of Class	Content of Study
Lectures	30 hrs.	Students take 15 ninety-minute classes, a course of four-hour lectures, a 2-4 hour
Seminars	30 - 60 hrs.	seminar, experiments, laboratory work, and
Experiments, Laboratory Work, Skill Tests	60 - 90 hrs.	skill tests, requiring 2 hours per class of preparation/review.

General Education uses the below 3 subject/class formats.

- Introductory Seminar: These subjects were established to introduce new students to university-level education and research, and provide them with a "shift in learning" from "high school education" to "university education." Class sizes are small (20 students or less) and incorporate autonomous learning. Students are expected to participate actively.
- Advanced Seminar: These build on the autonomous learning methods that students learn in the Introductory Seminars. The classes incorporate active learning through seminars, practical training, experiments, and fieldwork. They cover a wide variety of subject types and groups.
- International Coeducational Seminar: "International Coeducation" fosters an attitude of acceptance and understanding for diversity among students of varying languages and cultures through collaborative group work and projects. It provides learning experiences that make students reexamine their own values, and build new ones. International Coeducational Seminars provide these learning opportunities in a small-group seminar format.

#### **5. General Education System**

The implementation of General Education for all students at Tohoku University is carried out with support from the Institute for Excellence in Higher Education (IEHE), based on a university-wide system planned and operated by the Academic Affairs Council, which is comprised of Office of Educational Affairs representatives from each department. The IEHE was newly established in April 2014 by merging five independent educational organizations at Tohoku University in order to implement advanced liberal arts education and provide a higher level of student support. All instructors at this university's faculties, graduate schools, research institutes/centers, the university hospital, etc., are responsible for General Education classes, and take part in a campus-wide, supportive/cooperative class-management system to enable the conducting of basic education that provides students a broad perspective.

#### **II Registering for General Education Subjects**

#### 1. Registration Schedule

Students must register for classes in compliance with rules on required subjects (subjects which students must take), recommended subjects (classes that students are urged to take) and registration prerequisites (in cases where students cannot register for one class unless they have already completed another class) as per the student handbook for their faculty, class timetables, and this guidebook.

The number of General Education subjects that are taught in English and open to Future Global Leadership Undergraduate Courses students is limited, so FGL students should register as per the Class Timetable for the FGL Courses.

Students wishing to take classes that are not listed on the FGL Class Timetable must have sufficient Japanese ability. Please contact the Student Affairs Division in advance.

Notes on General Education subjects Registration

- •Classes that are not designated by your faculty's Student Guide will not be credited towards graduation requirements.
- •Please register for classes in the appropriate semester, as listed in your faculty's Student Handbook. You cannot register for a class before the appropriate semester (advanced registration) as designated by the faculty (department/division).
- Students cannot register for two subjects with the same subject name, even if the topics, instructors, semester, and day/time of the two subjects are different. The same applies to taking a subject with the same name as one for which the student has already received credit.

The information on teaching method and classcodes for online courses will be provided in the website below. https://www.insc.tohoku.ac.jp/english/fglgeneraledu/

#### 2. Registration Group

- 1) As class schedules are drawn up with consideration for class sizes in each faculty/year/division, in general you must register within groups created for your own faculty (own division). In principle, you cannot register for classes in groups other than those created for your own faculty (i.e. in other divisions).
- 2) Even in classes held for your own faculty, groups are sometimes further subdivided by Student ID Number.
- 3) For classes outside your division, it is possible that you will not be given permission to register due to the class content or class size.

#### 3. Registration Procedures

- 1) In order to register for classes (and receive credits), it is necessary to complete the registration procedures. If you do not complete these procedures, you will not be able to receive credit.
- 2) The registration procedures are Web-based. In general, the classes you enter cannot be changed except during the Web-based registration confirmation/revision period. During this period, please check your registration details online, and make any necessary changes at the Student Affairs Division.
- 3) Web-based registration is performed separately for each semester. You can also check your grades and credits online.
- 4) You should inquire at the FGL office when registering for classes outside your division.

#### 4. Notes on Registration and Checking Grades

(1) Web-based registration, confirmation/revision period Fall semester: October 1 (Fri.) – October 14 (Thu.)

> Educational Information System: https://www.srp.tohoku.ac.jp/ Regarding Operation Manual, please refer to the following website. https://www.srp.tohoku.ac.jp/gkms/manual/img/manual students en.pdf



- ① If you do not undergo Web-based registration, you will not receive credit for classes even if you attend the lectures and take the exams.
- ② You require a Tohoku University ID and password to perform Web-based registration.
- ③ Be sure to click the "Confirm Entry" button on the Web-based registration page. After registering, you can make changes as many times as needed until the end of this registration period.
- 4 The server will receive heavy access on the final day of registration, so try to finish registering your classes before then.
- ⑤ Remember that "Google Classroom" is not official class registration. Please be sure to register both. So does canceling classes.
- (2) Procedures for deregistering classes

Fall semester: October 15 (Fri.) – October 28 (Thu.)



- ① By registering for a class, you commit to taking that class and being graded on it. If you abandon a class before completing it, you will receive a D grade.
- ② If you wish to "deregister" a class for which you have finalized registration, you must complete the necessary procedures at the Student Affairs Division by the designated date. If you perform the required procedures, you will not be graded for that class, and your grades will show an "E" (deregistered) instead.
- (3) Confirming grades

Fall semester: will be announced on February 16 (Wed.)

- ① Please confirm your grades online using the "Grades Inquiry" screen. If you set a "Private key for the SRP image-matrix authentication" from the campus network, you will be able to check your grades from off-campus using the SRP. (For details, see: https://www.dc.tohoku.ac.jp/guide/srp/srp-e.html)
- ② For details on grading, please see "III Examinations, Grading and Reports."

#### 5. Using Student-owned Computers for Educational Activities

For some time, Tohoku University has used CALL materials for foreign language education and learning management, and we encourage students to use their own laptop computers for educational purposes in order to

improve the educational reach of the ICT-based on-demand lectures we offer. Starting in the 2020 academic year, students are required to bring their own laptop computers to 1st year undergraduate General Education classes if asked to do so by the instructor (from AY 2021, this will apply to all other classes as well). Please check the General Education class syllabi to see whether or not your classes require a computer.

All campuses have Wi-Fi access points in key locations for wireless Internet service (via eduroam). For connection instructions and other details, please refer to "Online Guide: Information Services for Education in Tohoku University" (https://www.dc.tohoku.ac.jp/guide/index-e.html).

#### 6. Internet School of Tohoku University (ISTU)

ISTU is a web service that can be accessed with your Tohoku University ID and password to obtain educational/study support over the Internet. You can use it to access class materials etc. distributed by your instructors as digital files and digital content in a variety of formats, including streaming video, to further your studies.

The service offers various educational/learning features, such as submitting reports as digital files, implementing comprehension tests, sending announcements from the instructor to students, and conducting discussions on online forums.

To learn more about ISTU, please refer to "Online Guide: Information Services for Education in Tohoku University" (https://www.dc.tohoku.ac.jp/guide/index-e.html).

#### 7. Enrolling for Japanese Language

Students on the FGL Courses are required to take 10 credits of Japanese language. Students who have taken the "Japanese Language Proficiency Test" or the "Examination for Japanese University Admission for International Students" and met certain conditions, specified elsewhere, may apply to have their test results recognized in place of coursework, and receive up to seven of the required 10 Japanese language credits.

International students at this university who have obtained a designated number of points on Japanese language tests etc. shall be considered to have completed a Japanese language class, and shall be awarded a predetermined number of credits upon application.

- 1. As per Articles 26-6 and 26-7 of the Tohoku University Faculty Regulations, and as elsewhere stipulated by the Minister of Education, Culture, Sports, Science and Technology, students who have obtained the specified number of points on the Japanese language tests etc., and students for whom it is recognized to be educationally beneficial by their faculty, shall be considered by this University to have completed a Japanese language class, and shall be awarded credits, as stipulated by the rules of their faculty.
- 2. Faculties that may approve these credits are as follows.
  Faculty of Science, School of Engineering, Faculty of Agriculture (students belonging to Future Global Leadership Undergraduate Courses)
- 3. Foreign language subjects for which these credits can be awarded are as follows. Japanese
- 4. Japanese language tests for which credits can be awarded, criterion for recognition, and number of credits are as follows.

Subject: Japanese Name of Test:

- i) Japanese Language Proficiency Test—JLPT (Japan Educational Exchanges and Services)
- ii) Examination for Japanese University Admission for International Students—EJU (Japan Student Services Organization)

#### Criterion and Number of Credits:

Criterion	Number of Credits	Score	Subject
		AA	Basic Japanese 1 (4 Credits)
JLPT N3 or higher	7	AA	Basic Japanese 2 (3 credits)
_		AA	Intermediate Japanese(3 credits)
JLPT N4	7	AA	Basic Japanese 1 (4 Credits)
JLF I N4		AA	Basic Japanese 2 (3 credits)
JLPT N5	4	AA	Basic Japanese 1 (4 Credits)
EJU 220 points or higher	an highan		Basic Japanese 1 (4 Credits)
(Not including Writing)	7	AA	Basic Japanese 2 (3 credits)
(Not including writing)		AA	Intermediate Japanese(3 credits)
EJU 200 points or higher	7	AA	Basic Japanese 1 (4 Credits)
(Not including Writing)	/	AA	Basic Japanese 2 (3 credits)

- 5. Application Instructions
  - i) Documents required for the application are the application form and a copy of the test certificate or score sheet.
  - ii) The date entered on the test certificate or score sheet must be less than two years prior to the date of application.
- 6. Certification Procedure
  - i) Certification of credits will be performed by the Foreign Language Committee of the Academic Affairs Council (hereafter, Foreign Language Committee) based on a copy of the test certificate or score sheet.
  - ii) Results of screenings by the Foreign Language Committee will be reported to the Educational Records and Programs Committee of the Academic Affairs Council.
  - iii) Credits for applications submitted before the end of January or the end of June will be certified the same semester; credits for applications submitted after February 1 or July 1 will be certified the following semester
- 7. Any items necessary for credit certification, other than those specified in this agreement, will be specified by the Foreign Language Committee.

Supplementary Regulation Ratified on October 1, 2011 Supplementary Regulations (Revised October 5, 2015) Made effective October 1, 2015; ratified on October 5, 2015

Students who feel that the class does not match their Japanese abilities may instead select 3 subjects (3 credits) from the General Education Japanese A-J classes (1 credit each; aimed at advanced JLPT N1-level students). These subjects are held for privately financed international students belonging to degree courses taught in Japanese.

If you wish to do this, speak to your Japanese language instructor in advance to confirm that your abilities will be sufficient before registering. Inquire with the FGL staff in the Student Exchange Division or General Education Operating Section in the Educational Affairs, Division for the Japanese A-J timetable.

<sup>\*</sup>Japanese class; Intermediate Japanese (3 credits)

#### **III Examinations, Grading and Reports**

#### 1. Exam Schedule, Methods

Examinations will be conducted by class instructors during the course. Please follow your instructor's directions when taking examinations. Information on examinations may sometimes be announced on bulletin boards, so please check them carefully.

Grading methods for each subject are described in the syllabus.

#### 2. Notes on Examinations

Please observe the following when taking examinations. Engaging in misconduct, such as using unauthorized textbooks, dictionaries, reference materials, notes, memos etc., looking at other students' answers, or exchanging answers during the examination will be severely punished (indefinite suspension etc.) as a violation of student regulations. Do not, under any circumstance, engage in such activities.

- (1) Follow the instructions given by the supervising instructor in the examination room.
- (2) In the examination room, fill seats from the front of the room, and place your Student ID on your desk during the examination.
- (3) Do not place anything else on your desk except writing utensils and other items explicitly permitted by the supervising instructor. (Confirm in advance whether notes/references can be used.)
  - (4) If you require a desk mat/underlay when writing, ask for permission from the supervising instructor.

#### 3. Makeup Examinations

If you are unable to take an examination due to illness, accident, or bereavement (loss of an immediate family member), you can apply through the Student Affairs Division to take a makeup examination for up to three days after the end of the relevant examination, excluding Saturdays, Sundays, and national holidays. The following documents are required.

- For illness: Doctor's diagnosis
- For accidents: Accident Report Form
- For bereavement: Corroborating documentation

#### 4. Grading

Grading is described in the syllabus for each subject.

However, grading for General Education subjects is handled as follows.

1	Grading for General Education subjects is as follows.					
	Grade	Description of Evaluation	Criteria for Points (out of 100)			
	AA	The student's performance was particularly exceptional.	90 – 100 points			
	A	The student's performance was excellent.	80—89 points			
	В	The student's performance was above average.	70—79 points			
	C	The student passed.	60-69 points.			
	D The student failed or quit the class.		59 points or below			
	Е	The student deregistered as per the proscribed procedures.	_			

#### Comments

- 1) Grading and evaluation will take into account examination performance, reports submitted, attendance, and registration status.
- 2) The "AA" grade was implemented for incoming students in the 2004 academic year onward; for students who enrolled prior to 2004, there is no distinction between the "AA" and "A" grades.
- 3) The grade designated as "E" will be given under the following conditions.
  - a) If the student deregisters at the Student Affairs Division during a designated period.
  - b) The student takes a leave of absence, or withdraws, from the university
- 4) This grading system is effective as of the subjects taught in the 2013 academic year onward.
- 2. The syllabus will provide descriptions of educational goals (academic achievement goals) and specific evaluation methods for each subject; in general, absolute evaluations will be based on the correspondence of student performance with the educational goals set for each subject.
- 3. Class instructors shall store student examination answer sheets for one year from the date of the examination, and reports etc. for one year from their due date, to serve as a basis for grading and to respond to any requests for information disclosure from students. However, this requirement does not apply to reports that are returned to the students with grades/comments; in the case of examination answer sheets, it is recommended that the instructor store the original and return a copy. (Reference: Tohoku

University Criteria on Length of Storage Period for Documents: One year or less for examination answer sheets and reports.)

- 4. Students can request that the class instructor explain the grades they received, so long as they do so within a designated period of time following the announcement of grades. However, if a student is unable, for legitimate reasons, to make this request during that period, the student may request the explanation at a later time, as long as it is within the one-year storage period.
- 5. If the student is still unsatisfied after hearing the class instructor's explanation regarding the grade, that student can file a petition with the chairperson of the Educational Records and Programs Committee of the Academic Affairs Council (hereafter "Educational Records and Programs Committee").
- 6. Upon receiving a petition of dissatisfaction, the Educational Records and Programs Committee shall set up a subcommittee, composed of several members to investigate its validity.
- 7. The Grading Improvement Committee of the Academic Affairs Council shall compile and analyze grades, and release their findings to the class instructors and students.
  - \* Designated time periods is within two weeks after the announcement of grades.
- \* A petition of dissatisfaction should be filed when the student is still unsatisfied after hearing the class instructor's explanation regarding the grade, not when the student who failed the class wishes to take a makeup exam. Students should not visit instructor's office without an appointment.

#### 5. GPA (Grade Point Average) System

In FY 2016, the GPA system was adopted by Tohoku University to increase the students' academic motivation, contribute to the provision of appropriate learning guidance, promote rigorous grade evaluation, and improve the quality of learning. The GPA system will be applied to undergraduate curriculum students who enter in FY 2016 and later.

Discretion on how to utilize GPA is left up to the individual faculties.

#### Grades and GP

Grade Points (GP) will be assigned in accordance with each faculty's regulations, faculty-specific regulations on registration, and the regulations on General Education, as per the following table.

Evaluation	GP	
Letter Grade	Score	Ur
AA	100-90	4.0
A	89-80	3.0
В	79-70	2.0
С	69-60	1.0
D	59-0	0.0

#### > GPA Categories and Calculation Method

Tohoku University has two types of GPA: one that indicates learning progress and achievements for the relevant semester (hereafter "semester GPA"), and one that indicates learning progress and achievements for the entire period of enrollment at the university (hereafter "cumulative GPA").

The semester and cumulative GPAs will be calculated with the below formulas, and the resulting numbers rounded to the 3rd decimal place.

Semester GPA = Total of (GP for each class evaluated for the semester  $\times$  the number of credits for relevant classes)  $\div$  Total credits for the classes evaluated for the semester

Cumulative GPA = Total of (GP for each class evaluated during the entire enrollment period × the number of credits for relevant classes) ÷ Total credits for the classes evaluated for the entire enrollment period

#### > Classes Affecting GPA

Classes in the Tohoku University undergraduate curriculum that are evaluated with a letter grade or score (including classes offered by other faculties), and those that count towards graduation requirements, are applicable to the student's GPA.

However, the below classes will be excluded from the student's semester and cumulative GPAs.

1) Classes taken at Tohoku University deemed to fall under Articles 11-2.1, 26-5.1, 26-6.1, or 26-7.1 of the

Tohoku University Faculty Regulations.

- 2) Classes for which the student has, by the prescribed date, applied, and received permission, to deregister.
- 3) Classes designated by the Chairperson of the Academic Affairs Council, or the Faculty Dean or Department Director.

#### **→** Handling of Re-registration

If a student re-registers for a required class in which she/he previously received a "D" grade or a score of less than 60, and then receives a "C" grade or a score of 60 or higher in that class, the GP and credits received for the previous "D" grade or score of less than 60, will be excluded from classes counting toward the student's cumulative GPA.

However, the above provision does not apply to the semester GPA.

#### **IV Introduction to Class Contents**

#### 1. Course Numbering Code

#### A) Course Numbering

Course Numbering is a system in which codes indicating a variety of information of each class, such as subject category and levels of difficulty, in order to clarify the curriculum structure.

By assigning codes and numbers to each class has a unique code to clarify its difficulty level/characteristics, significance, and the sequence in which courses should be taken, students can understand which classes they should register for, the role of each class within the undergraduate/graduate curriculum, and each course's objectives.

Also, clarifying course levels is expected to facilitate credit transfers with overseas universities.

#### B) Coding Method

Course Numbering at Tohoku University is organized as follows.

In general, the codes will be fixed for each class instead of being reassigned every academic year. However, codes may be reassigned in some cases, such as when there are major revisions to the class content.

a)	Example of	Course	Numbering	Code
----	------------	--------	-----------	------

A BC - (hyphen)	DĔF	1	23	G
$\widehat{(1)}\widehat{(2)}$	(3)	( <del>4</del> )	$\overline{(5)}$	(6)

#### b) Meanings of Each Segment of the Code:

- ①Hosting Faculty/School
- ②Department/Major (for General Education etc., subject category/group)
- (3) Academic Field
- (4) Level/Characteristics
- **5**Classification Number
- **6** Language Used in Class

#### c) List of Each Segment Code

#### ① List of Hosting Faculty/School Codes (single letter)

These codes are the same as the letter that indicates the student's faculty/graduate school, shown as the third letter of the student ID number; General Education Subjects (faculty code: Z) and Teacher Training Subjects (faculty code: Q) were assigned letters not already in use.

Faculty/Graduate School	Faculty Code
Faculty of Science/Graduate School of Science	S
School of Engineering/Graduate School of Engineering	T
Faculty of Agriculture/Graduate School of Agricultural Science	A

Faculty/Graduate School	Faculty Code
General Education Subjects	Z
Teacher Training Subjects	Q

②List of Department/Major Codes (two letters) \*Those for only General Education are shown here.

EDIST OF DO	spartificity tyrajo	reduces (two letters) Those for only General Education are six	own nere.
		Human Studies	BH
Jen	Core Subjects	Social Studies	BS
era	Subjects	Science Studies	BN
l Ec		Human Sciences	DH
General Education	Expansion Subjects	Social Sciences	DS
		Natural Sciences	DN
P		Integrated Sciences	DG
		Small-Group Freshmen Seminars	CS
	C	Foreign Languages	CF
	Common Subjects	Information Sciences	CI
	Buojects	Health Sciences	CP
		Subjects for International Students	CJ
	Teacher Traini	ing Subjects	TL

#### ③Academic Field Codes (three letters)

As shown in "III Course Numbering for General Education"

(4) List of Levels/Characteristic Codes (one number) \*only General Education is shown here

	Class T	ype/Group/Subject	Code			
Core Subjec	Core Subjects					
Expansion	Expansion Human Sciences, Social Sciences, Natural Sciences					
Subjects	Integrated Sciences					
Common	Introductory Seminar					
Subjects	Foreign Languages	English A1, A2, B1, B2	1			
	(English)	English C1, C2, Practical English Skills 1-2	2			

Foreign Languages	Introduction to Foreign Language I, II	1
(Second languages)	Foreign Language in Practice I, II, III, IV	2
Others		1
Teacher Training Subjects		1

#### (5) Classification Number (two numbers)

Classification Numbers are assigned for Course Numbering administration purposes; they are not sequential.

#### 6 Codes for Language Used in Class (one letter)

Languages used in classes will be coded as follows.

Language Used	Code
Japanese	J
English	Е
Non-English foreign languages	F
Two or more languages	В

These codes will be assigned per class instructor, in accordance with the syllabus for the relevant academic year.

(Ex.)

General Education Subject "Foundation of Calculus" taught by Professor XX (Japanese) ZDN-MAT104J General Education Subject "Foundation of Calculus" taught by Associate Professor YY (English) ZDN-MAT104E

#### 2. Searching Syllabus Online

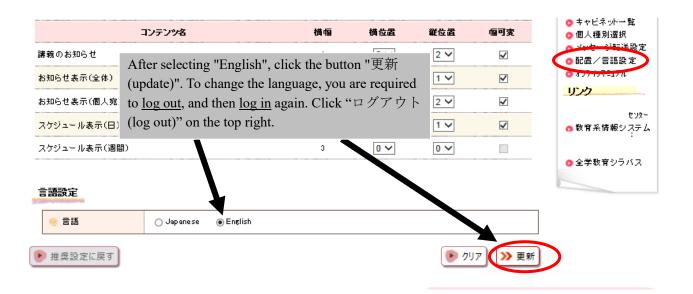
Course syllabi can be viewed in the Student Affairs Information System. It requires your Tohoku University ID and password to log into the system. While syllabi may additionally be viewed in other locations such as the university websites and the QuickSyllabus, the posting in the Student Affairs Information System is the most up-to-date information.

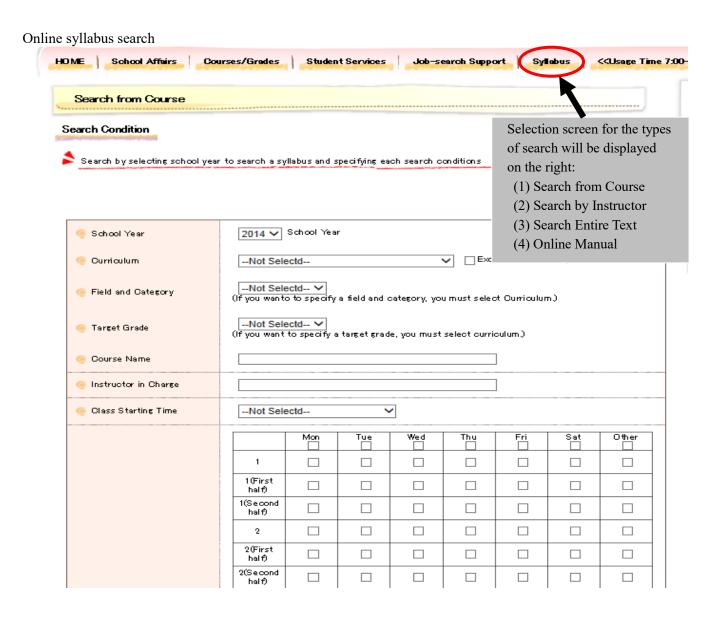
The Student Affairs Information System:

PC, smartphone: https://www.srp.tohoku.ac.jp/

Mobile phone: https://www.srp.tohoku.ac.jp/sa\_mb/ktop.do

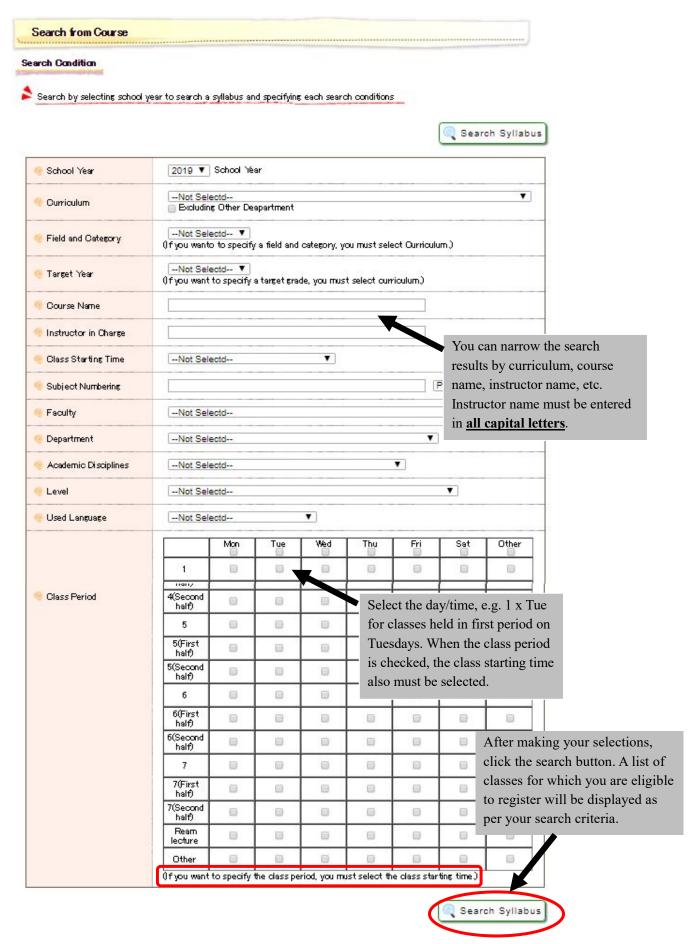




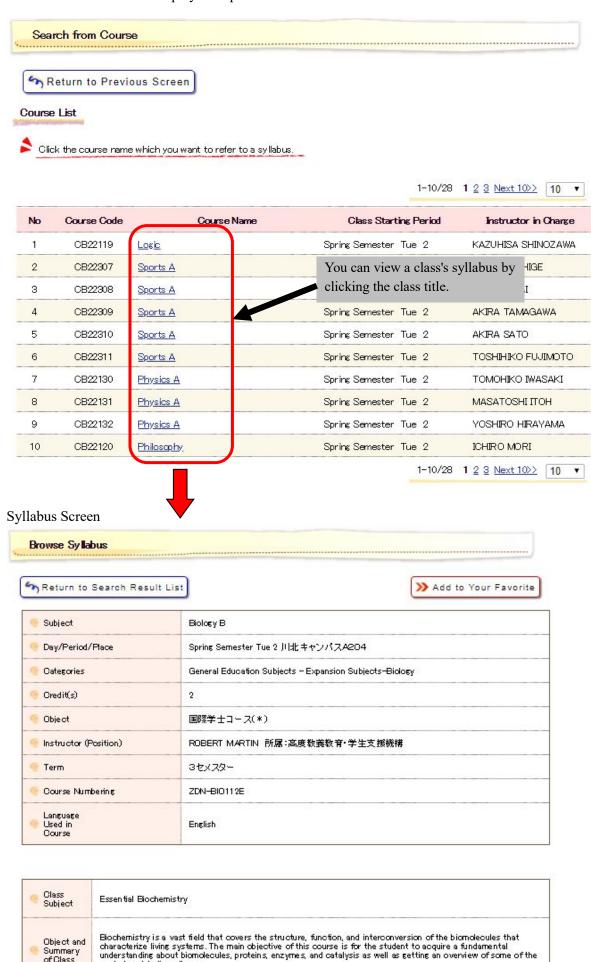


#### (1) Search by Course

When planning registration this allows you to efficiently check the timetable, search for only subjects for which you are eligible to register, and browse them by day/class time. Use "Search from Course" to do this.



A list of classes will be displayed as per the search criteria.



Object and Summary of Class

central metabolic pathways.

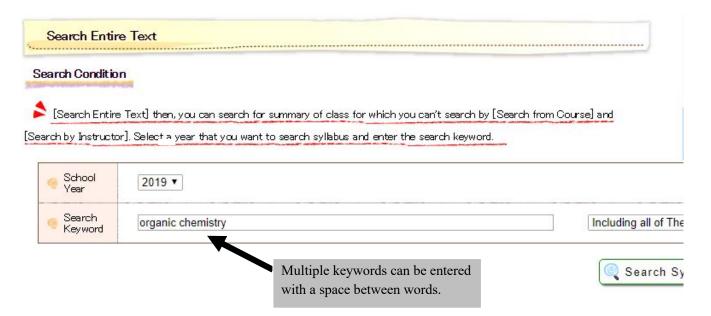
#### (2) Search by Instructor

This allows you to search by class instructor. If you know the instructor name, this search is the easiest way to view the syllabus.



#### (3) Full-Text Search

This allows you to search for words/text contained in the syllabi.



#### QuickSyllabus

QuickSyllabus is a website that allows you to quickly search syllabi without logging in. The website is only available in Japanese, but the syllabus itself is available in English if the course is conducted in English. Note that the contact information of instructors is NOT posted in QuickSyllabus.

QuickSyllabus: https://qsl.cds.tohoku.ac.jp/qsl/

# V General Education Class Information (FGL Program) 1. List of Subjects (2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> Semester Classes) (1) Core Subjects

Lecture Name	Hrs./ Wk.	Credits	Topics	Instructor	Sem ester	Day/Period	Courses	
Human Studies								
World of Fine Arts	2	2	Japanese Art History	Mitsuru HAGA	2	Thu./3rd	AMC	
							IMAC-U	
							AMB	
Social Studies								
History and Human	2	2	History of Tohoku University	Manabu NAKAGAWA	2	Wed./1st	AMC	
Society							IMAC-U	
							AMB	
Science Studies	Science Studies							
Life and Nature	2	2	Study of Nature, Life and Technology:	Yumiko WATANABE and	2	Tue./2nd	AMC	
			The organization and evolution of the	other instructors			IMAC-U	
			universe				AMB	

(2) Expansion Subjects

2) Expansion Sub Lecture Name	Hrs./	Credits	Topics	Instructor	Sem	Day/Period	Courses
Human Sciences	Wk.		20010	1110010001	ester	,	
History	2	2	History of Art in Ancient Eurasia: Diffusion of Classical Greek Art into Central Asia	Mitsuru HAGA	3	Tue./3 <sup>rd</sup>	AMC IMAC-U AMB
Social Sciences							
Sociology	2	2	Education and Sustainable Development Goals (SDGs)	Jing LIU	2	Tue./1st	AMC IMAC-U AMB
Natural Sciences/Mathe	matics						
Foundations of Calculus	2	2	Foundations of Calculus	Xavier DAHAN	2	Tue./4 <sup>th</sup>	AMB
Calculus A	2	2	Calculus of functions of one variable	Xavier DAHAN	2	Fri./2 <sup>nd</sup>	AMC IMAC-U
Calculus B	2	2	Calculus of function of two variables	Xavier DAHAN	3	Tue./4th	AMC IMAC-U
Calculus C	2	2	Calculus C. Ordinary differential equations	Xavier DAHAN	4	Tue./3rd	AMC IMAC-U
Foundations of Linear Algebra	2	2	Foundations of Linear Algebra	Marcin SCHROEDER	3	Tue./4 <sup>th</sup>	AMB
Linear Algebra A	2	2	Fundamentals of Linear Algebra	Marcin SCHROEDER	2	Tue./3 <sup>rd</sup>	AMC IMAC-U
Linear Algebra B	2	2	Basics of Linear Algebra	Marcin SCHROEDER	3	Fri./2 <sup>nd</sup>	AMC IMAC-U
Probability & Statistics	2	2	Probability and Statistics	Marcin SCHROEDER	4	Tue./1st	AMC IMAC-U AMB
Natural Sciences/Physic	S						I
Physics A	2	2	Classical Mechanics	Takeshi KOIKE	2	Fri./4 <sup>th</sup>	AMC IMAC-U
Physics A	2	2	Classical Mechanics	Takeshi KOIKE	2	Tue./3rd	AMB
Physics B	2	2	Oscillations, waves, propagation of waves in media, stress and strain, fluid dynamics	Takeshi KOIKE	3	Thu./2 <sup>nd</sup>	AMC IMAC-U AMB
Physics C	2	2	Electromagnetism	Takeshi KOIKE	3	Wed./1st	AMC IMAC-U AMB
Natural Sciences/Chemi	stry	•	•	1	•		
Chemistry A	2	2	Fundamentals of chemical bond theory	Nurbosyn ZHANPEISOV	2	Wed./2 <sup>nd</sup>	AMC IMAC-U AMB

Chemistry B	2	2	Fundamentals of Physical Chemistry	Nurbosyn ZHANPEISOV	2	Thu./4th	AMC
							IMAC-U
							AMB
Chemistry C	2	2	Fundamentals of basic organic	Nurbosyn ZHANPEISOV	3	Wed./3rd	AMC
			chemistry				IMAC-U
							AMB
Natural Sciences/Biolog	y						
Biology A	2	2	Essential Cell Biology	Yasukazu DAIGAKU	2	Mon./2nd	AMC
				other instructors			IMAC-U
							AMB
Biology B	2	2	Essential Biochemistry	TBA	3	Tue./2nd	AMC
							AMB
Biology C	2	2	Elements of Physiology and Systems	TBA	3	Wed./4th	AMC
			biology: Integrative and systems				AMB
			principles in biology				
Natural Sciences/ Earth	and Spa	ce Scie	ence				
Mineralogy, Petrology	2	2	Fundamentals of Crystal Structures of	Nurbosyn ZHANPEISOV	2	Mon.3rd	AMC
& Geochemistry			Solids				IMAC-U
							AMB
Natural Sciences/Scient	ific Exp	eriment	is				
Introductory Science	4	2	Introductory Science Experiments	Head:	4	Thu./3rd·4th	AMC
Experiments				Norihiro NAKAMURA			IMAC-U
							AMB
Integrated Sciences							
*Current Topics	2	2	Course subjects to be taught will be dete	ermined yearly.	2,3		AMC
			Use syllabus search of Student Affairs In	nformation System to check			IMAC-U
			class topics and timetable.				AMB

(3) Common Subjects

Lecture Name	Hrs./ Wk.	Credits	Topics	Instructor	Sem ester	Day/Period	Courses
Small-Group Freshmen	Semina	rs					
*Introductory Seminar Available topics are	2	2	Fundamental chemistry seminar on selected topics	Nurbosyn ZHANPEISOV	3	Intensive course	
subject to change.			Can Machines Think?	Marcin SCHROEDER	3	Intensive course	AMC IMAC-U
			Introduction to Virtual Reality (VR) and Augmented Reality (AR) with a local IT company	Takeshi KOIKE	3	Intensive course	AMB
Subjects for International	1 Stude	nts					
Basic Japanese 1	8	4	Japanese for beginners	Natsue SUGAYA, Masako HAYASHI, Atsuko UCHIYAMA	2	Mon./4 <sup>th</sup> Tue./5 <sup>th</sup> Thu./2 <sup>nd</sup> Fri./3 <sup>rd</sup>	AMC IMAC-U AMB
Basic Japanese 2	6	3	Japanese for advanced beginners	Natsue SUGAYA, Masako HAYASHI	3	Tue./1 <sup>st</sup> Wed./2 <sup>nd</sup> Thu./5 <sup>th</sup>	AMC IMAC-U AMB
Intermediate Japanese	6	3	Intermediate Japanese	Atsuko UCHIYAMA, Yukari AZUMI	4	Tue./2 <sup>nd,</sup> Wed./1 <sup>st</sup> , 2 <sup>nd</sup>	AMC IMAC-U AMB
Information Sciences							
An Introduction to Information Science B	2	2	Information Fundamentals B	Xavier DAHAN	2	Mon./1 <sup>st</sup>	AMC IMAC-U AMB

Health Sciences							
Sports A	2	2 1	Kyudo (Japanese Archery) Tennis Softball	Akira SATO Hideki MOMMA Toshihiko FUJIMOTO	3	Tue./2 <sup>nd</sup>	IMAC-U
			Badminton Soccer	Akira TAMAGAWA Ryoichi NAGATOMI	4	Fri./3 <sup>rd</sup>	AMC
			*Available sports are subject to change.			Tue./3 <sup>rd</sup>	AMB
Health	2	2	Health Science	Ryoichi NAGATOMI	4	TBA	AMC IMAC-U
							AMB

Syllabuses for 3rd and 4th semester classes will be announced in March 2022.

#### Cooperative Innovation Program in Science, Engineering, and Agriculture for Leading Sustainable and Diverse Industry and Society by Digital Globalization

The FGL program has been selected by MEXT for a new program aimed at governmentsponsored students. As a result starting in FY 2021, FGL will be able to accept 8 governmentsponsored students each year for three years. The objective of this program is to create an educational system based on cooperation between three undergraduate schools that will foster leaders in the field of global sustainable and diverse industry and society while driving innovation in university education.

Those who enter FGL as government-sponsored students will also belong to this new program. Therefore, in addition to the curricula of their undergraduate schools, the government-sponsored students will have to fulfill the requirements of this program as well. The program requirements (i.e. requirements for receiving government sponsorship) consist of nine or ten credits in the below six subjects. For details of each subject, please see the syllabus. (From 1. to 3. below are General Education subjects. In the above table, they are indicated by an asterisk (\*) to the right of the subject names.)

- Fundamentals of Interdisciplinary STEM seminar [2 credits] General Education Subjects
   Introductory Seminar (Interdisciplinary Seminar) [2 credits] General Education Subjects
- 3. Life and Nature (Study of Nature, Life and Technology) [2 credits] General Education Subjects
- 4. Science, Technology and Industry in Japan [1 credit] Specialized Subjects
- 5. Multidisciplinary Internship [1 credit] Specialized Subjects
  6. Digital Entrepreneurship Seminar [1 or 2 credits] Details TBA

#### 2. Timetable

ATTN: When you register for courses, be sure to select the English courses for FGL students that match instructor names below.

	d Semester (October 2 MC Course	021 - March 2022)	General	Education Subjects	Specialized Subjects
	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50
Mon.	情報基礎 B An Introduction to Information Science B Xavier DAHAN M101	生命科学 A Biology A Yasukazu DAIGAKU and other instructors C306	地球物質科学 Mineralogy, Petrology & Geochemistry Nurbosyn ZHANPEISOV R115	Basic Japanese 1 Atsuko UCHIYAMA A103	
Tue.	A106	生命と自然 Life and Nature Yumiko WATANABE and other instructors A301	線形代数学 A Linear Algebra A Marcin SCHROEDER C301		Basic Japanese 1 Masako HAYASHI A103
Wed.	歷史と人間社会 History and Human Society Manabu NAKAGAWA A303	化学 A Chemistry A Nurbosyn ZHANPEISOV R115	HR 13:30- AMC Classroom	Introduction to Basic Chemistry 14:30- AMC Course Professors Laboratory of Katahira Campus	
Thu.		Basic Japanese 1 Natsue SUGAYA A103	芸術の世界 World of Fine Arts Mitsuru HAGA C202	化学 B Chemistry B Nurbosyn ZHANPEISOV R115	
Fri.		解析学 A Calculus A Xavier DAHAN R115	Basic Japanese 1 Natsue SUGAYA A103	物理学 A Physics A Takeshi KOIKE R115	理工系学際基礎セミナー Fundamentals of Interdisciplinary STEM seminar Xavier DAHAN R115

#### **IMAC-U Course**

TIV	IAC-U Course				
	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50
Mon.	情報基礎 B An Introduction to Information Science B Xavier DAHAN M101	生命科学 A Biology A Yasukazu DAIGAKU and other instructors C306	地球物質科学 Mineralogy, Petrology & Geochemistry Nurbosyn ZHANPEISOV R115	Basic Japanese 1 Atsuko UCHIYAMA A103	
Tue.	A100	生命と自然  Life and Nature Yumiko WATANABE and other instructors  A301	線形代數学 A Linear Algebra A Marcin SCHROEDER C301		Basic Japanese 1  Masako HAYASHI  A103
Wed.	歷史と人間社会 History and Human Society Manabu NAKAGAWA A303	化学A <b>Chemistry A</b> Nurbosyn ZHANPEISOV <b>R115</b>		数学物理学演習 「 Exercises in Mathematics and Physics I Ying CHEN R115	
Thu.		Basic Japanese 1 Natsue SUGAYA A103	芸術の世界 World of Fine Arts Mitsuru HAGA C202	化学 B <b>Chemistry B</b> Nurbosyn ZHANPEISOV <b>R115</b>	
Fri.		解析学 A Calculus A Xavier DAHAN R115	Basic Japanese 1 Natsue SUGAYA A103	物理学 A Physics A Takeshi KOIKE R115	理工系学際基礎セミナー Fundamentals of Interdisciplinary STEM seminar Xavier DAHAN R115

#### **AMB Course**

7 11	VID Course					
	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50	
Mon.	情報基礎 B An Introduction to Information Science B Xavier DAHAN M101	生命科学 A Biology A Yasukazu DAIGAKU and other instructors C306	地球物質科学 Mineralogy, Petrology & Geochemistry Nurbosyn ZHANPEISOV R115	Basic Japanese 1 Atsuko UCHIYAMA A103		
Tue.	A100	生命と自然 Life and Nature Yumiko WATANABE and other instructors A301	物理学 A Physics A Takeshi KOIKE C304	解析学概要 <b>Foundations of</b> <b>Calculus</b> Xavier DAHAN <b>R115</b>	Basic Japanese 1  Masako HAYASHI  A103	
Wed.	歷史と人間社会 <b>History and Human</b> <b>Society</b> Manabu NAKAGAWA <b>A303</b>	化学 A <b>Chemistry A</b> Nurbosyn ZHANPEISOV <b>R115</b>	(Lab Tour on Aobayama Campus)			
Thu.		Basic Japanese 1 Natsue SUGAYA A103	芸術の世界 World of Fine Arts Mitsuru HAGA C202	化学 B <b>Chemistry B</b> Nurbosyn ZHANPEISOV <b>R115</b>		
Fri.		生理·生態学概論 Introduction to Physiology and Ecology Cheryl AMES C303	Basic Japanese 1 Natsue SUGAYA A103		理工系学際基礎セミナー Fundamentals of Interdisciplinary STEM seminar Xavier DAHAN R115	

**3. Syllabus (2<sup>nd</sup> Semester)** – See the additional booklet on the FGL website or log into the Student Affairs Information System.

#### VI Other

#### 1. Medical Care Required due to Accidents in Class

Students who suffer accidents during class should contact the Student Health Care Center and make arrangements to receive medical care.

#### 2. Using Educational Facilities

Some facilities on campus may be closed or offer limited service to prevent the spread of COVID-19. Please check the university websites or inquire the FGL office for the latest information.

(1) ICL Rooms	ICL Rooms at the Multimedia Education and Research Complex can be used for self-
	study any time they are not being used for classes.
(2) Lounge	There is a lounge in Building B on the 1st floor. You may use it for taking online
	classes or resting in the time between classes etc.
(3) Study Room	The Study Room is in Building B on the 2nd floor. It is open from 8:30 to 18:00.
	Please refrain from making noise in the Study Room. On each desk, there is an outlet
	that you can use to charge your laptop.
(4) SLA Lounge	There is a SLA (Student Learning Adviser) desk, where students can go for consulting
	near the entrance hall on the 1st floor of the Multimedia Education and Research
	Complex. Older students will answer questions and provide advice on various subjects.
	Please see the Center for Learning Support bulletin board for details.

#### 3. Counseling Services

Students requiring counseling from someone other than their class instructors or department staff should contact the below counseling services. The details of counseling will be kept strictly confidential. (No Charge)

(1) Center for	•Center for Counseling and disability Services provides consulting regarding problems
Counseling and	that arise during student life. Appropriate solutions will be discussed with the
Disability Services	student.
	• Location: Kawauchi Kita Campus, Tel: 795-7833
	• Hours: Mon Fri. 9:30 - 17:00
(2) Student Health	•The goal of the Student Health Care Center is to maintain and improve student health.
Care Center	Students who have questions, concerns or anxiety about their physical or
	psychological health should make use of this facility. The first aid offices at Katahira,
	Schools of Medicine/Dentistry, School of Engineering, and Faculty of Agriculture
	also provide medical consulting and care.
	Location: Kawauchi Kita Campus, Tel: 795-7829
	• Hours: Weekdays 9:00 - 11:30, 13:00 - 16:15
(3) University-wide	Location: Kawauchi Kita Campus University Counseling Center, Tel: 022-795-7812
Harassment	• Hours: Mon Fri., 9:30 - 17:00
Counseling Center	
(4) Counseling by	Counseling regarding sexual harassment, health, mental health
Phone (Provided	• Toll-free hotline: 0120-7830-59
through off-campus	• Hours: Mon., Wed., Fri., Sat., Sun. 10:00 - 21:00
organization)	Tue., Thu. 10:00 - 22:00 (not available on national holidays, Dec. 31 – Jan. 3)

#### 4. Preventing Theft

- (1) Incidences of theft in lecture halls and gymnasiums are fairly common. Do not leave bags etc. unattended in classrooms or study rooms, even for short periods of time. In the event of theft, report the incident to your Student Affairs Division or Student Services Division.
- (2) There are numerous incidences of bicycle theft on Kawauchi Campus. When parking bicycles, lock them securely and do not leave them unattended for long periods of time.

#### • Regulations on Tohoku University General Education Subjects

April 1, 1993 Reg. 91

(Purport)

Article 1: These regulations specify items necessary to General Education Subjects and subjects related to education (does not include those established by the faculties; hereafter "General Education Subjects") in compliance with Article 26-2 of the Tohoku University Faculty Regulations (enacted December 18, 1952; hereafter "the Regulations").

(General Education Subjects)

Article 2: Categories of General Education Subjects are as follows.

Category	Group				
Core Subjects	Human Studies, Social Studies, Science Studies				
	Human Sciences, Social Sc	iences			
Expansion Subjects	Natural Sciences	Mathematics, Physics, Chemistry, Biology, Earth and Space Science, Scientific Experiments			
Subjects	Integrated Sciences	Integrated Subjects, Current Topics, Modern Academics, Global Education			
	Small-Group Freshmen Seminars				
Common	Foreign Languages	English, Second Languages, Other Languages			
Common Subjects	Information Sciences				
	Health Sciences				
	Subjects for International Students				

(Course Subjects and Credits)

Article 3: Course subjects for General Education subjects and credits are as shown in Tables 1 and 2.

(Calculation of Credits)

Article 4: Calculation of credits for General Education course subjects are as follows.

I 1 (one) credit will be awarded per 15 hours of class time.

II 1 (one) credit will be awarded per 15 to 30 hours of seminar.

III 1 (one) credit will be awarded per 30 to 45 hours of experiments, laboratory work, and practical training. (Registration Procedures)

Article 5: Students must inform the Chairperson of the Academic Affairs Council (hereafter, "the Chairperson") of the subjects for which they intend to register by the designated date.

(Examinations)

Article 6: Accreditation for course subjects for which students register will depend on examinations; those who pass their examinations shall receive the designated number of credits.

- 2 Regardless of the previous item, performance in classes consisting of experiments, laboratory work and practical training shall be graded based on daily performance instead of examinations.
- 3 For course subjects in which examinations can be given, the above article only applies to those who have enrolled in the class via the designated procedures.

(Makeup Examinations and Retesting)

Article 7: If, due to unavoidable circumstances, a student is unable to take a course subject's examination, a makeup test for that subject shall be conducted.

3. There will be no retesting for students who failed a course subject's examination.

(Grading Scale)

Article 8: Examination performance shall be evaluated as per the below scale. However, depending on the course subject, the grade may be specified as just "Pass" or "Fail."

AA The student's performance was particularly exceptional.

- A The student's performance was excellent.
- B The student's performance was above average.
- C The student passed.
- D The student failed.
- 2. Of the above grades, AA, A, B, and C are passing grades, while D is a failing grade.
- 3. Students who fail to attend a class for which they have submitted registration as per Article 5 above, shall receive a D grade on that class's examinations.

(Special Auditing Students)

Article 9: Students of other universities, junior colleges, or technical colleges who wish to enroll in General Education subjects may be permitted to enroll as Special Auditing Students, pursuant to agreements with that other university, junior college, or technical college.

(Miscellaneous Provisions)

Article 10: Any items necessary for General Education subjects, other than those specified in these regulations, will be specified by the Academic Affairs Council.

Supplementary Regulations Omitted

**Table 1: General Education Subjects** 

Category		Group	Subject	Total class hours	Credits	Comments
Core	Human Stu	idies	World of Thoughts and Ethics	30	2	
Subjects			World of Literature	30	2	
			World of Expression	30	2	
			World of Fine Arts	30	2	
			People and Culture	30	2	
	Social Stud	lies	History and Human Society	30	2	
			Economy and Society	30	2	
			Law, Politics and Society	30	2	
			Study of Society	30	2	
			Gender and Human Society	30	2	
	Science Stu	udies	Study of Nature	30	2	
			Scientific, Technology, and Energy	30	2	
			Life and Nature	30	2	
			Nature and the Environment	30	2	
			Science and Information	30	2	
Zyrmamaiam	Human Sci	i am a a a				
Expansion Subjects	numan Sci	tences	Logic	30	2	
aujecis			Philosophy	30	2	
			Literature	30	2	
			Religion	30	2	
			Education	30	2	
			History	30	2	
			Linguistics	30	2	
	Social Sciences		Sociology	30	2	
			Psychology	30	2	
			Law	30	2	
			Japanese Constitutional Law	30	2	
			Politics	30	2	
			Economics	30	2	
			Cultural Anthropology	30	2	
			Human Geography	30	2	
	Natural Mathematics		Foundations of Mathematics A	30	2	
	Sciences		Foundations of Mathematics B	30	2	
			Foundations of Mathematics C	30	2	
			Foundations of Calculus	30	2	
			Calculus A	30	2	
			Calculus B	30	2	
			Calculus C			
				30	2	
			Calculus D	30	2	
			Foundations of Linear Algebra	30	2	
			Linear Algebra A	30	2	
			Linear Algebra B	30	2	
			Probability & Statistics	30	2	
		Physics	Foundations of Physics	30	2	
			Physics A	30	2	
			Physics B-1	15	1	
			Physics B-2	15	1	
			Physics C	30	2	
			Physics D	30	2	
		Chemistry	Foundations of Chemistry	30	2	
			Chemistry A	30	2	
			Chemistry B	30	2	
			Chemistry C	30	2	

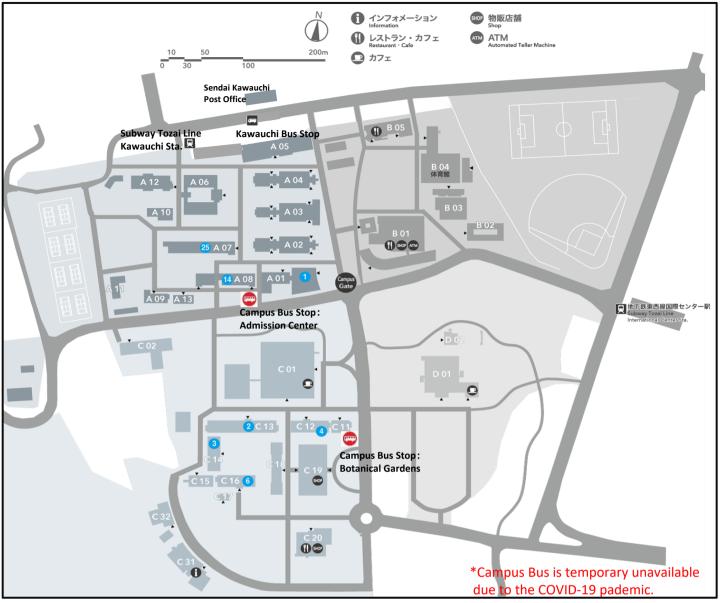
Category		Group	Subject	Total class hours	Credits	Comments
Expansion	Natural	Biology	Foundations of Biology	30	2	
Subjects	Sciences		Biology A	30	2	
			Biology B	30	2	
			Biology C	30	2	
		Earth and Space	Elementary Environmental Earth Science	30	2	
		Science	Elementary Astronomy	30	2	
			Earth System Science	30	2	
			Mineralogy, Petrology & Geochemistry	30	2	
			Physical Geography	30	2	
			Astronomy	30	2	
			Geophysics	30	2	
		Scientific	Introductory Science Experiments-1	30	1	
		Experiments	Introductory Science Experiments-2	30	1	
			Introductory Science Experiments for Humanities-1	30	1	
			Introductory Science Experiments for Humanities-2	30	1	
	Integrated	Integrated Subjects	Emperation for Transmission	30	2	Course subjects to be taught
	Sciences	Current Topics		30	2	will be determined yearly.
		Modern Academics	Modern Scholarship	30	2	
		Global Education	Seminar on Global Knowledge	30	2	
		Global Education	Global Studies	30	2	
			Japanese Society and Culture A	30	2	
			Japanese Society and Culture B	30	2	
			Intercultural Understanding	30	2	
			Global Communication	30	2	
			Problem / Project-Based Learning Seminar A	30	2	
			Problem / Project-Based Learning Seminar B	30	2	
			Global Career A	30	2	
			Global Career B		2	
				30		
			Study-abroad (Basic 1)	15~30	1	
			Study-abroad (Basic 2)	30~60	2	
			Study-abroad (Advance 1)	15~30	1	
C	C 11 C	F 1 C :	Study-abroad (Advance 2)	30~60	2	
Common Subjects			Introductory Seminar	30	2	
Subjects	Foreign Languages	English	English A1	30	1	
	Languages		English A1-1	15	0.5	
			English A1-2	15	0.5	
			English A2	30	1	
			English A2-1	15	0.5	
			English A2-2	15	0.5	
			English B1	30	1	
			English B1-1	15	0.5	
			English B1-2	15	0.5	
			English B2	30	1	
			English B2-1	15	0.5	
			English B2-2	15	0.5	
			English C1	30	1	
			English C1-1	15	0.5	
			English C1-2	15	0.5	
			English C2	30	1	
			English C2-1	15	0.5	
			English C2-2	15	0.5	

Category		Group	Subject	Total class hours	Credits	Comments
Common	Foreign	Second Languages	Introduction to German I-1	30	1	
Subjects	Languages		Introduction to German I-2	30	1	
			Introduction to German II-1	30	1	
			Introduction to German II-2	30	1	
			German in Practice I-1	15	1	
			German in Practice I-2	15	1	
			German in Practice II-1	15	1	
			German in Practice II-2	15	1	
			Introduction to French I-1	30	1	
			Introduction to French I-2	30	1	
			Introduction to French II-1	30	1	
			Introduction to French II-2	30	1	
			French in Practice I-1	15	1	
			French in Practice I-2	15	1	
			French in Practice II-1	15	1	
			French in Practice II-2	15	1	
			French in Practice III-1	15	1	
			French in Practice III-2	15	1	
			French in Practice IV-1	15	1	
			French in Practice IV-2	15	1	
			Introduction to Russian I-1	30	1	
			Introduction to Russian I-2	30	1	
			Introduction to Russian II-1	30	1	
			Introduction to Russian II-2	30	1	
			Russian in Practice I-1	15	1	
			Russian in Practice I-2	15	1	
			Russian in Practice II-1	15	1	
			Russian in Practice II-1 Russian in Practice II-2	15	1	
			Russian in Practice III-1	15	1	
			Russian in Practice III-1 Russian in Practice III-2			
			Russian in Practice III-2 Russian in Practice IV-1	15	1	
				15	1	
			Russian in Practice IV-2	15	1	
			Introduction to Spanish I-1	30	1	
			Introduction to Spanish I-2	30	1	
			Introduction to Spanish II-1	30	1	
			Introduction to Spanish II-2	30	1	
			Spanish in Practice I-1	15	1	
			Spanish in Practice I-2	15	1	
			Spanish in Practice II-1	15	1	
			Spanish in Practice II-2	15	1	
			Personalized Intermediate Spanish I-1	15	1	
			Personalized Intermediate Spanish I-2	15	1	
			Personalized Intermediate Spanish II-1	15	1	
			Personalized Intermediate Spanish II-2	15	1	
			Introduction to Chinese I-1	30	1	
			Introduction to Chinese I-2	30	1	
			Introduction to Chinese II-1	30	1	
			Introduction to Chinese II-2	30	1	
			Chinese in Practice I-1	15	1	
			Chinese in Practice I-2	15	1	
			Chinese in Practice II-1	15	1	
			Chinese in Practice II-2	15	1	
			Chinese in Practice III-1	15	1	
			Chinese in Practice III-2	15	1	
			Chinese in Practice IV-1	15	1	

Category		Group	Subject	Total class hours	Credits	Comments
Common	Foreign	Second Languages	Chinese in Practice IV-2	15	1	
Subjects	Languages		Introduction to Korean I-1	30	1	
			Introduction to Korean I-2	30	1	
			Introduction to Korean II-1	30	1	
			Introduction to Korean II-2	30	1	
			Korean in Practice I-1	15	1	
			Korean in Practice I-2	15	1	
			Korean in Practice II-1	15	1	
			Korean in Practice II-2	15	1	
			Korean in Practice III-1	15	1	
			Korean in Practice III-2	15	1	
			Korean in Practice IV-1	15	1	
			Korean in Practice IV-2	15	1	
		Other				
		Languages	Greek I	30	2	
		Languages	Greek II	30	2	
			Sanskrit I	30	2	
			Sanskrit II	30	2	
			Latin I	30	2	
			Latin II	30	2	
			Mongolian I	30	2	
			Mongolian II	30	2	
			Italian I	30	2	
			Italian II	30	2	
			Czech I	30	2	
			Czech II	30	2	
			Arabic I	30	2	
			Arabic II	30	2	
	Information Sciences	Sciences	An Introduction to Information Sciences A	15	1	
			An Introduction to Information Sciences A-2	15	1	
			An Introduction to Information Sciences B	30	2	
	Health Scien	nces	Sports A	30	1	
			Sports B	30	1	
			Health	30	2	
	Subjects for	International	Japanese A-1	15	0.5	These subjects are for
	Students	111001111111111111111111111111111111111	Japanese A-2	15	0.5	international students.
			Japanese B-1	15	0.5	
			Japanese B-2	15	0.5	
			Japanese C-1	15	0.5	-
			Japanese C-1 Japanese C-2	15	0.5	
			Japanese D-1	15	0.5	
			Japanese D-2	15	0.5	
			Japanese E-1	15	0.5	
			Japanese E-2	15	0.5	
			Japanese F-1	15	0.5	
			Japanese F-2	15	0.5	
			Japanese G-1	15	0.5	
			Japanese G-2	15	0.5	
			Japanese H-1	15	0.5	
			Japanese H-2	15	0.5	
			Japanese I-1	15	0.5	
			Japanese I-2	15	0.5	
			Japanese J-1	15	0.5	
			Japanese J-2	15	0.5	]
			Basic Japanese 1	120	4	These subjects are for the
			Basic Japanese 2	90	3	FGL Undergraduate
			Intermediate Japanese	90	3	Courses.

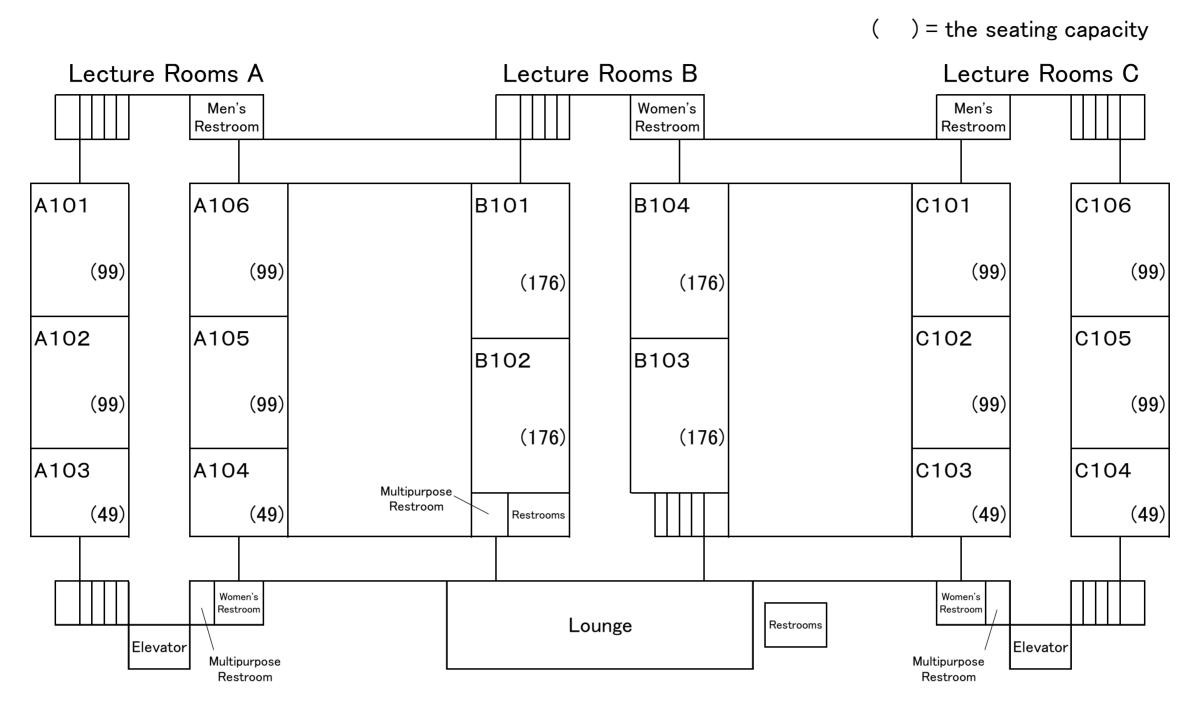
### • Kawauchi Campus Map

### (1) Campus Map

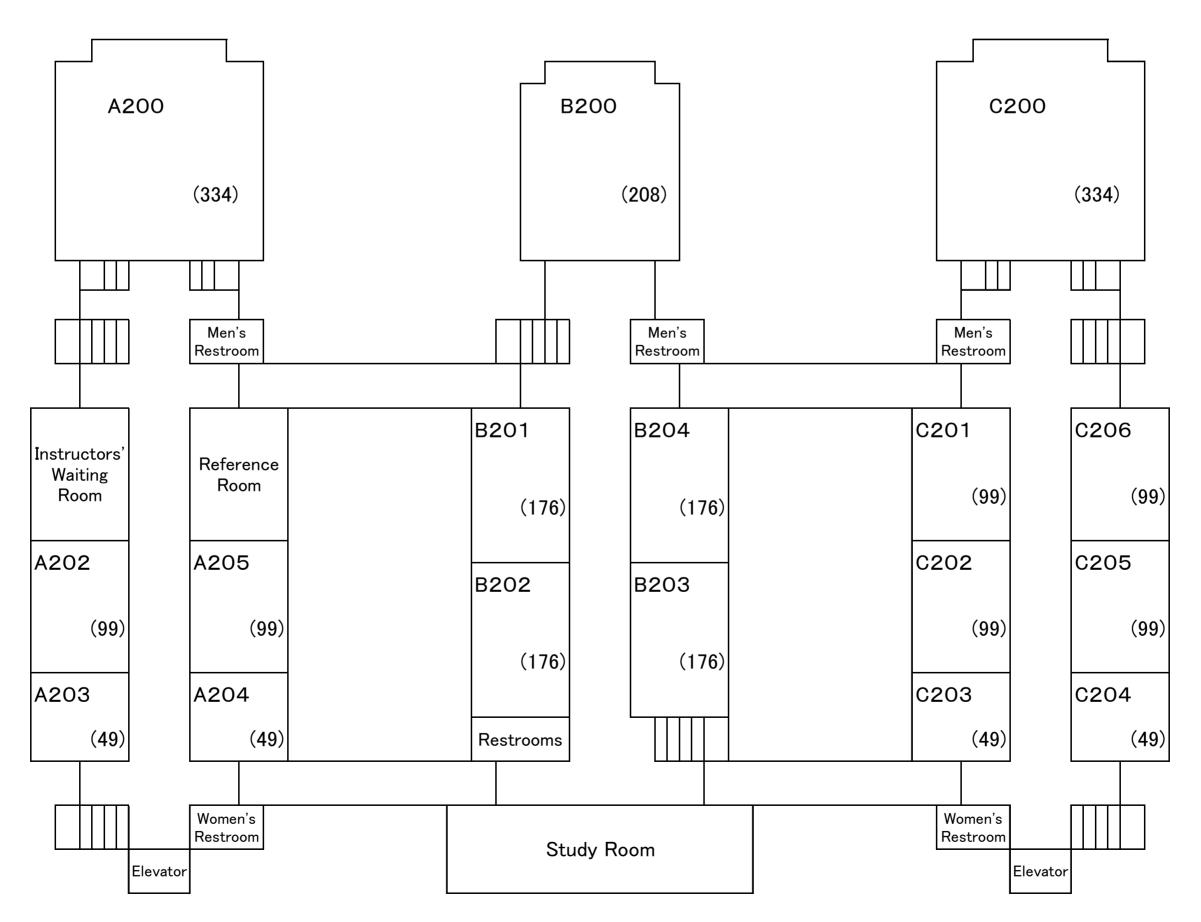


Α	01	Education and Student Support Center
Α	02	Lecture Rooms A
Α	03	Lecture Rooms B
Α	04	Lecture Rooms C
Α	05	Multimedia Education and Research Complex
Α	06	Student Laboratories
Α	07	Center for Northeast Asian Studies, Office, Kawakita Research Forum
Α	80	Graduate School of International Cultural Studies, Office
Α	09	Student Health Care Center
Α	10	Disability Services Office
Α	12	International Exchange Building
Α	13	Counseling Office
В	01	Kawauchi Welfare Facilities
В	02	Kawauchi Circle and Club Building
В	03	Kawauchi Extracurricular Activity Shared Facilities (Kawauchi Hall)
В	04	Kawauchi Gymnasium (Kawauchi Arena)
В	05	Kawauchi Sub Arena
С	01	Tohoku University Library
С	02	Admission Center
С	12	Graduate School / School of Law, Office
С	13	Graduate School / Faculty of Arts and Letters, Office
С	14	Graduate School / Faculty of Education, Office, New Humanities Building
С	16	Graduate School / Faculty of Economics and Management, Office
С	18	Lecture Rooms
С	19	Multidisciplinary Research Building, International Oasis
С	20	Welfare Facilities (Maple Park Kawauchi)
С	31	Botanical Gardens (Garden Hall)
D	01	Centennial Hall (Kawauchi Hagi Hall) 31

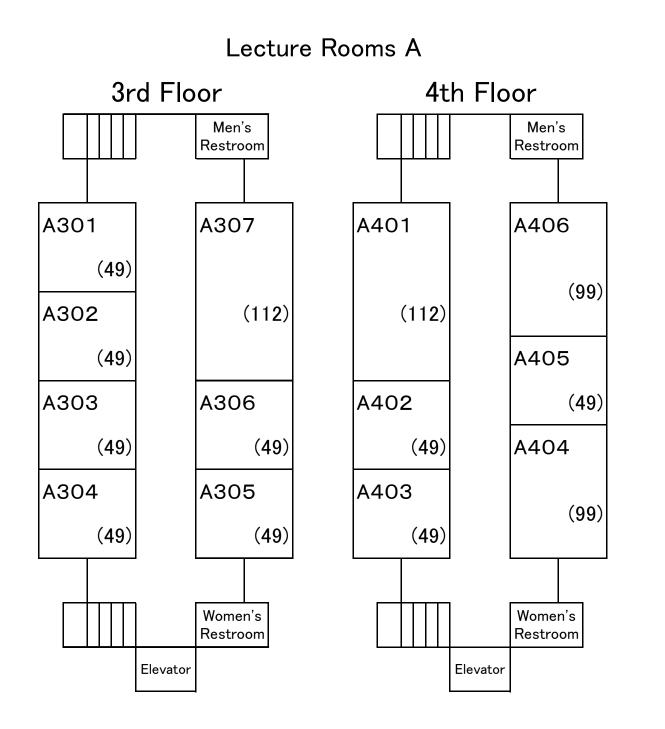
# (2) Classroom

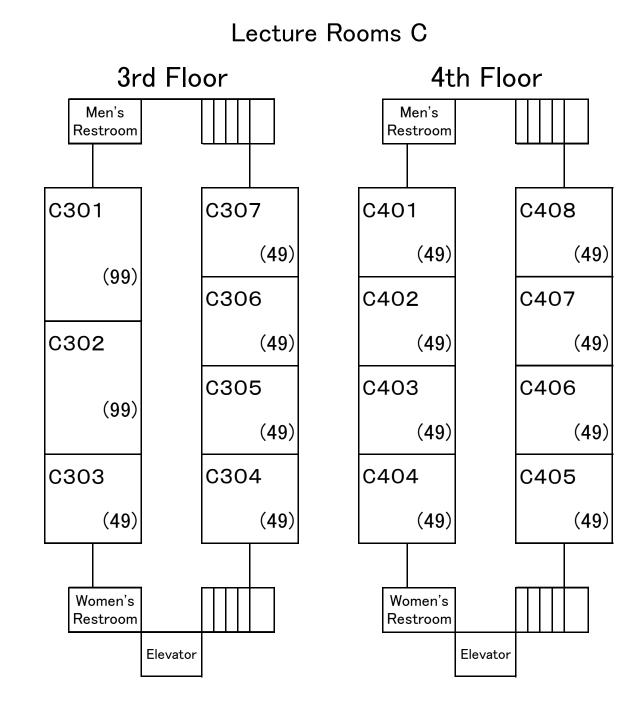


1st Floor

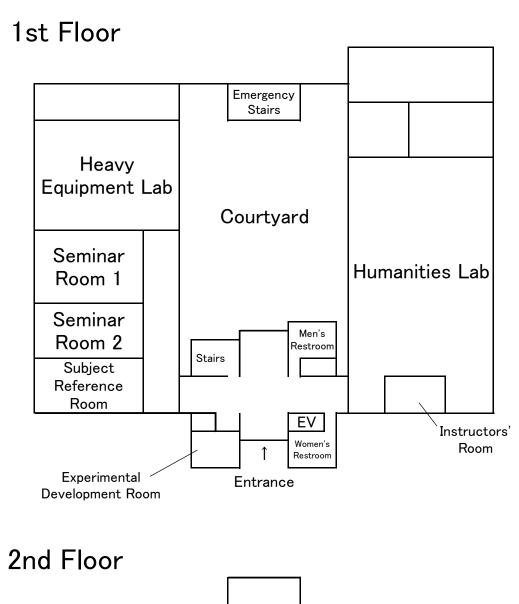


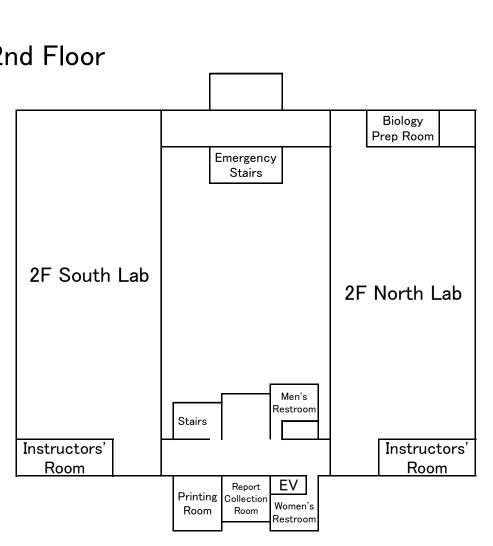
2nd Floor

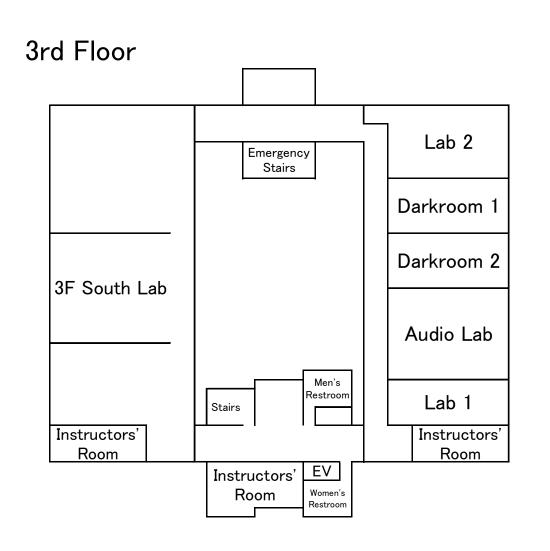




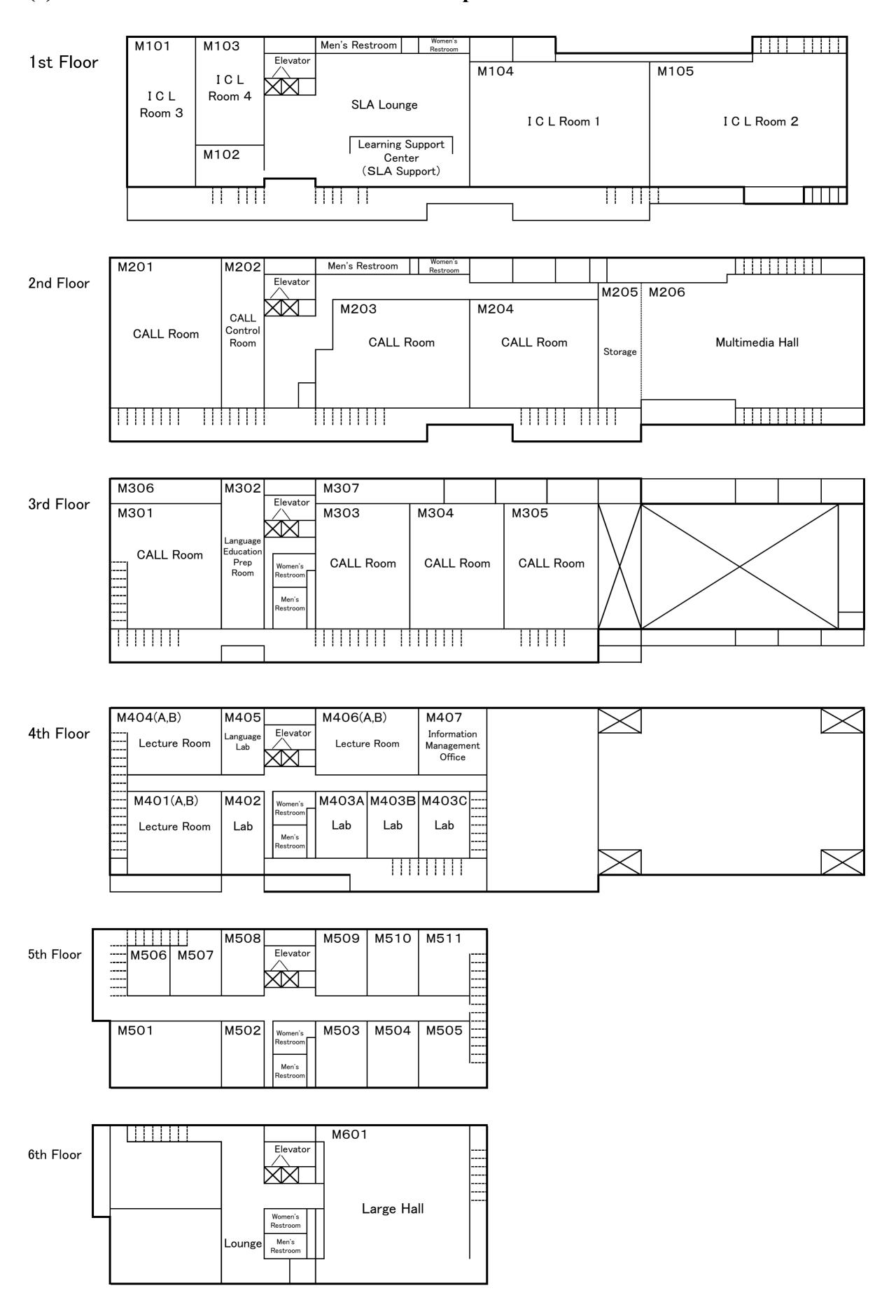
# (3) Student Laboratories



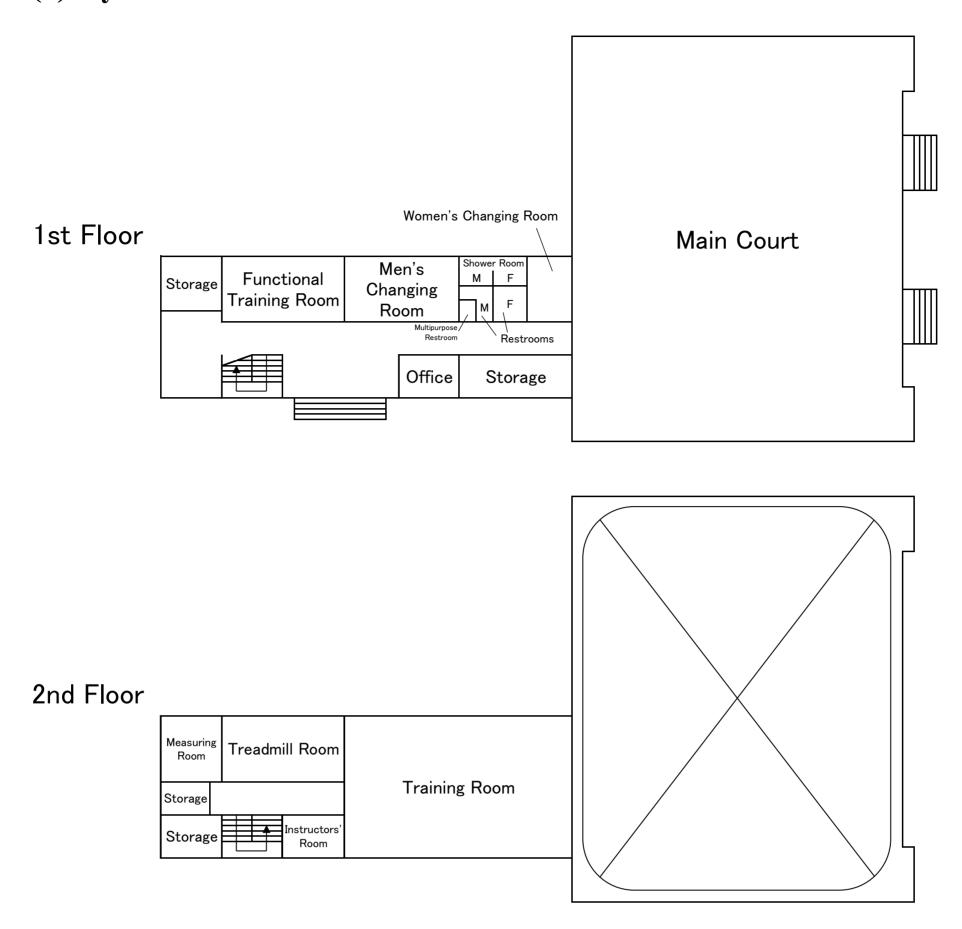




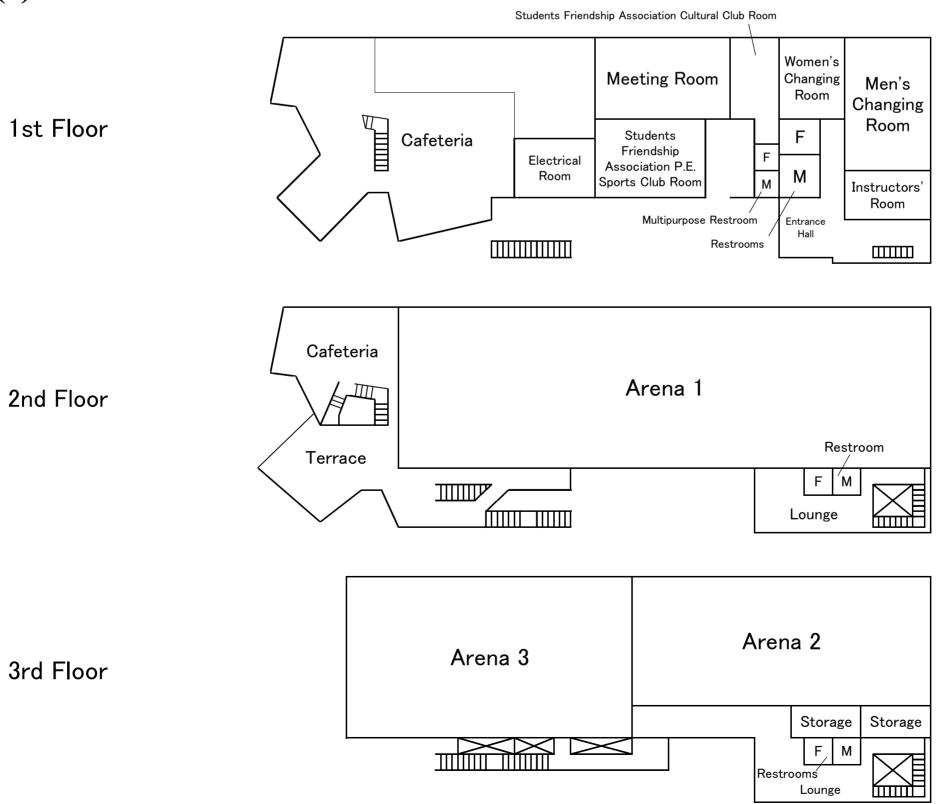
# (4) Multimedia Education and Research Complex



# (5) Gymnasium



# (6) Sub Arena



### (7) Education and Student Support Center, Student Services [A01]

insurance
Programs Section cation Planning Section
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C )
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 $<sup>3^{</sup>rd}$  floor of the West Wing: Global Learning Center

# (8) International Exchange Building [A12]

The offices of professors' who teach General Education Subjects are located on the second floor of the International Exchange Building.

