



## October 2022 Admission FGL Program Undergraduate Courses

# **General Education Guidebook**

October 2022 Tohoku University

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## **Academic Calendar of 2022 General Education Program**

## Fall Semester

Orientation for FGL Undergraduate Courses	September 27 (Tue.) at 9:00 (A101)
Entrance Ceremony	September 29 (Thu.) at 11:00 – 11:30 (B200)
Course Orientation	AMC orientation: 10:00-10:50 (A202)
	IMAC-U orientation: 13:00-14:30 (A202)
	AMB orientation: 10:00-10:40 (A203)
Classes in 2 <sup>nd</sup> Semester	October 3 (Mon.) — February 3 (Fri.), 2023
	<3Q>Ocotober 3 (Mon.)—December 2 (Fri.), 2022
	<4Q>Novemver 28 (Mon.) — February 3 (Fri.), 2023
Class Registration by website	October 3 (Mon.)—October 14 (Fri.), 2022
Drop / Withdrawal for Class Registration	October 17 (Mon.) — October 31 (Mon.), 2022
Winter Break	December 28 (Wed.), 2022 — January 3 (Tue.), 2023
No classes due to National Center Test for University Admissions	January 13 (Fri.), 2023
Term-end Vacation	February 6 (Mon.), 2023—late March

## **Class Timetable**

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	

## 2022-2023 Academic Calendar

## **General Education Subjects**

April 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		

May 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						

June 2022									
Su	M Tu W Th F								
			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 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									

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

September 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			

October 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	29			
30	31								

November 2022									
Su	Su M Tu W Th								
		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 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			

January 2023							
Su <b>M Tu W Th F</b> 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 2023							
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					

March 2023									
Su	u <b>M Tu W Th F</b> 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				

Insentive Courses

Classes are held

No classes

Make up classes for Wednesday will be held on August 8. Make up classes for Thursday will be held on August 9 Make up classes for Friday will be held on December 27.

Apr 11	First day of Spring Semester	
Aug 9	Last day of Spring Semester	

Oct 3	First day of Fall Semester
Oct 28 - Oct 30	University Festival - no class
Dec 28 - Jan 3	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 to aid understanding in specialized majors
- 4) Basic knowledge and skills required to study more specialized areas

To fulfill its mission, General Education has a curriculum comprising four subject categories: Foundations, Advanced Subjects, Languages, and Basics of Discipline. Each category is made up of classes arranged in subject groups, which are implemented to achieve the goals below.

	• These subjects are comprised of Navigating Academia, Humanities, Social					
	Sciences, Natural Sciences, Transdisciplinary Subjects.					
	• In the Navigating Academia, the basic attitude of those involved in academic					
	research is developed through understandings of how academic research should be					
	conducted. In the Humanities, Social Sciences, and Natural Sciences, humanities					
Foundations	students focus on science courses, while science students focus on humanities					
	courses, thereby creating students who are knowledgeable in both the sciences and					
	the humanities. In the Transdisciplinary Subjects, students will not be confined to their own specialized fields, but will be exposed to a variety of fields, and will					
	develop a foundation for the ability to solve problems through collaboration with					
	people from various fields.					
Advanced Subjects	•This group is composed of subjects dealing with Contemporary Competencies, and					

	Cutting Edge Subjects.  Contemporary Competencies provide the knowledge/skills required of educated persons in the modern context, and foster the habit of taking ownership over problems that require global effort to solve. Cutting Edge Subjects stimulate awareness of what it means to study at a comprehensive research university and motivate academic research by providing contact with cutting edge scholarship, regardless of field.
Languages	• This category is composed of the Foreign Languages and Japanese groups. • It fosters language abilities and intercultural understanding necessary for modern/international/educated persons. It also aims to provide the English skills necessary for academic objectives, basic multilingual competence in the students' first and second foreign languages, and basic Japanese competence for international students.
Basics of Discipline	<ul> <li>This category is composed of the Basic Humanities, Basic Social Sciences, Basic Mathematics, Basic Physics, Basic Chemistry, Basic Biology, and Basic Earth and Space Science groups.</li> <li>It is connected to the major fields of the undergraduate departments, and provides basic knowledge/skills needed for the relevant major.</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	Spri	ng	Fall		
	3rd Semester		4th Semester		5th – 8 <sup>th</sup> /9 <sup>th</sup> Semester
2nd Semester	1st	2nd	3rd	4th	3th = 8 / 9 Semester
	Quarter	Quarter	Quarter	Quarter	

#### 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 also uses different class format such as below.

• 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**

General Education is for all students at the university. The Academic Affairs Council, which is composed of educators from every department, is responsible for planning and operating its subject categories and groups and performs overall coordination and supervision. The Institute for Excellence in Higher Education (IEHE) also provides support for its university-wide system. The IEHE was founded 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. Instructors from each department of the faculties, graduate schools, research institutes/centers, and the university hospital are responsible for General Education classes, and take part in a supportive, cooperative university-wide class-management system to provide students an educational foundation with 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.

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.

#### 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 3 (Mon.) – October 14 (Fri.)

- ① In order to take courses (receive credit), you need to complete registration. 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 Course registration will be conducted via the Student Affairs Information System website during the above period per semester.

#### Student Affairs Information System: https://www.srp.tohoku.ac.jp/

\*Operation Manual is available from the following website. https://www.srp.tohoku.ac.jp/gkms/manual/img/manual students en.pdf



- \*It requires a Tohoku University ID and password to perform Web-based registration.
- \*The server will receive heavy access on the final day of registration, so try to finish registering your classes before then.
- \*Remember that "Google Classroom" is not official class registration. Please be sure to register both. So does canceling classes.
- 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 After the deadline, it is unable to change registration. Please confirm your registration carefully in advance.
- ⑤ Please be sure to register and confirm your course registration as early as possible, as the system connection may not always be successful due to heavy access on the deadline.

## (2) Procedures for deregistering classes

Fall semester: October 17 (Mon.) – October 31 (Mon.)

- ① If you wish to "deregister" a class for which you have finalized registration, you must ask the course instructor to get approval by email and submit class cancellation form during the designated period above.
  - Use DC Mail account when you send an e-mail to the instructor as your identification.
  - \*Class cancellation form will be informed by Academic Affairs Division in advance.
- ② If you perform the required procedures, you will not be graded for that class, and your grades will show an "E" (deregistered) instead.
- 3 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 (Fail).

### (3) Confirming grades

Fall semester: will be announced on February 15 (Wed.)

- ① Please confirm your grades online using the "Grades Inquiry" screen via Student Affairs Information System. 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. Please check the General Education class syllabi to see whether your classes require a computer.

#### 6. Campus Wi-Fi

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/wifi/wifi-e.html).



#### 7. 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/istu/istu4g-e.html)



#### 8. 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 I (4 Credits)
JLPT N3 or higher	7	AA	Basic Japanese II (3 credits)
		AA	Intermediate Japanese(3 credits)
JLPT N4	7	AA	Basic Japanese I (4 Credits)
JEFT N4	/	AA	Basic Japanese II (3 credits)
JLPT N5	4	AA	Basic Japanese I (4 Credits)
EJU 220 points or higher		AA	Basic Japanese I (4 Credits)
(Not including Writing)	7	AA	Basic Japanese II (3 credits)
(Not including writing)		AA	Intermediate Japanese(3 credits)
EJU 200 points or higher	7	AA	Basic Japanese I (4 Credits)
(Not including Writing)	/	AA	Basic Japanese II (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 Japanese Language Committee of the Academic Affairs Council (hereafter, Japanese Language Committee) based on a copy of the test certificate or score sheet.
  - ii) Results of screenings by the Japanese 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 Japanese Language Committee.

Enacted on January 5, 2011 (enforced on October 1, 2011) Revised on January 31, 2022 (enforced on April 1, 2022)

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 board 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.

#### (Grading)

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
С	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
- This grading system is effective as of the subjects taught in the 2013 academic year onward.
- 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.)

(Accepting questions)

4. Students can receive an explanation of the grade evaluation from the class instructor of the class by requesting it to the Academic Affairs Division only 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 can receive an explanation at a later time, as long as it is within the one-year storage period.

#### (Complaint)

- 5. If the student is unsatisfied with the grade, the 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"), through the Academic Affairs Division only within a specified period. However, if a student is unable, for legitimate reasons, to make this request during that period, the student can file a petition at a later time, as long as it is within the one-year storage period.
- 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. (Publication of Grading)
- 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 period 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	Gr
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 × the number of credits for relevant classes) ÷ 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

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

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

#### **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, 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 Co	urse Numbo	ering Cod	e
	$\Lambda$ DC	(hymbon)	DEE	

A BC - (hyphen)	DEF	1	23	G
12	3	4	(5)	6

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

- ①Hosting Faculty/School
- ②Department/Major (for General Education etc., subject category/group)
- ③Academic 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.

		Navigating Academia	FA
		Humanities	FH
General	Foundations	Social Sciences	FS
era		Natural Sciences	FN
		Transdisciplinary Subjects	FT
luca	A dryam and Cyrhinata	Contemporary Competencies	AC
Education	Advanced Subjects	Cutting Edge Subjects	AE
п	Language	Foreign Languages	LF
	Languages	Japanese	LJ

		Basics of Humanities	DU
		Basics of Social Sciences	DO
		Basics of Mathematics	DM
	Basics of Discipline	Basics of Physics	DP
		Basics of Chemistry	DC
		Basics of Biology	DB
		Basics of Earth and Space Science	DE
	Teacher Training 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 Type/	Group/Subject		Code
Foundations	Navigating Academia	Introduction to Ac	ademic Learning, Seminar on	1
		Each Discipline fo	r Academic Learning	
		Advanced General	Education Course	2
	Humanities, Social Scien	ces, Natural Sciences		1
Transdisciplinary Integrated Experiments of Science, Hea				1
	Subjects	1 1	ealth & Sports (Lecture)	
Other than above			8	
Advanced	Contemporary Competencies (Information Information and Dat			
Subjects Science and Technology Education) Literacy			Literacy	
	Contemporary Competencies			9
	(Subjects related to study	y abroad and internsh	ips)	
	Other than above			8
Languages	Foreign Languages	English I-A, I-B, II-		1
	(English)	English III, III (e-lea		2
	Foreign Languages	Basic *** (Languag		1
	(Languages for		anguage) I, II, III, IV,	2
Multilinguality) Practical *** (Language) I, II			uage) I, II	
	Other than above			
Basics of Discipline				
Teacher Training Subje	ects			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.)

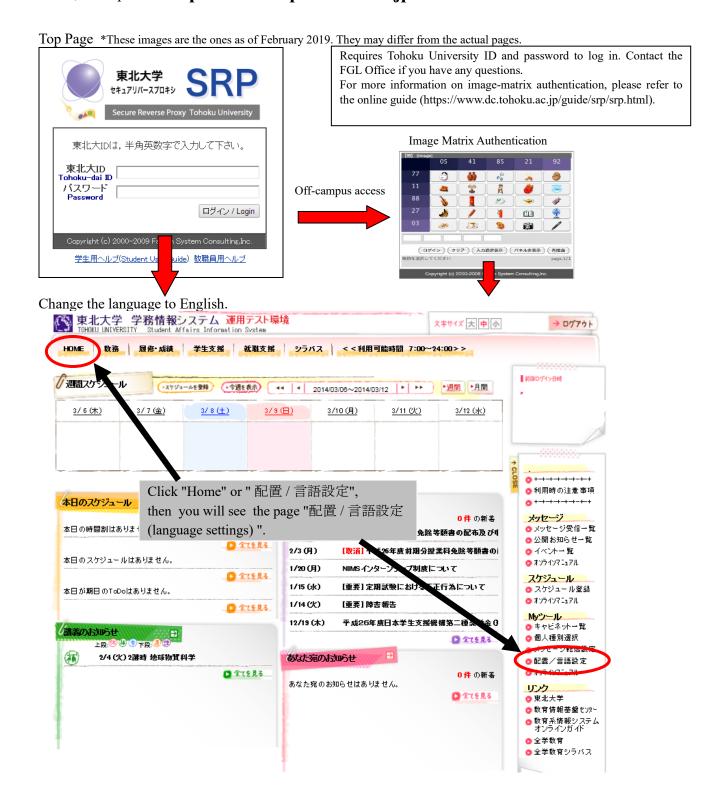
General Education Subject "Foundation of Calculus" taught by Professor XX (Japanese) ZDN-MAT104J General Education Subject "Foundation of Calculus" taught by Associate Professor YY (English) ZDN-MAT104E

## 2. Searching Syllabus Online

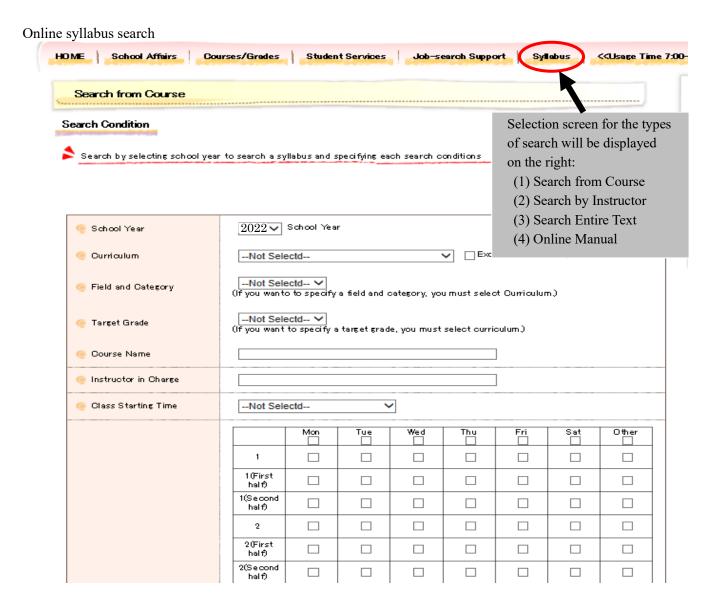
Course syllabi can be viewed in the Student Affairs Information System. It requires your Tohoku University ID and password to log into the system. While syllabi may additionally be viewed in other locations such as the university websites and the QuickSyllabus, the posting in the Student Affairs Information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

The Student Affairs Information System:

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

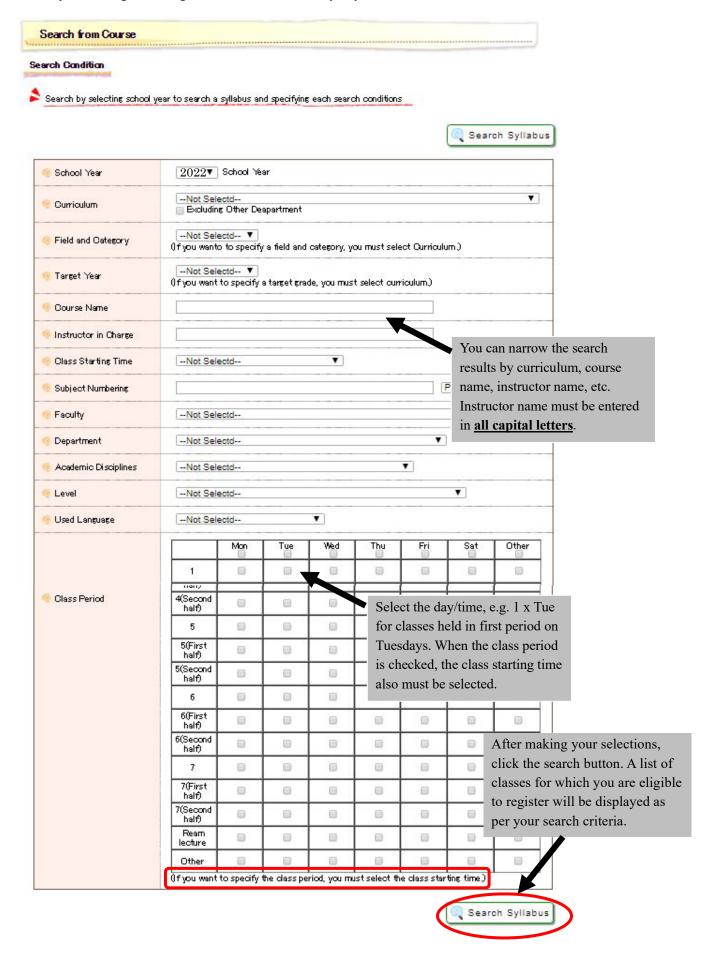






#### (1) Search by Course

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.



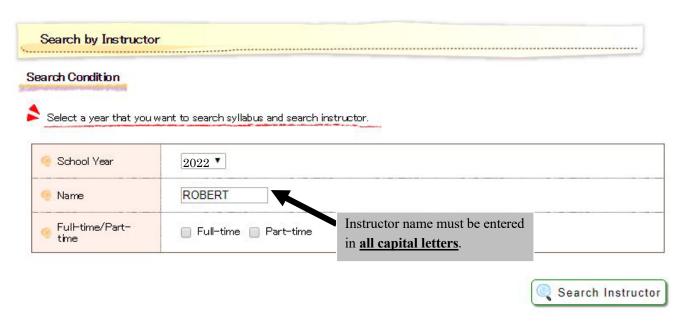
A list of classes will be displayed as per the search criteria.



central metabolic pathways.

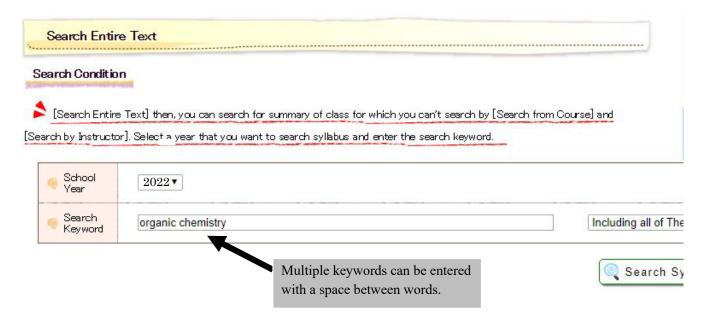
#### (2) Search by Instructor

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

# 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)

Category	Group 1	Group 2	Subject	Credits	Semester	Courses
	Navigating Academia	-	*Introduction to Academic Learning	2	2	AMC IMAC-U AMB
	Humanities	-	Sociology	2	2	AMC IMAC-U AMB
	Social Sciences	-	Economy and Society	2	2	AMC IMAC-U AMB
	Natural Sciences	Mathematics	Foundations of Linear Algebra	2	3	AMB
E 1-4:			Foundations of Calculus	2	2	AMB
Foundations		Life	Life and Nature	2	2	AMC IMAC-U AMB
	Transdisciplinary	Integrated Experiments of Science	Introductory Science Experiments	2	3	AMC IMAC-U AMB
	Subjects	Health &			3	IMAC-U
		Sports (Sports)	Sports A	1	4	AMC AMB
		Health & Sports (Lecture)	Health	2	4	AMC IMAC-U AMB
	Contemporary Competencies	Information Science and Technology Education	Information and Data Literacy	2	2	AMC IMAC-U AMB
Advanced Subjects		International Education	*Study-abroad Program A (Fundamentals of Interdisciplinary STEM Seminar)	1	2	AMC IMAC-U AMB
		Career Education	*Special Lecture of Career Education (DigitalEntrepreneurship Seminar)	2	4	AMC IMAC-U AMB
	Japanese		Basic Japanese I	4	2	AMC IMAC-U AMB
Languages		Japanese	Basic Japanese II	3	3	AMC IMAC-U AMB
			Intermediate Japanese	3	4	AMC IMAC-U AMB

Category	Group 1	Group 2	Subject	Credits	Semester	Courses
			Linear Algebra A	2	2	AMC IMAC-U
			Linear Algebra B	2	3	AMC IMAC-U
	Basics		Calculus A	2	2	AMC IMAC-U
	of Mathematics	-	Calculus B	2	3	AMC IMAC-U
			Ordinary Differential Equations	2	4	AMC IMAC-U
			Probability & Statistics	2	4	AMC IMAC-U AMB
	Basics of Physics		Physics A	2	2	AMC IMAC-U AMB
		-	Physics B	2	3	AMC IMAC-U AMB
Basics of Discipline			Physics C	2	3	AMC IMAC-U AMB
	Basics of Chemistry	-	Chemistry A	2	2	AMC IMAC-U AMB
			Chemistry B	2	2	AMC IMAC-U AMB
			Chemistry C	2	3	AMC IMAC-U AMB
	Basics of Biology	-	Biology A	2	2	AMC IMAC-U AMB
			Biology B	2	3	AMC AMB
			Biology C	2	3	AMC AMB
	Basics of Earth and Space Science	-	Earth Material Science	2	2	AMC IMAC-U AMB

<sup>\*</sup>For subjects other than those listed above, please refer to the orientation for each course.

## 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 AC Course	2022 - March 2023)	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.		物理学 A Physics A Takeshi KOIKE R115	化学 B Chemistry B Mott DERRICK R115	Basic Japanese 1 Atsuko UCHIYAMA A203	
Tue.	社会学 Sociology Jing LIU C203	生命と自然 Life and Nature Satoshi KATAYAMA C203	線形代数学 A Linear Algebra A Marcin SCHROEDER C204		Basic Japanese 1 Masako HAYASHI A203
Wed.	経済と社会 <b>Economy and Society</b> Jeremy Ryan SEPTEMBER <b>C103</b>	化学 A Chemistry A Mott DERRICK R115	HR 13:30- AMC Classroom	Introduction to Basic Chemistry 14:30- AMC Course Professors Laboratory of Katahira Campus	
Thu.	情報とデータの基礎 Information and Data Literacy Xavier DAHAN M101	Basic Japanese 1 Natsue SUGAYA C204	地球物質科学 Mineralogy, Petrology & Geochemistry Brian BREEDLOVE R115	生命科学 A Biology A Toshiharu ICHINOSE and other instructors C204	
Fri.		解析学 A <b>Calculus A</b> Xavier DAHAN <b>R115</b>	Basic Japanese 1 Natsue SUGAYA C204	学問論 Introduction of Academic Learning Yumiko Watanabe, etc. R115	

## **IMAC-U Course**

	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50
Mon.		物理学 A Physics A Takeshi KOIKE R115	化学 B Chemistry B Mott DERRICK R115	Basic Japanese 1 Atsuko UCHIYAMA A203	
Tue.	社会学 Sociology Jing LIU C203	生命と自然 <b>Life and Nature</b> Satoshi KATAYAMA <b>C203</b>	線形代数学 A Linear Algebra A Marcin SCHROEDER C204		Basic Japanese 1 Masako HAYASHI A203
Wed.	経済と社会 Economy and Society Jeremy Ryan SEPTEMBER C103	化学 A Chemistry A Mott DERRICK R115		数学物理学演習 I Exercises in Mathematics and Physics I Ying CHEN C204	
Thu.	情報とデータの基礎 <b>Information and Data</b> <b>Literacy</b> Xavier DAHAN <b>M101</b>	Basic Japanese 1 Natsue SUGAYA C204	地球物質科学 Mineralogy, Petrology & Geochemistry Brian BREEDLOVE R115	生命科学 A Biology A Toshiharu ICHINOSE and other instructors C204	
Fri.		解析学 A <b>Calculus A</b> Xavier DAHAN <b>R115</b>	Basic Japanese 1 Natsue SUGAYA C204	学問論 Introduction of Academic Learning Yumiko Watanabe, etc. R115	

#### AMB Course

1 11	ID Course				
	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50
Mon.			化学B Chemistry B Mott DERRICK R115	Basic Japanese 1 Atsuko UCHIYAMA A203	
Tue.	社会学 Sociology Jing LIU C203	生命と自然 <b>Life and Nature</b> Satoshi KATAYAMA <b>C203</b>	線形代数学 A Linear Algebra A Marcin SCHROEDER C204	解析学概論 Foundations of Calculus Xavier DAHAN R115	Basic Japanese 1  Masako HAYASHI  A203
Wed.	経済と社会 Economy and Society Jeremy Ryan SEPTEMBER C103	化学 A <b>Chemistry A</b> Mott DERRICK <b>R115</b>	(Lab 7	Four on Aobayama Cam	ipus)
Thu.	情報とデータの基礎 Information and Data Literacy Xavier DAHAN M101	Basic Japanese 1 Natsue SUGAYA C204	地球物質科学 Mineralogy, Petrology & Geochemistry Brian BREEDLOVE R115	生命科学 A Biology A Toshiharu ICHINOSE and other instructors C204	
Fri.	物理学 A Physics A Takeshi KOIKE R115	生理·生態学概論 Introduction to Physiology and Ecology Cheryl AMES A104	Basic Japanese 1 Natsue SUGAYA C204	学問論 Introduction of Academic Learning Yumiko Watanabe, etc. R115	

#### 2. Syllabus (2<sup>nd</sup> Semester)

- Available on the FGL Current Students website or Student Affairs Information System.

# 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 government-sponsored students. As a result, starting in FY 2021, FGL will be able to accept 8 government-sponsored 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.)

- 1. Study Abroad Program A [1 credit] General Education Subjects
- 2. Introduction to Academic Learning [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 [2 credits] General Education Subjects

### 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 website 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)

contact the below cour	isening 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				
Foundations	ions Navigating Academia, Humanities, Social Sciences				
	Natural Sciences	Mathematics, Physics, Chemistry, Biology, Earth and Space Science			
	Transdisciplinary	ciety, Energy, Life, Environment, Information,			
	Subjects	Integrated Experiments of Science,			
		Health & Sports (Sports), Health & Sports (Lecture)			
Advanced	Contemporary	Information Science and Technology Education, International Education,			
Subjects	Competencies	Career Education, Global Issues			
	Cutting Edge Subjects	Current Topics, Frontier Topics			
Languages	Foreign Languages	English, Languages for Multilinguality, Languages for Further			
		Multilinguality			
	Japanese				
Basics	Basics of Humanities, Basics of Social Sciences, Basics of Mathematics, Basics				
of Discipline	Physics, Basics of Chemistry, Basics of Biology, Basics of Earth and Space Science				

(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		on Subjects Froup	Subject	Total class hours	Credits	Comments
			Introduction to Academic Learning	30	2	
	Navigating Academia		Seminar on Each Discipline for Academic Learning	30	1	
			Advanced General Education Course	15~30	1	
			Logic	30	2	
			Philosophy	30	2	
			Ethics	30	2	
			Literature	30	2	
			Religious Studies	30	2	
			Fine Art	30	2	
	Humanities	1	Education	30		
			History	30		
			Linguistics and Japanese Language Sciences	30	2	
			Psychology	30	2	
			Cultural Anthropology	30	2	
			Sociology	30	2	
			Economy and Society	30	2	
			Japanese Constitutional Law	30		
			Law	30		
	Social Sciences		Politics	30	2	
				30		
			Politics and Economics in the Information Society		2	
			Law, Politics and Society	30		
			Introduction to Linear Algebra	30	2	
oundations	Natural	Mathematics	Foundations of Linear Algebra	30		
oundations			Introduction to Calculus	30	2	
			Foundations of Calculus	30	2	
			Introduction to Statistics	30	2	
			Foundations of Probability & Statistics	30	2	
			Introduction to Physics	30	2	
	Sciences	Thybios	Foundations of Physics I	30	2	
			Foundations of Physics II	30	2	
		Chemistry	Introduction to Chemistry	30	2	
		Biology	Introduction to Biology	30	2	
		Earth and	Introduction to Astronomy	30	2	
		Space	Introduction to Environmental Earth Science	30	2	
		Science	Introduction to Geography	30	2	
		Society	Inclusive Society	30	2	
		Energy	Energy, Resources and Sustainability	30	2	
		Life	Life and Nature	30	2	
		Environment	Nature and Environment	30	2	
	Tue 1'	IC	Information Science and Technology in Human Life and Society	30	2	
	plinary Subjects	Integrated Experiments of Science Health & Sports (Sports)	Introduction to Area Studies on Northeast Asia	30	2	
			Introductory Science Experiments	60	2	
			Introductory Science Experiments for the Humanities	60	2	
			Sports A	30	1	
				30	1	
		Health & Sports	Health	30	2	
		(Lecture)	Sports and Health Sciences	30	2	

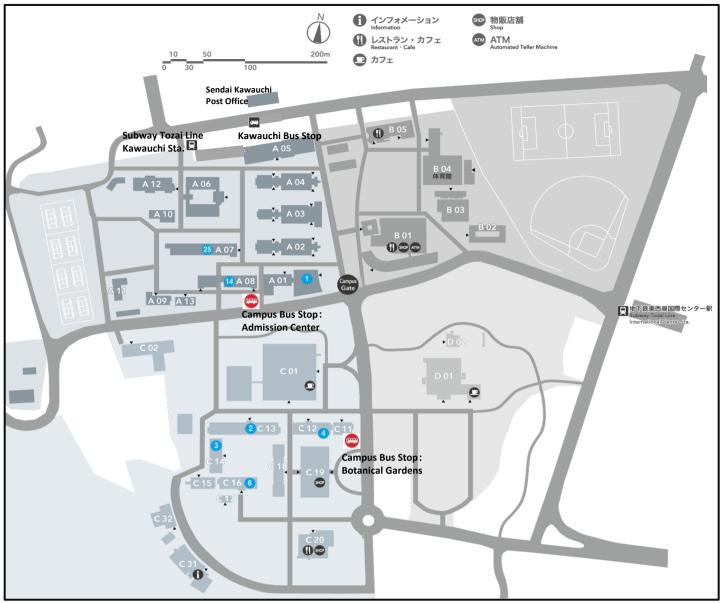
Category	G	Group	Subject	Total class hours	Credits	Comments
		Information Science and	Information and Data Literacy	30	2	
			Introduction to Data Science and Artificial Intelligence	30	2	
			Introduction to Algorithms for Machine Learning	30	2	
		Technology	Hands-on Machine Learning I	30	2	
		Education	Hands-on Machine Learning II	30	2	
			Special Lecture of Information Science and Technology	30	2	Course subjects to be taught will
			Education Understanding International Issues	30	2	be determined yearly.
			PBL in Global Issues	30	2	
			Special Topics on Global Issues	30	2	
			Understanding Culture	30	2	
			Exploring Culture and Society	30	2	
			Multicultural Communication	30	2	
			PBL in Multicultural Environment	30	2	
			Special Topics on Multicultural Society	30	2	
			Global Seminar	30	2	
				30		
			Global Career		2	
		International	Global Leadership Development through PBL	30	2	
		Education	Special Topics on Global Leadership	$\frac{30}{15\sim30}$	2	
				$30\sim60$	2	
			Study-abroad Semester	60~90	3	
	Contomno		Study-abroad Schiester	$90 \sim 120$ $120 \sim 150$		
	Contempo rary Competen cies			$120^{2} = 130$ $150 \sim 180$		
			Study-abroad Program A	45	1	
Advanced			Study-abroad Program B	90	2	
Subjects			Faculty-led Program A	45	1	
			Faculty-led Program B	90	2	
			International Exploration A	45	1	
			International Exploration B	90	2	
			Introduction to Entrepreneurial Skills	30	2	
			Introduction to Social Entrepreneurs and Non-Profit	30	2	
			Organizations			
			Career Design A	30	2	
			Career Design B Career Design C	30	2	
		Career Education	Career Design D	30	2	
			Internship Preparation Course	15	1	
			Internship Practice Course A	15	1	
			Internship Practice Course B	30	2	
			Transferable Skills Workshop	30	2	
			Special Lecture of Career Education	30	2	Course subjects to be taught will
			Sustainability and Social Co-Creation	30	2	be determined yearly.
			Global Governance and Sustainable Development in SDGs	30	2	
			Resilient Design for the Sustainable Society	30	2	
		Global Issues	Sustainable Development For Society	30	2	
			System Design Towards a Sustainable Society	30	2	
			Gender Co-Creation Society	30	2	
			, in the second	7.5	0.5	
	Edge	Topics		15~30		Course subjects to be taught will
		Frontier		30~60		be determined yearly.
	J	Topics		30	2	

				hours		Comments
			English I-A	30		
		English	English I-B	30		
			English II-A	30		
		8	English II-B	30		
			English III	30		
			English III (e-learning) Basic German I	30 60		1
			Basic German II	60		
			Intermediate German I	30		1
			Intermediate German II	30	2	
			Intermediate German III	30	2	
			Intermediate German IV	30		
			Basic French I	60		
			Basic French II	60		
			Intermediate French I	30		
			Intermediate French II	30		
			Intermediate French III	30		
			Intermediate French IV	30		
			Practical French I Practical French II	30		
			Basic Russian I	30 60		
			Basic Russian I Basic Russian II	60		
			Intermediate Russian I	30		1
			Intermediate Russian II	30		1
]		Foreign	Intermediate Russian III	30		1
]		Languages	Intermediate Russian IV	30		1
]		5 6-2	Basic Spanish I	60		1
			Basic Spanish II	60		
]	Foreign		Intermediate Spanish I	30	2	
]	Languages		Intermediate Spanish II	30		
			Practical Spanish I	30		
			Practical Spanish II	30		
			Basic Chinese I	60		0
			Basic Chinese II	60		
I amayaaaa			Intermediate Chinese I	30		
Languages			Intermediate Chinese II Intermediate Chinese III	30		
			Intermediate Chinese IV	30		
			Basic Korean I	60		
			Basic Korean II	60		
			Intermediate Korean I	30		
			Intermediate Korean II	30	2	
			Intermediate Korean III	30	2	
			Intermediate Korean IV	30		<u>-</u>
			Greek I	30		
			Greek II	30		
			Sanskrit I	30		
			Sanskrit II	30		
			Latin I Latin II	30 30	2	-
		Other	Mongolian I	30		1
		Languages	Mongolian II	30	2	1
			Italian I	30		
			Italian II	30		
			Czech I	30		
			Czech II	30		
			Arabic I	30		
			Arabic II	30		
			Japanese A	30		
			Japanese B	30		
			Japanese C	30		
			Japanese D	30		Those subjects are fer
			Japanese E Japanese F	30		These subjects are for international students.
	Japanese		Japanese G	30		Institutional Stations.
	- apairose		Japanese H	30		1
			Japanese I	30		1
			Japanese J	30		1
			Basic Japanese I	120		Those subjects - C. d. F.C.
			Basic Japanese II	90	3	These subjects are for the FGL Undergraduate Courses.
			Intermediate Japanese	90		Ondergraduate Courses.

Category	Group	Subject	Total class hours	Credits	Comments
	Basics of Humanities		30	2	The dean of each faculty shall determine annually which courses may be taken by students of other
	Basics of Social Sciences		30	2	faculties as General Education Subjects.
		Linear Algebra A	30	2	
		Linear Algebra B	30	2	
		Calculus A	30	2	
	Basics of Mathematics	Calculus B	30	2	
		Ordinary Differential Equations	30	2	
		Complex Function Theory	30	2	
		Probability & Statistics	30	2	
	Basics of Physics	Physics A	30	2	
Basics of		Physics B	30	2	
Discipline		Physics C	30	2	
•		Basic Mathematics for Physics	30	2	
	Basics of Chemistry	Chemistry A	30	2	
		Chemistry B	30	2	
		Chemistry C	30	2	
		Biology A	30	2	
	Basics of Biology	Biology B	30	2	
		Biology C	30	2	
		Earth System Science	30	2	
	Basics of Earth and Space Science	Earth Material Science	30	2	
		Geography	30	2	
	Space Science	Astronomy	30	2	
		Geophysics	30	2	

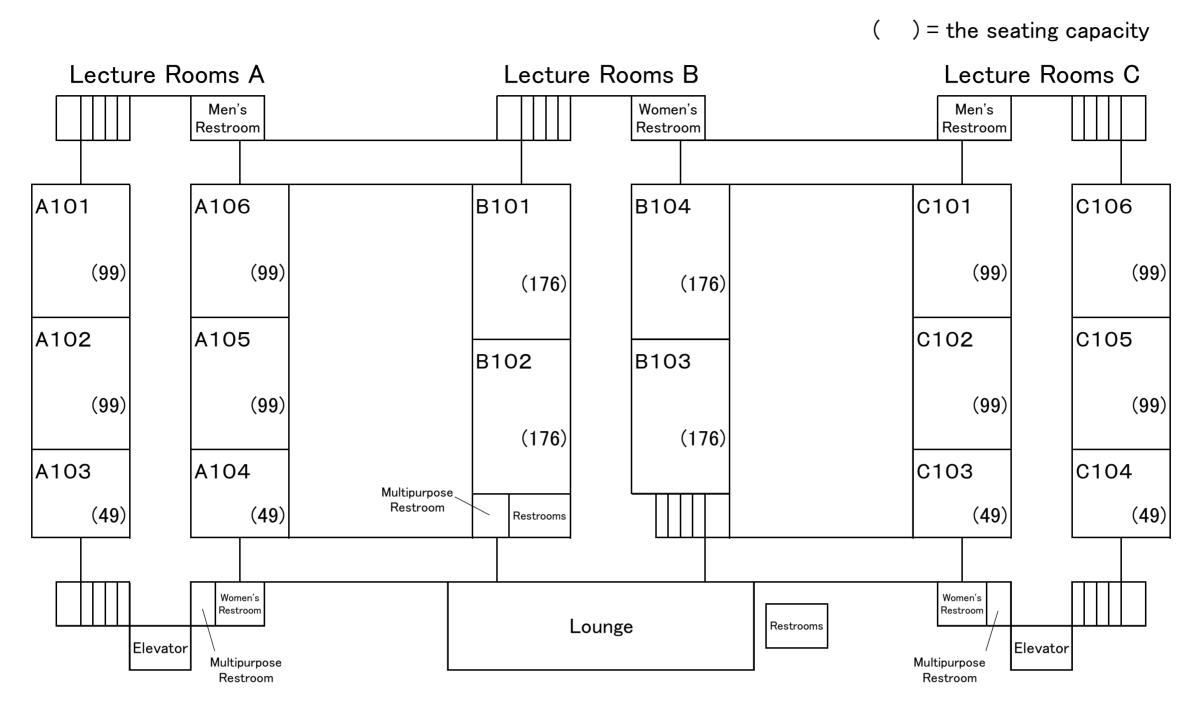
## • Kawauchi Campus Map

## (1) Campus Map

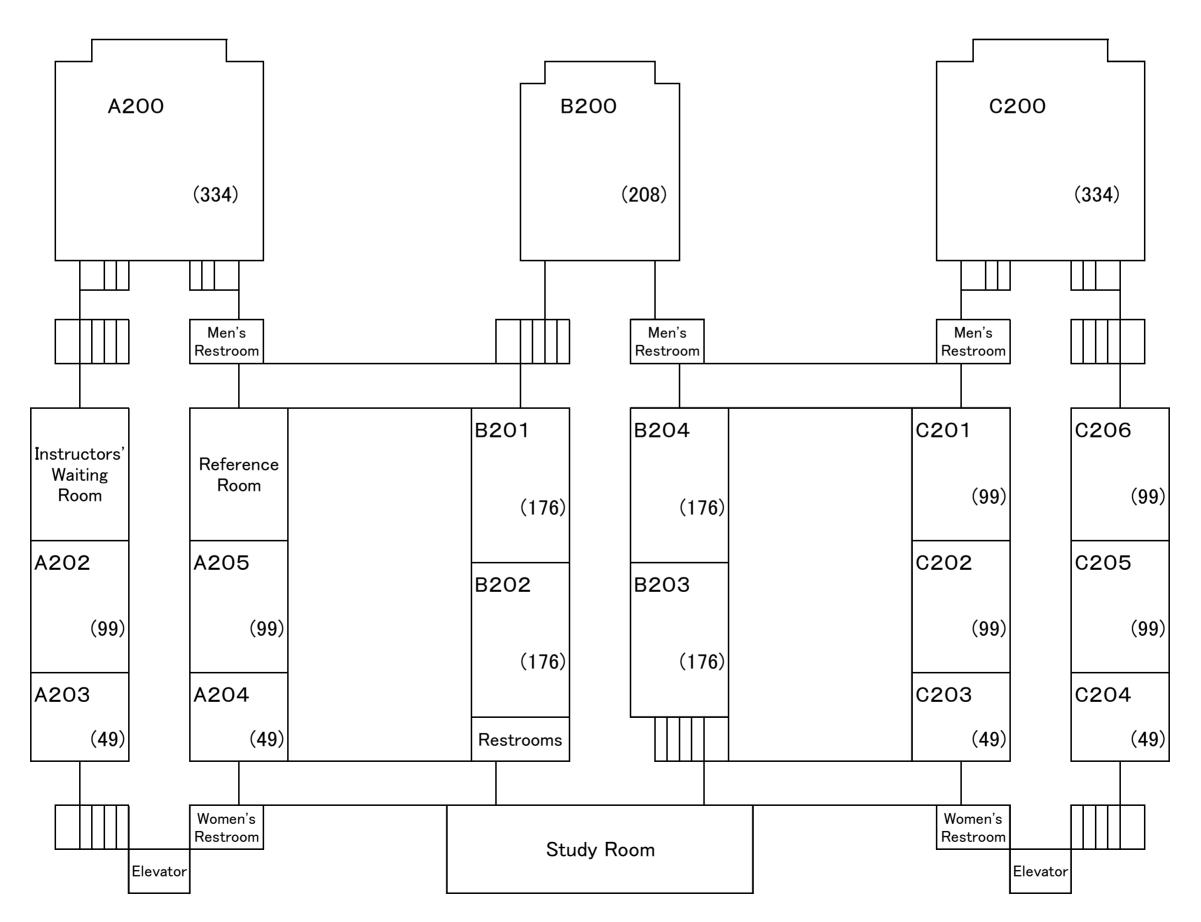


Α	01	Education and Student Support Center
Α	02	Lecture Rooms A
Α	03	Lecture Rooms B
Α	04	Lecture Rooms C
Α	05	Multimedia Education and Research Complex
Α	06	Student Laboratories
Α	07	Center for Northeast Asian Studies, Office, Kawakita Research Forum
Α	80	Graduate School of International Cultural Studies, 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)

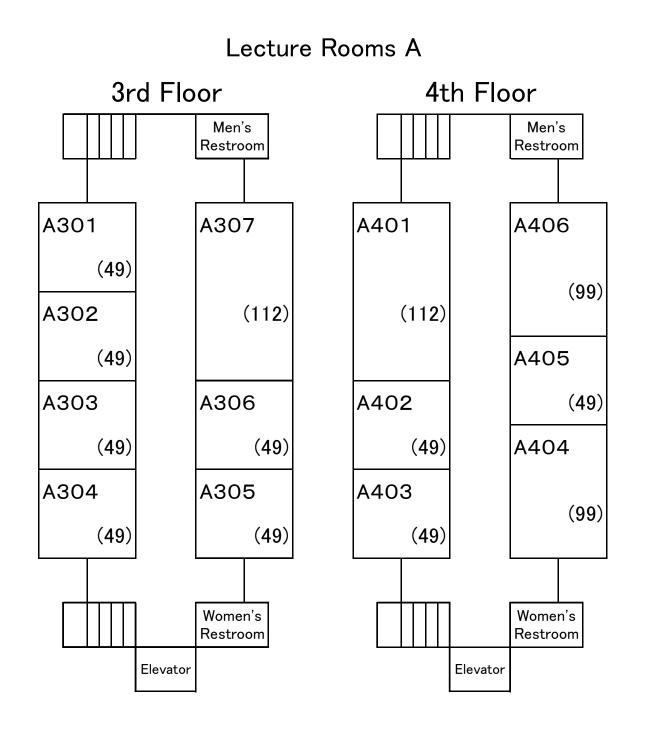
# (2) Classroom

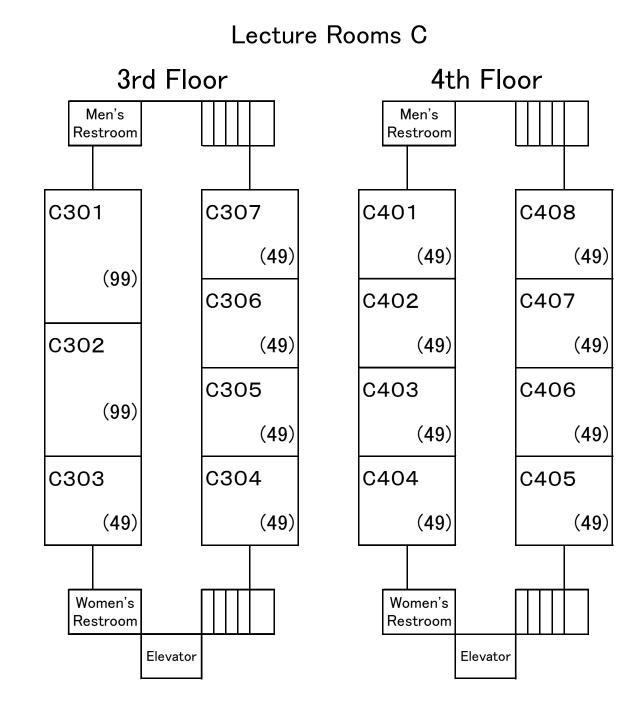


1st Floor

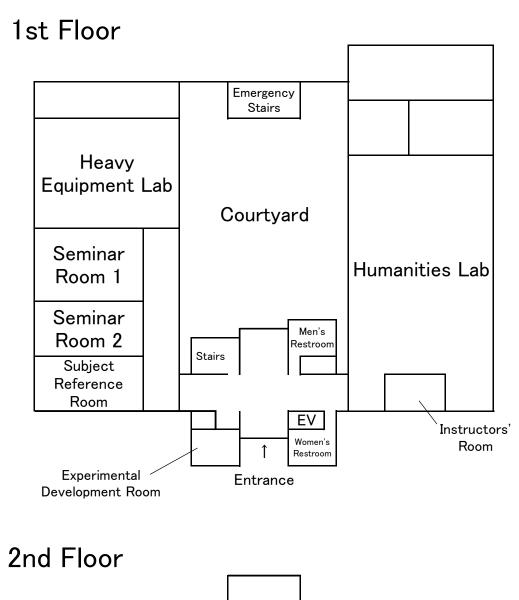


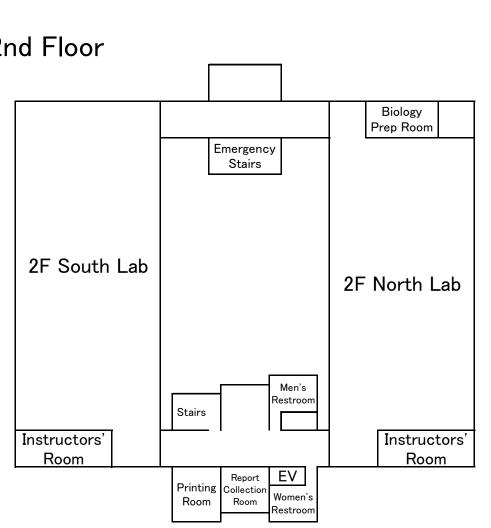
2nd Floor

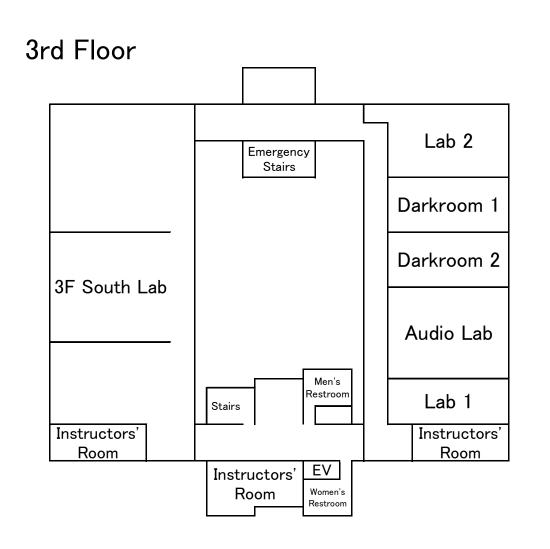




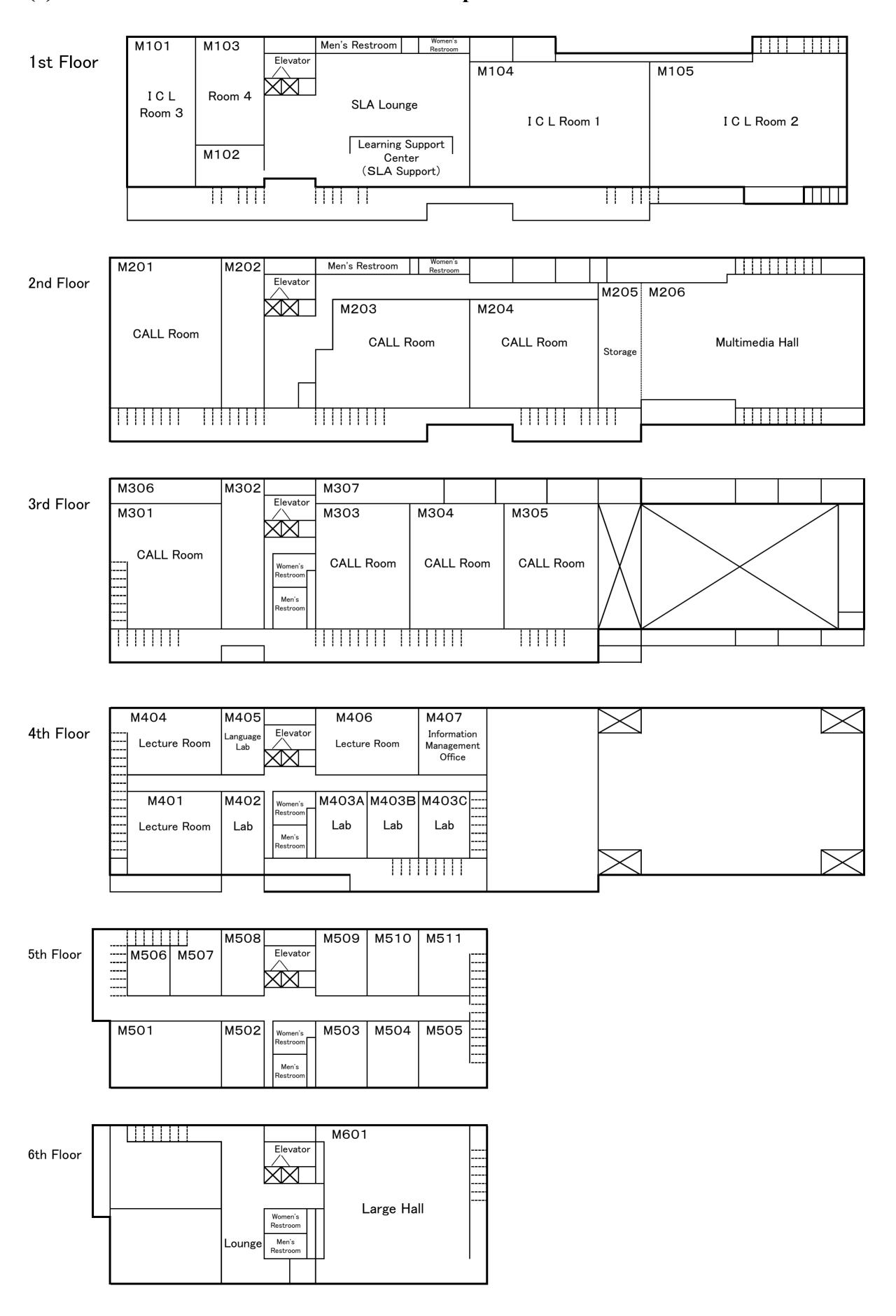
# (3) Student Laboratories



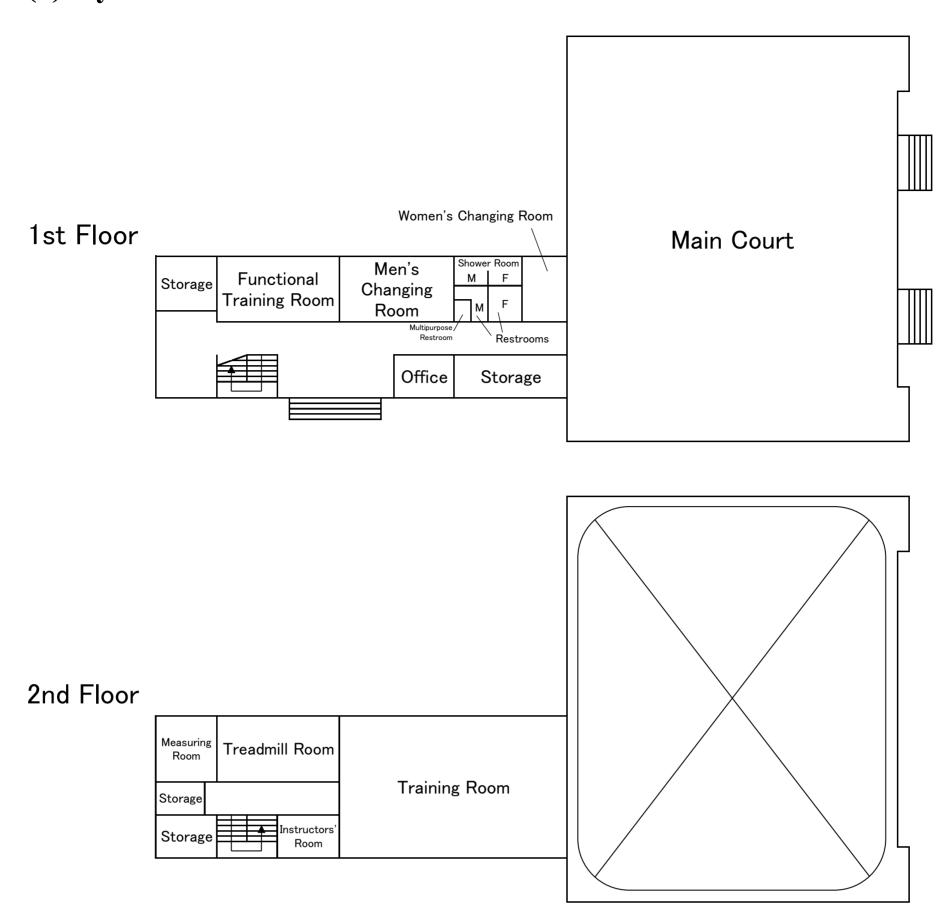




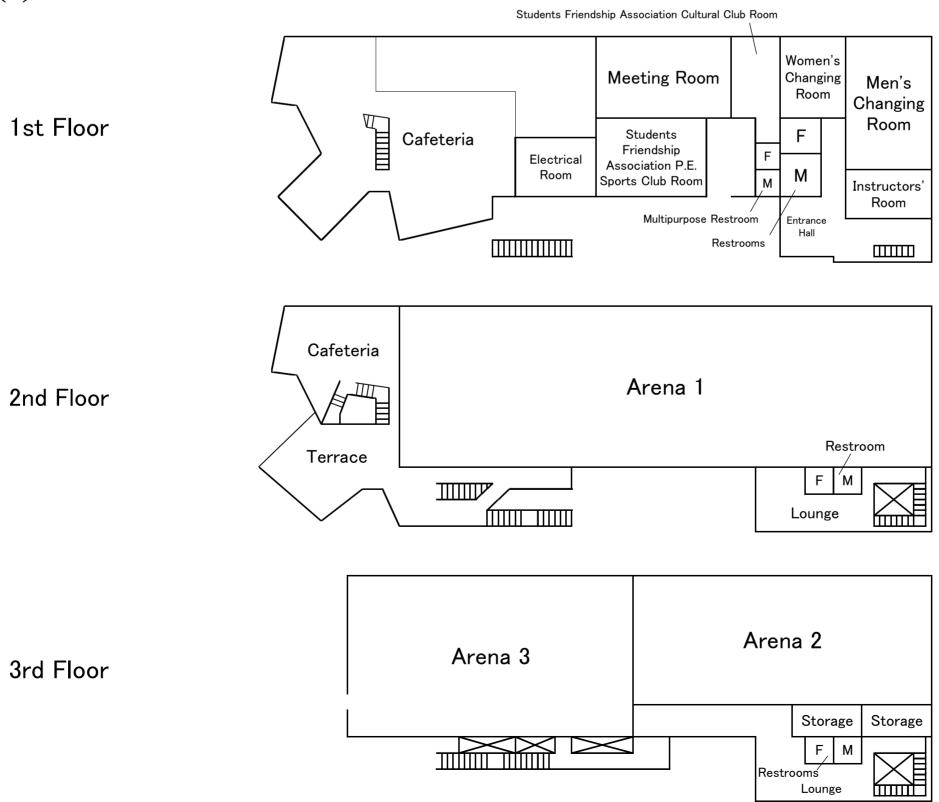
# (4) Multimedia Education and Research Complex



# (5) Gymnasium



# (6) Sub Arena



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

Stude	ent Support Division (1st floor)
	Support Planning Section
1	-Lost & Found
1	-Change of personal information (address, contact information etc.)
	-Thefts/crimes/accidents
	Activity Support Section
2	-Circles/clubs
	-Equipment loan
	Life Support Section
3	-University House, dormitories
	-Enrollment/invoicing for personal accident (Gakkensai) & liability (Inbound futai-gakuso) insurance
	-National Pension Plan
	Financial Support Section
4	-Waiver or deferment of entrance fee/tuition
"	-Scholarships (for Japanese students)
	-Student Commuter Certificate
Educ	ational Affairs Division (2 <sup>nd</sup> floor)
	Educational Records and Programs Section
	Educational Programs Section
5	General Education Planning Section
	Liberal Education Operating Section
	-General Education classes
Stude	ent Exchange Division (2 <sup>nd</sup> floor)
6-A	General Affairs Section
0-A	-Tohoku University International House/University House
	International Education Section
6-B	-Future Global Leadership Undergraduate Courses (= FGL Office)
	-Special curriculum (Japanese language) for international students
	-Scholarships (Japanese Government Scholarship, Honors Scholarship etc.)
	Incoming Student Exchange Section
6-C	-Incoming student exchange programs
	-Double Degree (Joint Education) Program (incoming)
	Global Programs Section
	-TGL Program
6-D	-Outgoing overseas programs (Study Abroad Program (SAP)/exchanges/COLABS )
	-English language learning
	-Scholarships for outgoing studies abroad
7	International Support Office
Conti	-Resident Status, private apartments
Cente	er for Career Support (3 <sup>rd</sup> floor)
o	Careers Advisory Section
8	-Counseling and information on student career paths and job-finding
	-Internships and part-time employment

 $<sup>3^{</sup>rd}$  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.

