



# October 2024 Admission FGL Program Undergraduate Courses

# **General Education Guidebook**



https://www.insc.tohoku.ac.jp/english/fgl-current-students/ (FGL website for Current Students)

> April 2025 Tohoku University

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# **Academic Calendar of 2025 General Education Program**

**Spring Semester** 

Spring Semester		
	[AMC] April 4 (Fri.) 10:00-12:00 Katahira Campus South Multidisciplinary Research Laboratory 2, 4th floor, Seminar Room	
Orientation for the 3rd semester	【IMAC-U】April 2 (Wed) 12:30-17:15 Examination	
(Specialized subjects for each department)	April 3 (Thu.) 10:00-11:00 Orientation	
	[AMB] There will be no course orientation.	
	April 8 (Tue.) — August 5 (Tue.), 2025	
Classes in 3 <sup>rd</sup> Semester	<1Q>April 8 (Tue.) — June 10 (Tue.), 2025	
	<2Q>June 4 (Wed.) — August 5 (Tue.), 2025	
Class Registration by website	April 8 (Tue.) — April 21 (Mon.), 2025	
Drop / Withdrawal for Class Registration	April 22 (Tue.) — May 9 (Fri), 2025	
Semester-end Vacation	August 6 (Wed.) — September 30 (Tue.), 2025	

# **Fall Semester**

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Classes in 4 <sup>th</sup> Semester	October 1 (Wed.) —February 3 (Tue.), 2026 <3Q>October 1 (Wed.) —December 1 (Mon.), 2025 <4Q>November 27 (Thu.) —February 3 (Tue.), 2026
Class Registration by website	October 1 (Wed.) — October 14 (Tue.), 2025
Drop / Withdrawal for Class Registration	October 15 (Wed.) — October 31 (Fri.), 2025
Winter Break	December 29 (Mon.), 2025 – January 2 (Fri.), 2026
No classes due to Common Test for University Admissions	January 16 (Fri.), 2026
Semester-end Vacation	February 4 (Wed), 2026—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	

# Class Schedule of AY2025 General Education Subjects

(from April, 2025 to March, 2026)

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Normal Classes Intensive Classes No classes (holidays, etc.) Indicates end of quarter

: Makeup class for Monday will be held on May 2, November 26 and January 29. Makeup class for Friday will be held on February 3.

 $\diamondsuit$ : Class will be held on October 13 (Mon.) although it is a national holiday.

#### note:

- 1 Class will be canceled:
  - From July 30(Wed.) to July 31(Thu.) for the Campus Visit Days.
  - •On October 24(Fri.) for the University Festival.
  - •On January 16(Fri.) for the Common Test for University Admissions.
- 2 Regular Medical Checkups:

From April 21(Mon.) to 25(Fri.) and from May 7(Wed.) to 20(Tue.)

### I General Education

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

#### **Admission 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.

#### **OCurriculum 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, and Transdisciplinary Subjects.
	• In the Navigating Academia, the basic attitude of those involved in academic research
	is developed through understanding of how academic research should be conducted.
Eassa dations	In the Humanities, Social Sciences, and Natural Sciences, humanities students focus
Foundations	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.
	• This group is composed of subjects dealing with Contemporary Competencies, and
A devenue of Coulcinate	Cutting Edge Subjects.
Advanced 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	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	Jul = 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: This is a learning activity and educational method in which learners from diverse linguistic and cultural backgrounds learn from each other through group work and projects. Learners are aware that there are different ways of thinking and approaches to things, and they have the opportunity to deepen their self-understanding by comparing themselves with others, which ultimately leads to the creation of new values. From this series of processes, students can not only improve their communication skills, but also grow internally by broadening their perspectives, acquiring critical thinking skills, and increasing their sense of self-efficacy. International co-curricular activities are a versatile educational method that can be applied to any field of study.

## 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, and orientation.

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 Guide. 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

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).

Even in classes held for your own faculty, groups are sometimes further subdivided by Student ID Number.

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. Method of conducting classes (Online class system)

The classes will be conducted mainly in face-to-face classes held on campus, with an effective combination of online classes according to the content and characteristics of each class. Please refer to the FGL website to see if online classes are scheduled.

#### FGL Website: https://www.insc.tohoku.ac.jp/english/fgl-current-students/

#### ① ISTU/DC System (ISTU on the Digital Campus System)

ISTU provides online access to class videos and materials. ISTU is used with a Tohoku University ID. URL: https://www.dc.tohoku.ac.jp/en/

#### 2 Google Classroom

Google Classroom is an online class system provided by Google, Inc. To view videos and materials for classes using Google Classroom, each student must add his/her own classes within Google Classroom using a "Class Code" for Google Classroom. (Note: "Class codes" are not "course numbering" or "lecture codes" on the syllabus.) The class codes for Google Classroom are listed on the FGL website during the class registration period.

#### 3 Google Meet

Google Meet is a videoconferencing system that runs in a web browser and can be used with a DC Mail account.

## 4 Microsoft Teams

This is a system that allows you to conduct video conferences using the Teams application or a web browser. Use the Microsoft 365 ID assigned to each student. Please see the guide below for details.

URL: https://www.cds.tohoku.ac.jp/en/

For other information, please check the Tohoku University Online Class Guide.

URL: https://olg.cds.tohoku.ac.jp/home

#### 4. Registration Procedures

To register for classes (and receive credits), it is necessary to complete the registration procedures on UNIPA.

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.

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.

Web-based registration is performed separately for each semester. You can also check your grades and credits online.

You should inquire at the faculty office when registering for classes outside your division.

For classes for which you have registered, please check the syllabus and prepare for the online class system (ISTU or Google Classroom) you plan to use.

## 5. Notes on Registration and Checking Grades

# (1) Web-based registration, confirmation/revision period

Spring semester: April 8 (Tue.) – April 21 (Mon.) Fall semester: October 1 (Wed.) – October 14 Tue.)

① Course registration will be conducted via the Student Affairs Information System "UNIPA" website during the above period per semester. Access the portal site at the following URL and click on "Academic Affairs Information System" under the "System" tab.

# Student Affairs Information System: https://slink.secioss.com/user/index.php?tenant=auth.tohoku.ac.jp

\*The Operation Manual is available from the following website.

https://rp.auth.tohoku.ac.jp/gkms/manual/index.html

- \*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.
- ② Select the classes you wish to take on the course registration screen of the "UNIPA" Student Affairs Information System, and click the "Final Confirmation" button. After confirming that there are no course registration errors, be sure to click the "Submit" button. Please note that registration is not completed only by selecting classes.
  - \*If there is an error in your course registration, the error will be indicated in red in the check result column. In this case, please correct the registration details, click the "Final Confirmation" button again, and confirm that there are no errors before clicking the "Submit" button.
- ③ Please register once during the first week of the registration period in order for the instructors to know the number of registered students.
  - \*Once you have registered for classes, you can change your registration as many times as you like during the course registration period. Please note that registration may be closed earlier at the instructors' judgment. If a instructor provides instructions on the syllabus or learning support systems such as Google Classroom, please follow it by completing course registration by the designated date, regardless of the deadline for web registration.
- 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.
- ⑥ If you have added classes to Google Classroom during the online registration period but did not register for them in the end, or if they were not approved due to course registration adjustments, <u>please cancel your Google Classroom registration on your own.</u> Also, please do not add classes to Google Classroom for which you have not registered. (This may cause confusion, such as differences between the actual number of students and the number of students registered in Google Classroom.)

#### [Attention]

#### Contact Information for Instructors in charge of classes (全学教育科目授業担当教員連絡先一覧)

Contact information for Faculty Members in Charge of General Education Courses can be found on the "List of Contact Information for Faculty Members in Charge of General Education Courses" posted on the General Education website. Search for contact information by "Class code" and "Class subject".

Faculty members' contact information is not available on the Student Affairs Information System (UNIPA) or the Tohoku University Syllabus Search System (Quick Syllabus).

If you have any questions, please contact the Educational Affairs Section. Be sure not to visit a faculty member's laboratory without prior notice.

## (2) Procedures for deregistering classes

Spring semester: April 22 (Tue.) – May 9 (Fri.) Fall semester: October 15 (Wed.) – October 31 (Fri.)

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

Spring semester: will be announced on August 21 (Thu.) Fall semester: will be announced on February 16 (Mon.)

- ① Please confirm your grades online using the "Grades Inquiry" screen via Student Affairs Information System "UNIPA".
- ② For details on grading, please see "III Examinations, Grading and Reports."

#### 6. Taking multiple courses

In General Education, students may take courses with the same title in the same semester by applying in advance for each course. It is also possible to repeat courses that have already been completed.

However, even if you take more than one course, only one of them will count toward graduation requirements, and the other courses are auditing courses.

Courses that can be taken more than once are those with different course titles (syllabus contents) as listed below.

- •Courses in the Humanities and Social Sciences of the Foundation Subjects
- Sports A in the Health and Sports of the Transdisciplinary Subjects of the Foundation Subjects
- •International Education of the Contemporary Competencies subjects of the Advanced subjects

Please note that if you wish to take multiple courses in the same semester, you must decide in advance which of them will count toward your graduation requirements before registering.

Registration for graduation requirement courses must be done online within the registration period. For auditing courses, applications will be accepted by e-mail to the Educational Affairs Division. For more information, please contact the Educational Affairs Division and see page 36 for their location and window number.

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

At Tohoku University, PCs are used for daily learning activities such as class registration procedures, checking grades, viewing class plans/syllabuses, distributing lecture materials, writing and submitting assignment reports, and other communications.

Students are required to bring their laptop computers when instructed by the instructor during face-to-face classes. Please check the General Education class syllabi to see whether your classes require a computer.

## 8. Campus Wi-Fi

All campuses have Wi-Fi access points in key locations for wireless Internet service (eduroam). The laptop computer to be brought to the face-to-face classes must be set up for eduoroam in advance.

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.html).

#### 9. 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.

#### Agreement on Credit Awards for Japanese Language Tests etc. Academic Affairs Council January 5, 2011

- 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. Languages subjects for which these credits can be awarded are as follows. Japanese
- 4. Subjects for which credits can be awarded, Japanese language tests, criterion for recognition, and number of credits are as follows.

Recognized subjects: Basic Japanese I, Basic Japanese II and Intermediate Japanese are certified in that order. The maximum number of approved credits is 7.

Name of Test:

- 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)
JLF I 1N4	/	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 illefuding 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)

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.

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

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.

# 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

When submitting written exams and reports for General Education subjects, never engage in misconduct as described below. Also, please comply with all of the following Notes on Written Examinations. If any misconduct is detected in written examinations or reports, those involved will be subject to severe disciplinary measures.

#### <Notes on Written Examinations>

- 1. Follow the exam proctor's instructions and refrain from any misconduct.
- 2. Please fill seats in the exam room starting from the front row.
- 3. Place your student ID card on your desk during the examination.
- 4. Except for writing utensils, especially mobile devices such as smartphones or smartwatches, wearable devices, and pieces of paper, etc., should not be left on the desk or worn but should be put away in your bag. Those electronic devices should be turned off at that time. You may use a dictionary, etc. only if permitted to do so
- 5. Writing mats may be used only if permitted by the proctor.

#### <Definition of Misconduct>

#### **Written Examinations**

- (1) Taking an exam in place of another person, or having another person take an exam in your place.
- (2) Using unauthorized textbooks, dictionaries, reference materials, notes, memos, etc. during the examination.
- (3) Peeking at other people's answers, showing others your answers, receiving answers from others, etc.
- (4) Exchanging answers with others.
- (5) Placing on your desk or wearing smartphones, smartwatches, other mobile or wearable devices, pieces of paper, etc., that the proctor has instructed to be stored in your bag.
- (6) Behavior that is contrary to the proctor's instructions and/or disrupts the fair administration of the examination.
- (7) Any other behavior that is deemed to be equivalent to the above.

#### Reports etc.

- (1) Plagiarism: Ex. intentionally quoting your own or another author's copyrighted work without specifying the source or using the content of another student's report.
- (2) Fabrication: Ex. creating nonexistent test results and data, quoting nonexistent (fictitious) sources
- (3) Alteration: Ex. deliberately altering data and processes, manufacturing inauthentic results
- (4) Any other activities forbidden by the class instructor for the reason that they would prevent accurate evaluation of learning achievements. Ex.

#### 3. Makeup Examinations, etc.

If you are unable to take an examination, etc., 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 within three days (including the day of the examination)) 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
- 4) 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 cancel the registration.
- 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 Course Numbering Code

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)
- (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	Т
Faculty of Agriculture/Graduate School	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
General Education		Humanities	FH
	Foundations	Social Sciences	FS
		Natural Sciences	FN
E		Transdisciplinary Subjects	FT
luc	Advanced Subjects	Contemporary Competencies	AC
ati	Advanced Subjects	Cutting Edge Subjects	AE
On	Languages	Foreign Languages	LF
		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 Subje	ects	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		cademic Learning, Seminar on	1
		Each Discipline fo	r Academic Learning	
		Advanced General	Education Course	2
	Humanities, Social Scien	ces, Natural Sciences	3	1
	Transdisciplinary	Integrated Experiments of Science, Health &		
	Subjects	Sports (Sports), Health & Sports (Lecture)		
		Other than above	8	
Advanced		encies (Information Information and Data		
Subjects Science and Technology Education) Literacy				
Contemporary Competencies		9		
	(Subjects related to study abroad and internships)			
	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	Intermediate *** (L	anguage) I, II, III, IV,	2
	Multilinguality)	Practical *** (Lang	uage) I, II	
	Other than above			1
Basics of Discipline				1
Teacher Training	Practical Seminar on Tea	Practical Seminar on Teaching Profession		
Subjects	Other			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 UsedCodeJapaneseJEnglishENon-English foreign languagesFTwo or more languagesB

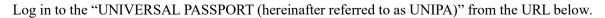
These codes will be assigned per class, in accordance with the syllabus for the relevant academic year. (Ex.)

General Education Subject "Foundation of Calculus" CB12345(Japanese) ZDN-MAT104J General Education Subject "Foundation of Calculus" CB67890 (English) ZDN-MAT104E

# 2. Searching Syllabus Online

Course syllabi can be viewed in the Student Affairs Information System "UNIPA". 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:

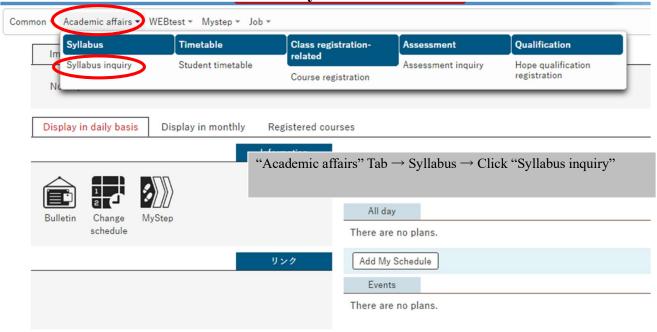




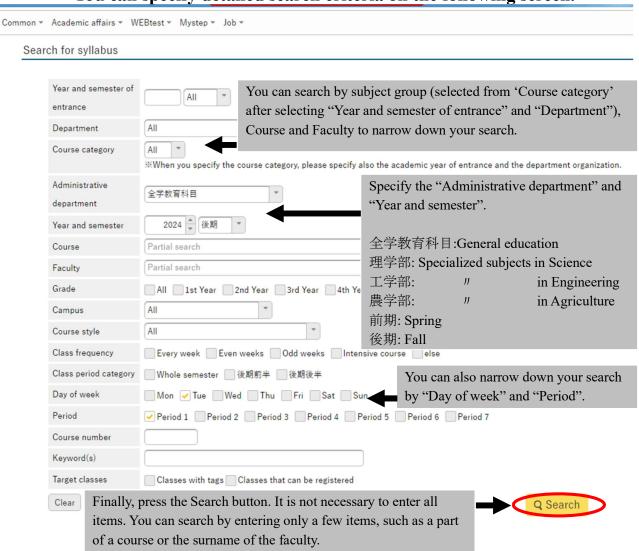
https://slink.secioss.com/user/index.php?tenant=authtohoku.ac.jp/

Top Page Requires Tohoku University ID and password to log in. Contact the FGL Office if you have any questions. For more information on image-matrix authentication, please refer to TOHOKU UNIVERSITY the online guide. https://sites.google.com/tohoku.ac.jp/oids-out/sso ログイン / Login 東北大ID / Tohokudai ID パスワード / Password Off-campus access One-time password or FIDO authentication (face, fingerprint, etc.) ログイン / Login ユーザーヘルプ / UserHelp On-campus access →Select 'UNIPA' from the portal Change the language to English. 共通 \* 教務 \* WEB申請 \* マイステップ \* 就職 \* 個人設定 メール設定 ブッシュ通知設定 テーマ設定 お気に入り機能設定 ポータル表示設定 ・テーマ、フォントサイズ、メニュー表示言語を設定します。 1. Click "setting" at the top right of the screen カラーテーマ ベーシック \* フォントサイズ 通常 小 2. Select "テーマ設定 (Set theme)" 3. Change "Display in English" from いいえ(No) to はい(Yes). ※選択したカラーテーマの表示イメージです。 Q 検索 ○登録 ●印刷 ○更新 自 4. Click "保存(Save)" button 0000 0000 0000 0000 00000 0000000 00000000 0000 000000 0000 0000 0000 100件 (1/5) 14 (4 1 2 3 4 5 ト) ト 10 🕶 英語で表示する (Display in English) いいえ

# Online syllabus search



# You can specify detailed search criteria on the following screen.



Search results will be displayed.



Syllabus display screen Syllabus inquiry Print Out Subject Physics A Tue.3Period 川北キャンパス C 1 0 3 Day/Period **Place** Categories 全学教育科目学術基礎科目-基礎物理学 Credit(s) 2.0Credits Object 国際学士コース (未履修)(\*) 小池 武志 所属:高度教養教育・学生支援機構 Instructor (Position) 2セメスター Term \*Screen configurations are subject to change. ZDP-PHY101E Course Numbering Language Used in Course Course of Media Class Main Subjects 各学部の履修内規または学生便覧を参照。 Introductory Physics Class Subject This course is intended for students without any or little background in physics and calculus. Through Object and Summary of Newtonian mechanics, important concepts in physics such as force, momentum, energy, angular momentum, Class and laws of conservation will be introduced. In addition, how these concepts are described in the language of mathematical equations, in particular, using calculus will be explored. By the end of the course, you are expected to gain familiarity with Newton's laws of motion, momentum, and energy, and angular momentum as well as their conservation properties. In addition, you are expected to be Goal of Study able to draw a free-body diagram, derive an equation of motion, and solve it using simple vector algebra and

### 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	-	History	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
			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 (Digital Entrepreneurship Seminar)	2	4
		apanese 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
		-	Physics A	2	2	AMC IMAC-U AMB
	Basics of Physics		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
		-	Biology A	2	2	AMC IMAC-U AMB
	Basics of Biology		Biology B	2	3	AMC AMB
			Biology C	2	3	AMC AMB
WE and in the	Basics of Earth and Space Science	-	Earth Material Science	2	2	AMC IMAC-U AMB

XFor 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 the instructor names below.

(1) AMC Course

General Education Subjects

Specialized Subjects

3 <sup>rd</sup> Semester	(April 2025_	Sentember	2025)
5 Schicker	1720111 2025	SCHUIIDUI	40431

	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50
Mon.	Biology C Kazuo INABA South Multidisciplinary Research Laboratory 2 AMC Classroom (302)	専門基礎化学 I Special Class in Basic Chemistry I Eriko NEGISHI	生物化学概論 General Biochemistry Satoshi TAKAHASHI Eriko NANGO Fumi NAGATSUGI	專門基礎化学Ⅲ <b>Special Class in</b> <b>Basic Chemistry III</b> Takehiko WADA	
Tue.	Basic Japanese II Yukiko SHUKURI Masako HAYASHI A204	CB22304  Biology B  Toshiharu ICHINOSE etc  C203	CB23317  Calculus B  Xavier DAHAN  C203		
Wed.	Chemistry C Mott Derrick R115	Basic Japanese II Yukiko SHUKURI Masako HAYASHI A204	Physics C Takeshi KOIKE R115		
Thu.		Physics B Dmytro FEDORYNENKO R115	Introductory Science Experiments Itaru NAKAMURA, Satoshi TOMITA et al. [A06] Student Laboratories		CB21305 <b>Basic Japanese II</b> Yukiko SHUKURI Masako HAYASHI <b>A204</b>
Fri.		CB52301 Linear Algebra B Mohammad Samy Baladram C203	専門基礎化学 II·IV <b>Special Class in Basic Chemistry II, IV</b> Brian Keith, BREEDLOVE		

# 4<sup>th</sup> Semester (October 2025 – March 2026)

	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50
Mon.		物理化学概論B General Physical Chemistry B Hiroshi KUMIGASHIRA	物理化学演習A Exercises in Physical Chemistry A Tadahiro KOMEDA	無機分析化学概論B General Inorganic and Analytical Chemistry B Brian Keith, BREEDLOVE	
Tue.	Probability & Statistics Xavier DAHAN C204	Intermediate Japanese Yukari AZUMI Yuna MIKODA C204	CB23402 Ordinary Differential Equations Xavier DAHAN C404	日本の産業と科学技術 Science, Technology and Industry in Japan Yoshitaka KASUKABE etc A301	CB25208 Special Lecture of Career Education (Digital Entrepreneurship Seminar) Takeshi KOIKE, etc C203
Wed.	CB22402 Intermediate Japanese Yukari AZUMI Yuna MIKODA C204	Intermediate Japanese Yukari AZUMI Yuna MIKODA C204			
Thu.		生物化学 IA <b>Biochemistry IA</b> South Multidisciplinary Research 2  Satoshi TAKAHASHI	有機化学演習 A Exercises in Organic Chemistry A Fumi NAGATSUGI, Takehiko WADA, Shin MIZUKAMI		
Fri.	無機分析化学概論A <b>General Inorganic</b> <b>and Analytical</b> <b>Chemistry A</b> Brian Keith, BREEDLOVE	有機化学概論 A <b>General Organic</b> <b>Chemistry A</b> Shin MIZUKAMI	スポーツA <b>Sports A*</b>		
Int ens ive	CB88402 <b>Health</b> Tomoh	niko MURATSUBAKI			

Notice: \*Students will choose one of the sports activities for Sports A.

<sup>\*</sup>Students will choose one of the Introductory Seminar.

General Education Subjects

Specialized Subjects

(2) IMAC-U Course 3<sup>rd</sup> Semester (April 2025 – September 2025)

	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50
Mon.	<2Q> 数学Ⅱ <b>Mathematics II</b> Takashi FURUSAWA	<1Q>力学 Mechanics Anna SUZUKI <2Q>数理解析学 Numerical Analysis Kanjuro MAKIHARA	<1Q>数学 I <b>Mathematics I</b> Masayuki TAKAHASHI	<ul><li>&lt;1Q&gt;数理情報学演習</li><li>Exercises in Computer-Aided Problem Solving</li><li>Takayuki OKATANI</li><li>Hiraku MATSUKUMA</li></ul>	
Tue.	Basic Japanese II Yukiko SHUKURI Masako HAYASHI A204	スポーツA Sports A*	CB23317 Caluculus B Xavier DAHAN C203		
Wed.	Chemistry C Mott Derrick R115	Basic Japanese II Yukiko SHUKURI Masako HAYASHI A204	Physics C Takeshi KOIKE R115	数学物理学演習 II Exercises in Mathe- matics and Physics II Nguyen Van Toan	
Thu.		Physics B Dmytro FEDORYNENKO R115	Introductory Science Itaru NAKAMURA, Satoshi TC [A06] Student Laborate	OMITA et al. ories	CB21305 <b>Basic Japanese II</b> Yukiko SHUKURI Masako HAYASHI <b>A204</b>
Fri.	<iq>力学 <b>Mechanics</b> Anna SUZUKI</iq>	CB52301 Linear Algebra B Mohammad Samy Baladram C203	<iq>数学 I  Mathematics I  Masayuki TAKAHASHI &lt;2Q&gt;数学 II  Mathematics II  Takashi FURUSAWA</iq>	<1Q>数理情報学演習 Exercises in Computer- Aided Problem Solving Takayuki OKATANI Hikaru MATSUKUMA <2Q>数理解析学 Numerical Analysis Kanjuro MAKIHARA	

4th Semester (October 2025 -March 2026)

4" 5	Semester (October 2025 – March 2026)							
	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50			
Mon.	〈3Q〉量子力学 I Quantum Mechanics Wataru YASHIRO 〈4Q〉材料力学 Ⅱ Mechanics of Materials II Takeshi YAMAGUCHI Go YAMAMOTO	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	◇3Q>材料力学 I Mechanics of Materials I Tomonaga OKABE Yuji ICHIKAWA ◇4Q>流体力学 I Fluid Mechanics I Takehiko SATO					
Tue.	Probability & Statistics Xavier DAHAN C204	Intermediate Japanese Yukari AZUMI Yuna MIKODA C204	CB23402 Ordinary Differential Equations Xavier DAHAN C404	日本の産業と科学技術 Science,Technology and Industry in Japan Yoshitaka KASUKABE etc A301	CB25208 Special Lecture of Career Education (Digital Entrepreneurship Seminar) Takeshi KOIKE, etc C203			
Wed.	CB22402 Intermediate Japanese Yukari AZUMI Yuna MIKODA C204	Intermediate Japanese Yukari AZUMI Yuna MIKODA C204	機械知能·航空研修 I Seminar I	<3Q>情報処理演習 Practice of Information Processing Makoto HIROTA <4Q>コンピューター実習 I Computer Seminar I				
Thu.	《3Q>量子力学 I <b>Quantum Mechanics</b> Wataru YASHIRO <4Q>材料力学 II <b>Mechanics of Materials II</b> Takeshi YAMAGUCHI Go YAMAMOTO	¬ЗQ>熱力学 I  Thermodynamics I  Takashi TOKUMASU  Akihiro HAYAKAWA  ¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬	◇3Q>材料力学 I Mechanics of Materials I Tomonaga OKABE Yuji ICHIKAWA <4Q>流体力学 I Fluid Mechanics I Takehiko SATO					
Fri.	<3Q>熱力学 I Thermodynamics I Takashi TOKUMASU Akihiro HAYAKAWA <4Q>材料科学 I Materials Science I Kazuhisa SATO Yuji ICHIKAWA	<3Q>機械力学 Mechanical Vibrations I Mitsuhiro HAYASHIBE, Fedorynenko DMYTRO <4Q>制御工学I Control Engineering I Dai OWAKI	機械知能·航空研修 I Seminar I					
Inten		ed Engineering for Investarrange and decide the schedu						
Int en siv	CB88402 <b>Health</b> Tomohi	ko MURATSUBAKI						

Notice: \*See the IMAC-U timetable for details of Specialized Subject Classes.

<sup>\*</sup>Students will choose one of the sports activities for Sports A.

<sup>\*</sup>Students will choose one of Introductory Seminar.

# (3) AMB Course

C	L: 4_
Specialized Sul	niects

3<sup>rd</sup> Semester (April 2025 – September 2025)

	beinester (ripin 2	1025 September 2	====				
	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50		
Mon.	Biology C Kazuo INABA C103						
Tue.	Basic Japanese II Yukiko SHUKURI Masako HAYASHI A204	CB22304  Biology B  Toshiharu ICHINOSE, etc  C203	CB23317 Calculus B Xavier DAHAN C203	Foundations of Linear Algebra Ying CHEN C203			
Wed.	Chemistry C Mott Derrick R115	Basic Japanese II Yukiko SHUKURI Masako HAYASHI A204	Physics C Takeshi KOIKE R115				
Thu.		Physics B Dmytro FEDORYNENKO R115	Introductory Science Itaru NAKAMURA, Satoshi TON [A06] Student Laborator	MITA et al.	CB21305 <b>Basic Japanese II</b> Yukiko SHUKURI Masako HAYASHI <b>A204</b>		
Fri.	(1Q) 水圏無脊椎動物学 <b>Aquatic Invertebr</b> <b>Lecture Room 9</b>	rate Biology	現代における農と農学 Modern Agriculture and Agricultural Science	陸圏・水圏環境コミュニケーション論 Introduction to Aquatic Production / Introduction to Natural and Agricultural Production			
Intensi ve course	臨海実習 Practice on Marine Bio-resources Science						

# 4th Semester (October 2025– March 2026)

	Schrester (October 2025– Wat en 2020)						
	8:50 - 10:20	10:30 - 12:00	13:00 - 14:30	14:40 - 16:10	16:20 - 17:50		
Mon.			<3Q> 水産遺伝育種学 Fish Genetics and I Lecture Room 8	Breeding science			
Tue	Probability & Statistics Xavier DAHAN C204	Intermediate Japanese Yukari AZUMI Yuna MIKODA C204	CB23402 Ordinary Differential Equations Xavier DAHAN C404	日本の産業と科学技術 Science, Technology and Industry in Japan Yoshitaka KASUKABE etc A301	CB25208 Special Lecture of Career Education (Digital Entrepreneurship Seminar) Takeshi KOIKE, etc C203		
Wed.	CB22402 Intermediate Japanese Yukari AZUMI Yuna MIKODA C204	Intermediate Japanese Yukari AZUMI Yuna MIKODA C204					
Thu.	<4Q> 海洋生物学 Marine Biology Lecture Room 8						
Fri.		水産科学概論 Introduction to Fisheries Science Lecture Room 8	スポーツ A Sports A*				
Inten	CB88402 <b>Health</b> Tomohiko MURATSUBAKI						

Notice: \*Students will choose one of the sports activities for Sports A.

<sup>\*</sup>Students will choose one of the Introductory Seminar.

# 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 2024, 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 4. below are General Education subjects.

- 1. Introduction to Academic Learning [2 credits] General Education Subjects
- 2. Life and Nature (Study of Nature, Life and Technology) [2 credits] General Education Subjects
- 3. Study Abroad Program A [1 credit] General Education Subjects
- 4. Digital Entrepreneurship Seminar [2 credits] General Education Subjects
- 5. Science, Technology, and Industry in Japan [1 credit] Specialized Subjects
- 6. Multidisciplinary Internship [1 credit] Specialized 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

(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) Self-study space	Self-study space is available in the lecture building. For details on how to use it, please
	refer to the General Education website.
	https://www2.he.tohoku.ac.jp/zengaku/zengaku.html
(4) SLA Lounge	There is an 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, and it can be used for study or breaks. Senior students will answer
	questions and provide advice on various subjects. Please see the Center for SLA
	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)

	isening services. The detains of counsening will be kept strictly confidential. (No Charge)					
(1) Center for	• Center for Counseling and Disability Services provides consulting regarding					
Counseling and	problems that arise during student life. Appropriate solutions will be discussed with					
Disability Services	the student.					
	<ul> <li>Location: Kawauchi Kita Campus, Tel: 795-7833</li> </ul>					
	• 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 the Kawauchi Campus. When parking bicycles, be sure to lock them securely and park them in designated bicycle parking areas, 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	Navigating Academia,	Humanities, Social Sciences					
	Natural Sciences	Mathematics, Physics, Chemistry, Biology, Earth and Space Science					
	Transdisciplinary	Society, 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						
of Discipline	Physics, Basics of Cher	mistry, 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		ion Subjects Froup	Subject	Total class	Credits	Comments
			Introduction to Academic Learning	hours 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		
			Fine Art	30	2	
	Humanities	\$	Education	30	2	
			History	30	2	
			Linguistics and Japanese Language Sciences	30	2	
			Psychology	30		
			Cultural Anthropology	30	2	
			Sociology	30	2	
			Economy and Society	30	2	
			Japanese Constitutional Law	30	2	
	Social Sciences		Law	30		
			Politics	30	2	
			Politics and Economics in the Information Society	30	2	
			Law, Politics and Society	30	2	
			Introduction to Linear Algebra	30	2	
		Mathematics	Foundations of Linear Algebra	30		
Foundation s			Introduction to Calculus	30	2	
5			Foundations of Calculus	30	2	
			Introduction to Statistics	30	2	
			Foundations of Probability & Statistics	30	2	
	Natural		Introduction to Physics	30		
	Sciences		Foundations of Physics I	30		
			Foundations of Physics II	30		
		Chemistry	Introduction to Chemistry	30		
		Biology	Introduction to Biology	30		
		Earth and	Introduction to Astronomy	30		
		Space	Introduction to Environmental Earth Science	30		
		Science	Introduction to Geography	30		
		Society	Inclusive Society	30	2	
		Energy	Energy, Resources and Sustainability	30	2	
		Life	Life and Nature	30		
		Environment	Nature and Environment	30	2	
			Information Science and Technology in Human Life and Society	30		
	Transdisci plinary Subjects	Information	Introduction to Area Studies on Northeast Asia	30		
		Integrated	Introductory Science Experiments	60	2	
	] ,	Experiments	Introductory Science Experiments for the Humanities	60		
		of Science	Sports A	30		
		Sports (Sports)	Sports B	30	1	
		Health & Sports	Health	30	2	
		(Lecture)	Sports and Health Sciences	30	2	

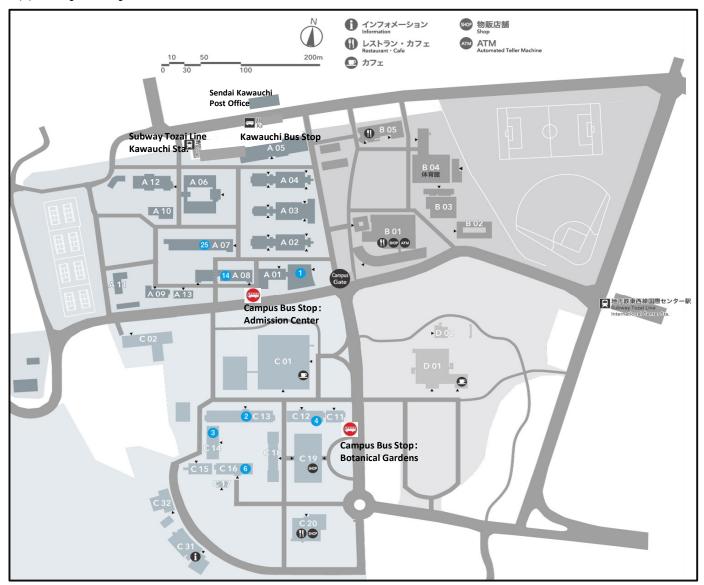
Category	G	roup	Subject	Total class hours	Credits	Comments
			Information and Data Literacy	30	2	
		Information Science and	Introduction to Data Science and Artificial Intelligence	30	2	
			Introduction to Algorithms for Machine Learning	30	2	
I		Technology	Hands-on Machine Learning I	30	2	
		Education	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		
			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		
			Global Career	30	2	
		T 1	Global Leadership Development through PBL	30	2	
		International Education	Special Topics on Global Leadership	30	2	
		Luuvunen	Special Topics on Global Zeadolsinp	15~30		
				30~60	2	
	Contempo rary Competen cies		Study-abroad Semester	60~90 90~120		
				$120 \sim 150$		
				150~180	6	
Advanced			Study-abroad Program A	45	1	
Subjects			Study-abroad Program B	90	2	
			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 Workshop for Designing Your Future	30	2	
			Career Design A	30	2	
			Career Design B	30	2	
			Career Design C	30	2	
		Career	Career Design D	30	2	
		Education	Preparation Course for Career Practical Training and	15	1	
			Internship Career Practical Training and Internship A	15	1	
			Career Practical Training and Internship B	30	2	
			Transferable Skills Workshop	30		
			Special Lecture of Career Education	30		Course subjects to be taught will
			Sustainability and Social Co-Creation	30		be determined yearly.
			Global Governance and Sustainable Development in SDGs	30		
		Global	Resilient Design for the Sustainable Society	30		
		Issues	Sustainable Development For Society	30	2	
			System Design Towards a Sustainable Society	30	2	
			Gender Co-Creation Society	30		
	C#.	Current		7.5	0.5	
	Cutting Edge	Topics		15~30 30~60	1 2	Course subjects to be taught will
	Subjects	Frontier		30		be determined yearly.
		Topics		50		

Finglish   Fa   Finglish   Finglish   Fa   Finglish   F	Category	C	Group	Subject	Total class hours	Credits	Comments
Lnglish   Lngl				English I-A	30	1	
English III			English				
Page							
English III (c-learning)   30   1						1 1	
Busic German						1	
Basic Groman I							
Intermediate German						2	
Intermediate German III						2	
Intermediate German IV						2	
Basic French							
Basic French II						2	
Intermediate French I							
Intermediate French II						2	
Intermediate French IV				Intermediate French II		2	
Practical French     30   2						2	
Practical French II							
Basic Russian						2	
Basic Russian II							
Intermediate Russian I						2	
Foreign   Languages   Basic Spanish I						2	
Languages				Intermediate Russian II	30		
Poreign						2	
Basic Spanish II			Languages			2	
Foreign   Intermediate Spanish II						2	
Languages		_					
Practical Spanish I   30   2						2	
Practical Spanish II   30   2     Basic Chinese I   60   2     Basic Chinese I   30   2     Intermediate Chinese II   30   2     Intermediate Chinese IV   30   2     Basic Korean I   60   2     Basic Korean I   60   2     Basic Korean I   30   2     Intermediate Korean II   30   2     Intermediate Korean II   30   2     Intermediate Korean II   30   2     Intermediate Korean IV   30   2     Greek I   30   2     Sanskrit I   30   2     Sanskrit I   30   2     Sanskrit I   30   2     Latin I   30   2     Japanese B   30   1     Japanese B   30   1     Japanese C   30   1     Japanese C   30   1     Japanese F   30   1     Japanese I   30   3							
Basic Chinese II						2	
Intermediate Chinese     30   2							
Intermediate Chinese III							
Intermediate Chinese III	_					2	
Intermediate Chinese IV   30   2   Basic Korean I   60   2   1   1   1   1   1   1   1   1   1	Languages						
Basic Korean I						2	
Basic Korean II							
Intermediate Korean I						2	
Intermediate Korean IV   30   2   Greek   30   2   Greek     30   2   Sanskrit   30   3   Sanskrit   30   30   Sanskrit   3							
Intermediate Korean IV   30   2   Greek   30   2   Greek     30   2   Sanskrit   30   3   Sanskrit   30   30   Sanskrit   3						2	
Greek I							
Greek II   30   2							
Sanskrit I						2	
Sanskrit II						2.	
Latin I							
Other   Languages   Mongolian I   30   2						2	
Languages   Mongolian II   30   2						2	
Italian I							
Italian II			Languages			2	
Czech II							
Czech II						2	
Arabic I   30   2     Arabic II   30   2     Japanese A   30   1     Japanese B   30   1     Japanese C   30   1     Japanese D   30   1     Japanese E   30   1     Japanese F   30   1     Japanese G   30   1     Japanese G   30   1     Japanese H   30   1     Japanese I   30   1     Japanese J   30   1     Japanese J   30   1     Basic Japanese I   30   1     Basic Japanese I   30   1     These subjects are for international students.							
Japanese A   30   1						2	
Japanese B   30   1						2	
Japanese C   30   1						l	
Japanese D   30   1     These subjects are for   Japanese F   30   1     These subjects are for   International students.   Japanese G   30   1     Japanese H   30   1     Japanese I   30   1     Japanese J   30   1     Japanese J   30   1     Japanese J   30   1     These subjects are for method students.   These subjects are for the FGL   Japanese I   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   Japanese II   120   4   These subjects are for the FGL   120   4   These subjects are for the FGL   120   4   120							
Japanese E   30   1   These subjects are for international students.						1	
Japanese F       30       1         Japanese G       30       1         Japanese H       30       1         Japanese I       30       1         Japanese J       30       1         Basic Japanese I       120       4         Basic Japanese II       90       3						1	These subjects are for
Japanese       30       1         Japanese H       30       1         Japanese I       30       1         Japanese J       30       1         Basic Japanese I       120       4         Basic Japanese II       90       3    These subjects are for the FGL Undergraduate Courses				Japanese F	30	1	
Japanese I         30         1           Japanese J         30         1           Basic Japanese I         120         4           Basic Japanese II         90         3   These subjects are for the FGL		Japanese				1	
Japanese J301Basic Japanese I1204Basic Japanese II903 These subjects are for the FGL Undergraduate Courses						1	
Basic Japanese I  Basic Japanese II  120 4 These subjects are for the FGL Undergraduate Courses						1	
Basic Japanese II 90 3 Inese subjects are for the FGL Undergraduate Courses						<u>1</u>	
				Intermediate Japanese		3	Undergraduate 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	f14: C1 E.14:
		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	
		Chemistry A	30	2	
	Basics of Chemistry	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	
		Earth Material Science	30	2	
	Basics of Earth and Space Science	Geography	30	2	
	Space Belefice	Astronomy	30	2	
		Geophysics	30	2	

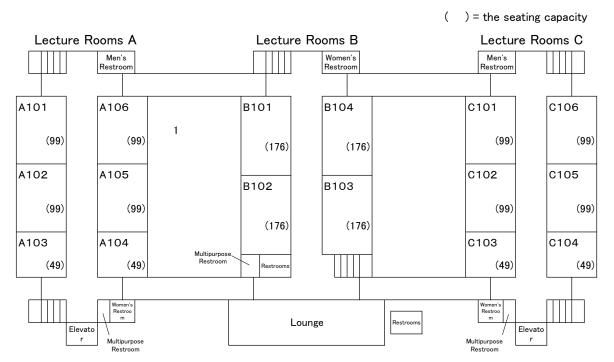
# • Kawauchi Campus Map

# (1) Campus Map

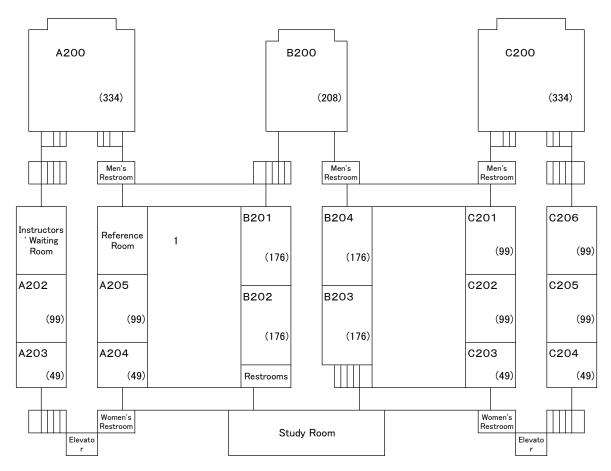


Α	01	Education and Student Support Center
Α	02	Lecture Rooms A
Α	03	Lecture Rooms B
Α	04	Lecture Rooms C
Α	05	Multimedia Education and Research Complex
Α	06	Student Laboratories
Α	07	Center for Northeast Asian Studies, Office, Kawakita Research Forum
Α	80	Graduate School of International Cultural Studies,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

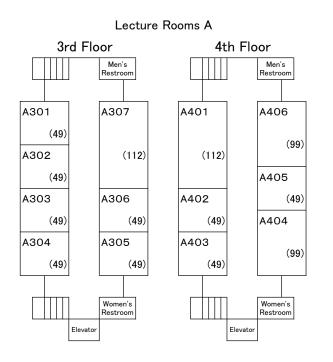
# (2) Classroom

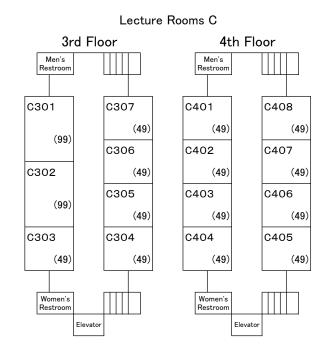


1st Floor

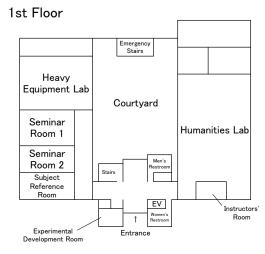


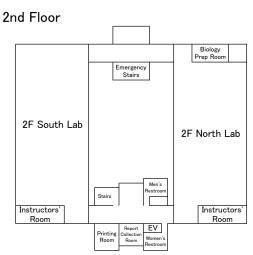
2nd Floor

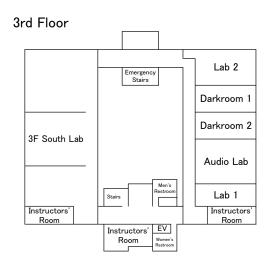




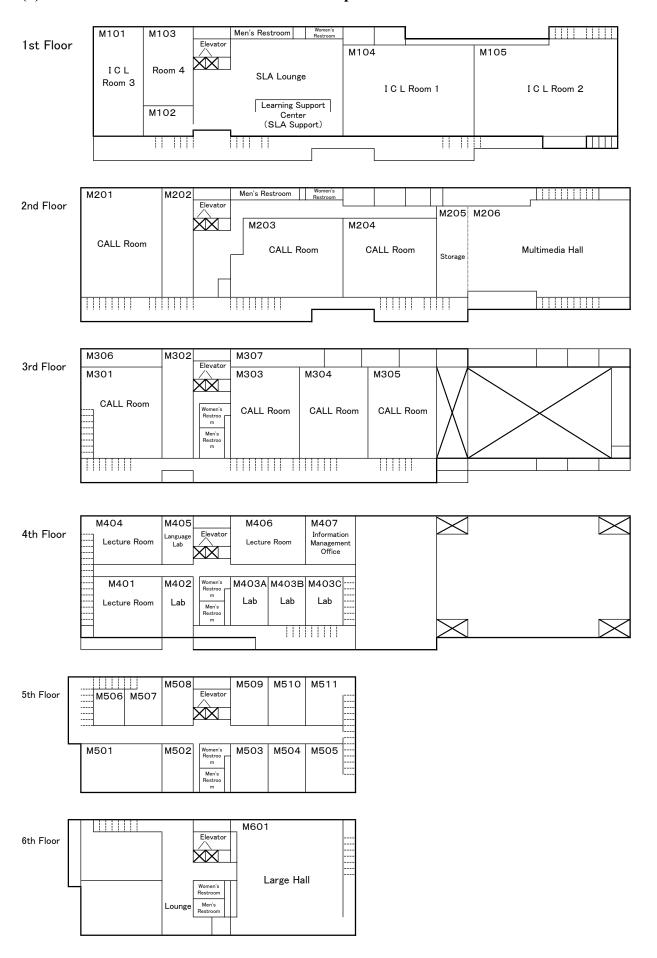
# (3) Student Laboratories



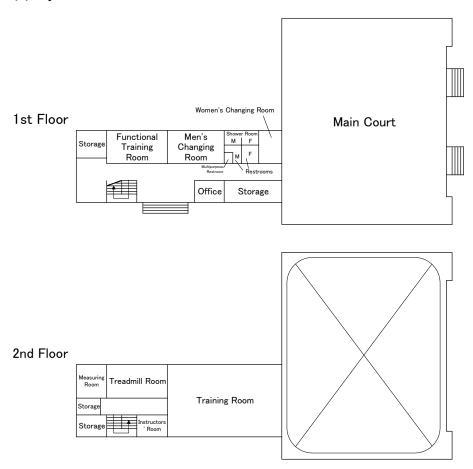


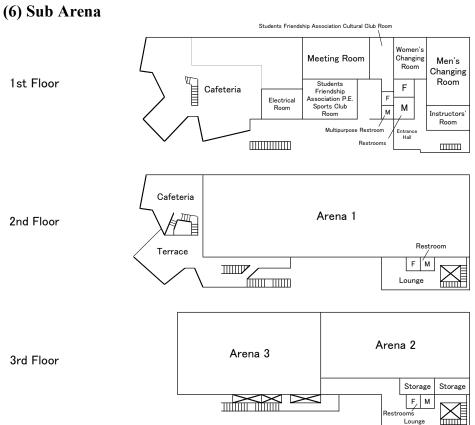


# (4) Multimedia Education and Research Complex



# (5) Gymnasium





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

Stude	ent Support Division (1st floor)
	Support Planning Section
	-Lost & Found
1	-Change of personal information (address, contact information etc.)
1	-Thefts/crimes/accidents
	-Enrollment/invoicing for personal accident (Gakkensai) & liability (Inbound futai-gakuso) insurance
	-National Pension Plan
	Activity Support Section
2	-Circles/clubs
	-Equipment loan
3	Student Life Support Section
3	-University House, dormitories
	Financial Support Section
4	-Waiver or deferment of entrance fee/tuition
4	-Scholarships (for Japanese students)
	-Student Commuter Certificate
Educa	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 71	-Tohoku University International House/University House
	International Education Section
<mark>6-B</mark>	-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
C. t	-Resident Status, private apartments
Cente	er for Career Support (3 <sup>rd</sup> floor)
0	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.

