



2020

ICT Guide for the University of Tsukuba

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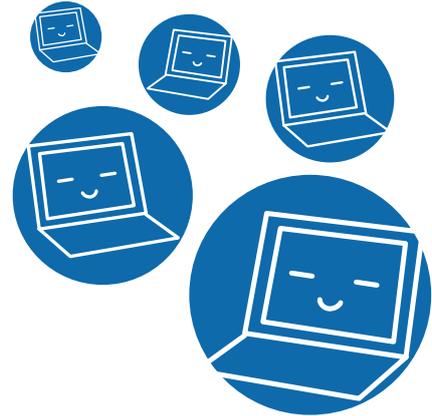
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SAFE AND SECURE USE OF THE INFORMATION SYSTEMS



When using the information systems in the University of Tsukuba (networks, computers etc.), there are some guidelines you must follow. Before using these systems, you need to read the checklist below. If there are items that do not apply, please read the brochure carefully and follow the guidelines for using the information systems. For more details regarding this brochure, please go to: <https://oii.tsukuba.ac.jp/en/oii-security-2/details/>.

Check !

- I never duplicate any copyrighted materials or make them available to a third party on the network. (A revised copyright law took effect in October 2012 and a penalty was introduced for downloading digital audio or visual recordings which infringe copyright.)
- I do not have any file exchange software program installed.
- Examples of file exchange programs: Xunlei, BitTorrent, µTorrent, LimeWire, Cabos, WinMX, Share, Winny, PerfectDark, etc.
- I never download software programs of unknown origin.
- I regularly update Windows and use all software programs in their most recent version.
- I have installed an antivirus software program. In addition, I frequently update the virus definition files to protect the computer from viruses.
- I never give my password to anyone.
- I never use other people's passwords and user names.
- I have set up a password which is hard to break.
- I always manage personal information carefully and I always take measures to prevent information leakage.
- As a member of the University of Tsukuba, I act responsibly and ethically when posting information on social networking sites and the Internet in general.
- When I use the Internet, I pay close attention to fraud (phishing or one-click fraud).
- I am careful not to open suspicious e-mails.



I never duplicate any copyrighted materials or make them available to a third party on the network. (A revised copyright law took effect in October 2012 and a penalty was introduced for downloading digital audio or visual recordings which infringe copyright.)

The purpose of the copyright law is “to provide for, and to secure protection of, the rights of authors, etc. and the rights neighboring thereto with respect” to “[copyrightable] works as well as performances, phonograms, broadcasts and wire-broadcasts, while giving due regard to the fair exploitation of these cultural products, and by doing so, to contribute to the development of culture.” If you duplicate copyrighted works illegally and make them available to a third party without the author’s permission, you are subject to punishment. You may also be punished for downloading digital audio or visual recordings when you are aware that they have been uploaded infringing copyright.



I do not have any file exchange software program installed.

Using file exchange software is very dangerous because some people distribute files with bad intentions. Moreover, the file you have downloaded is automatically uploaded for a third party. **The University of Tsukuba forbids the use of any file exchange software program** inside the campus network, including on the users’ personally owned computers. There is a system in place that **blocks the use of file exchange software 24 hours a day** and if you violate these rules, **you may be punished by the authorities of the university**. However, if you have a legitimate reason to use a file exchange software program on campus, please contact us. (Our contact address is shown on the last page of this brochure.)

I never download software programs of unknown origin.

If you find a web page of unknown origin distributing expensive software programs free of charge or at low cost, do not download these programs. In many cases, these are distributed without permission. Besides infringing copyright, you risk infecting your computer with a virus, since the software may have been modified. There is a system in place that monitors downloading of software programs of unknown origin. If you download such programs, **you may be punished by the authorities of the university**.

I regularly update Windows and use all software programs in their most recent version.

Computer viruses can spread maliciously through the operating system (Microsoft Windows, macOS, etc) and can take advantage of defects in popular software programs (Microsoft Office, Adobe Flash Player, Adobe Reader, Java, etc). For Microsoft Windows, you need to perform Windows Update or Microsoft Update; for macOS, you need to regularly do software updates to maintain the software in its latest version. If the support for the operating system has ended, you need to update to its latest version. It is also important to update all other software programs regularly.

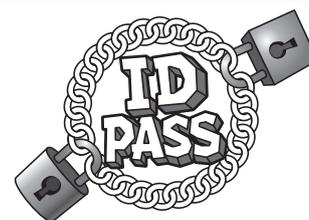
I have installed an antivirus software program. In addition, I frequently update the virus definition files to protect the computer from viruses.

When a computer is infected with a virus, not only data on the computer are destroyed but also the computer itself is taken over by the virus, and it might be used to send spam e-mails and attack other computers. Infection routes have diversified and using e-mails is not the only way a computer virus can spread. Actions such as browsing the Web or simply inserting a USB memory into the computer may cause infection. To avoid being infected with a virus, it is important to install an antivirus software program and update the virus definition files on a regular basis. **The University of Tsukuba has purchased a site license of an antivirus software program. The antivirus can be installed on up to three personal devices (Windows machines, Macintosh machines or mobile devices). The total number of installations must be less than 4. If you have no other antivirus program installed or if you are not sure whether you are paying a license fee for an already installed antivirus program, please install this one.** For more details, please go to <https://oii.tsukuba.ac.jp/en/oii-security-2/details/>.



I never give my password to anyone.

Username and passwords used for the information systems in the University of Tsukuba are important information to identify the users. If you give your username and password to a third party and he/she causes trouble while using the information systems of the university, you are also responsible for the problem because you gave away your password. Furthermore, you must not use a username and password given to you by somebody else.



I never use other people's passwords and user names.

It is against Act on the Prohibition of Unauthorized Computer Access to acquire somebody else's username and password and log in as that person, or to take advantage of a security hole (flaw in a software program) for avoiding the username and password confirmation, and log into a computer.

I have set up a password which is hard to break.

If a password is easy to break (your name, user name, birthday, phone number, repeating the same characters, using an English word more than once, using the alphabet in sequence on a keyboard, like "qwerty", or using the above in reverse), a third party may gain illicit access to your account.

It is important to set a password which is difficult to break (more than 8 characters, combination of capital letters, small letters, symbols and numbers) and change it regularly. Even if a password is difficult to break, **it is not advisable to write it down and make it available to a third party.**

Furthermore, it is not advisable to use the same password on different Internet services. Incidents have occurred where passwords were leaked from an Internet service; the same passwords were used to gain illegal access to a university computer and send spam emails. If you need passwords for many different online services, you can use a password management software.

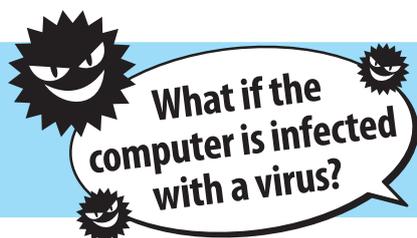


I always manage personal information carefully and I always take measures to prevent information leakage.

Faculty members as well as students may handle personal and medical information collected through surveys and so on during lectures and practice classes, but that information must not be released on the network. It is also forbidden to take the information outside the university. If you need to take part of the information out of the campus, you need to obtain permission from an administrator of the respective information, or a person designated by the administrator (an instructor of a class, or a supervisor of a laboratory, in case of a lecture or practice class) and take measures to secure the information (e.g. encrypt it), before carrying it away from the campus. You are not allowed to keep personal information on a computer that is managed personally. If this is unavoidable, you must encrypt the information first.

As a member of the University of Tsukuba, I act responsibly and ethically when posting information on social networking sites and the Internet in general.

Everything you post on the internet can be seen by anyone. If posting carelessly, you may get into trouble and your actions may affect the reputation of our university. You should be very careful not to post confidential, inappropriate or offensive information on the Internet.



To avoid further infection, remove the infected computer from the network (remove the network cable or the external wireless LAN card; if you use an internal wireless LAN card, turn its switch off) and contact us at the address on the last page of this brochure.

When I use the Internet, I pay close attention to fraud (such as phishing or one-click fraud).

While it is convenient to use the Internet, it is also possible to face unexpected troubles. The following will show you some tips to carefully observe fraud when using the Internet. This information is obtained from "Safe Living: How to Live a Pleasant Student Life", published by the Student Office.

If you are in trouble and cannot handle the situation, do not attempt an easy solution. Please contact your friends or faculty members or contact a consumer center first.

Phishing

In a phishing fraud, an attacker masquerades as an administrator etc. of a reputable company such as a bank, Rakuten, Amazon, Apple, Microsoft etc., and directs users to a website which is very similar to their real website, in order to steal the users' personal identification and password.

The bank and other companies will never ask you to input and confirm personal information via e-mail. If you receive a suspicious mail, do not provide your information immediately. In such a case, do not contact the address you find in your e-mail, but contact the company directly.



One-click fraud

One-click fraud means that if you click once on a link in an e-mail or on a website, you appear to have entered into an agreement and you are requested to pay a certain amount of money. If you encounter such a situation, ignore the request; do not make any payment for any purchase you are not aware of and do not give out your name or address. However, in some cases the fraudsters exploit the judicial process. If you receive notice that seems to come from court, do not ignore it, but check the address of the courthouse on its web page (<http://www.courts.go.jp/>) and contact that address. Do not contact the address in the letter sent to you.



I am careful not to open suspicious e-mails.

The University of Tsukuba has observed an increase in suspicious e-mails. These often include phishing scams, involving fraudulent e-mails that masquerade as e-mails coming from a mail system manager that try to lead you to a fake web page in order to steal your account information. Cyber-attack e-mails claiming to represent delivery notifications from delivery companies designed to let you open an attachment file in order to infect your computer with a virus have also been increasingly observed. If you receive an e-mail that seems suspicious (e.g. you have doubts about the subject, sender, contents), we recommend deleting it, not opening its attachment file, and not accessing the link included in the message. (Reference) Examples of Phishing Emails : <https://www.u.tsukuba.ac.jp/en-phishing-collection/>

Contact us if you find any problems

Please contact us immediately if you find security vulnerabilities and defects in the information systems of the University of Tsukuba, infringement of copyright, leaking of classified or personal information, release of classified information or personal information about faculty members of the University of Tsukuba through the information systems outside the university, and unauthorized use of contents owned by the University of Tsukuba.



Organization for Information Infrastructure
(Division of Information Infrastructure Management, Department of Academic Information)
e-mail: oii-security@oii.tsukuba.ac.jp

For more details regarding this brochure: <https://oii.tsukuba.ac.jp/en/oii-security-2/details/>



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Issued in March, 2020

Taking the “INFOSS Information Ethics” course

~ necessary information in information-oriented society ~

“INFOSS Information Ethics” is an e-Learning course intended for self-study. It was introduced as a part of the educational program on information security provided by the University of Tsukuba. This course will provide you with necessary information on how to use the university network and information systems and also how to behave in today’s information-oriented society

[Caution]

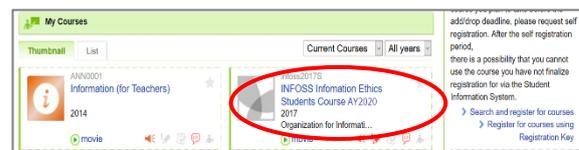
Freshmen and all students who have not attend the renewal edition of AY 2017 required to attend this course.

<Taking the course>

1. Access the university’s e-learning system manaba (<https://manaba.tsukuba.ac.jp>) by entering your UTID-13(the 13 digits number on the back of your Student ID) or UTID-NAME("s" followed by the last 7 digits of the student ID number) and password. You can study anywhere as long as you can use Internet.



2. Click on “INFOSS Information Ethics Students Course AY2020” on My Courses.



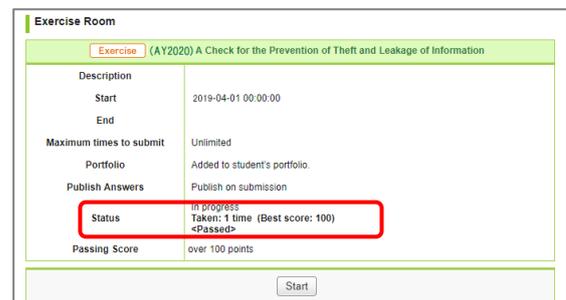
3. Study in the course and pass the examination.

- ◆ Choose the version you would like to use from the two available: [Japanese Version], and [English Version]. From the menu on the left side of the screen, click the chapter you want to study and you will start your lesson.
- ◆ Please answer the tests in order from 1 to 5. You will have passed the examination if you score 60 or above in all tests.



4. After you have passed the examination, please answer “A Check for the Prevention from Theft etc.”. You need to pass the examination to answer this check.

5.If the status of “A Check for the Prevention from Theft etc.” is “**passed**”, you have completed your course.



Contact information : Organization for Information Infrastructure
(Division of Information Infrastructure Management)
Email: oii-security@oii.tsukuba.ac.jp

■ Web site : Organization for Information Infrastructure -
Registration for the “INFOSS Information Ethics” e-Learning Course
< <https://oii.tsukuba.ac.jp/en/infoss-2/> >



3 Emergency E-mail Notifications from the University

— Using e-mail on the Zengaku Computer System —

In case a natural disaster or an accident occurs or likely to occur, emergency information will be posted on the university website or on its official Facebook.

Also, emergency notifications titled “University of Tsukuba Simultaneous Emergency Mail” will be sent to all students. Every student has been assigned an official University e-mail address of the Zengaku Computer System.

Note:

For students who enrolled after FY 2017, an e-mail will be sent to “@s.tsukuba.ac.jp”.

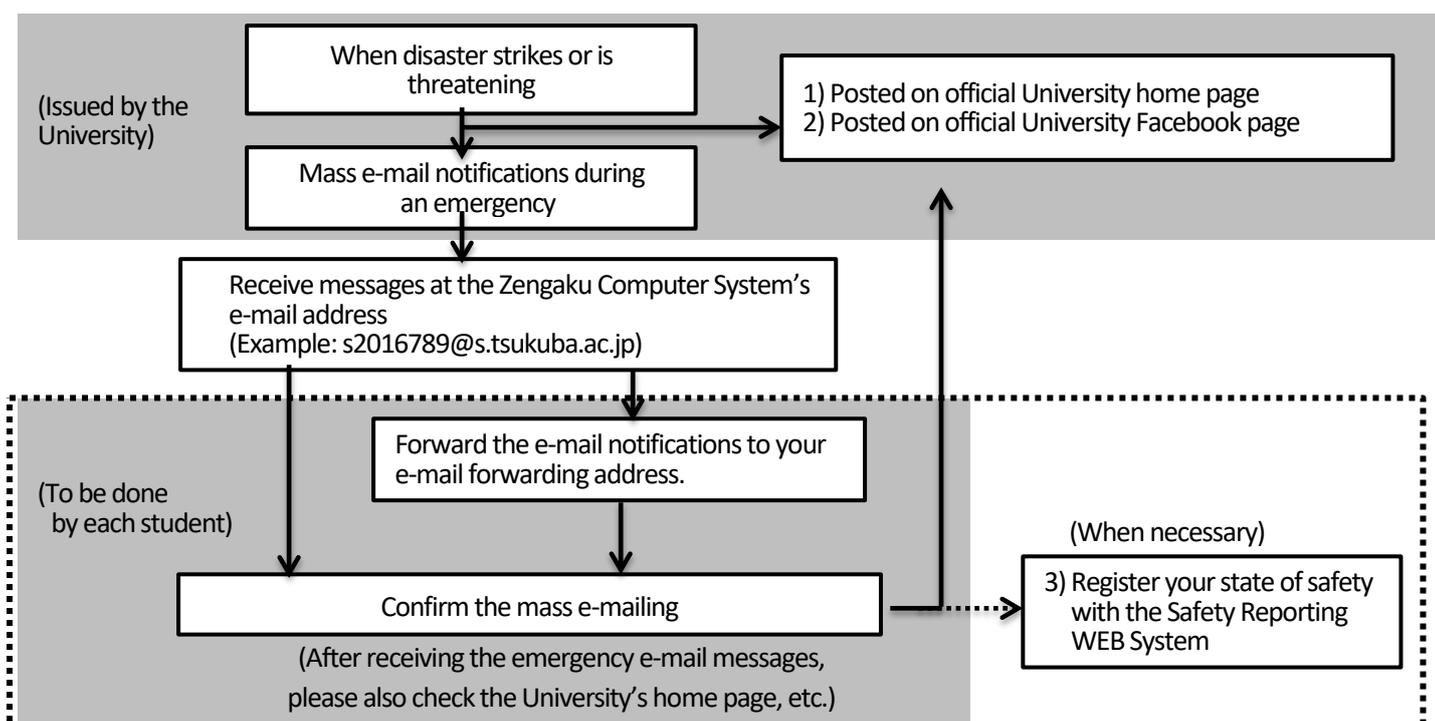
For students who enrolled before FY 2016, an e-mail will be sent to “@u.tsukuba.ac.jp”.

Official e-mails sent by the university can be checked on the computers installed in the satellite rooms of Zengaku Computer System, or on a personal computer connected to the Internet. Web Mail (Office 365 or “Active! Mail”) can be used with a Web browser. In addition, you can have university e-mails forwarded to your mobile phone and/or home computer.

Check your university e-mail every day because you may receive an “University of Tsukuba Simultaneous Emergency Mail,” and it will contain important emergency information.

Web

- | | |
|---|---|
| 1) University of Tsukuba's official home page | https://www.tsukuba.ac.jp/en |
| 2) University of Tsukuba's official Facebook page | https://www.facebook.com/univ.tsukuba.en |
| 3) Safety Reporting Web System | https://anpi.tsukuba.ac.jp/ |



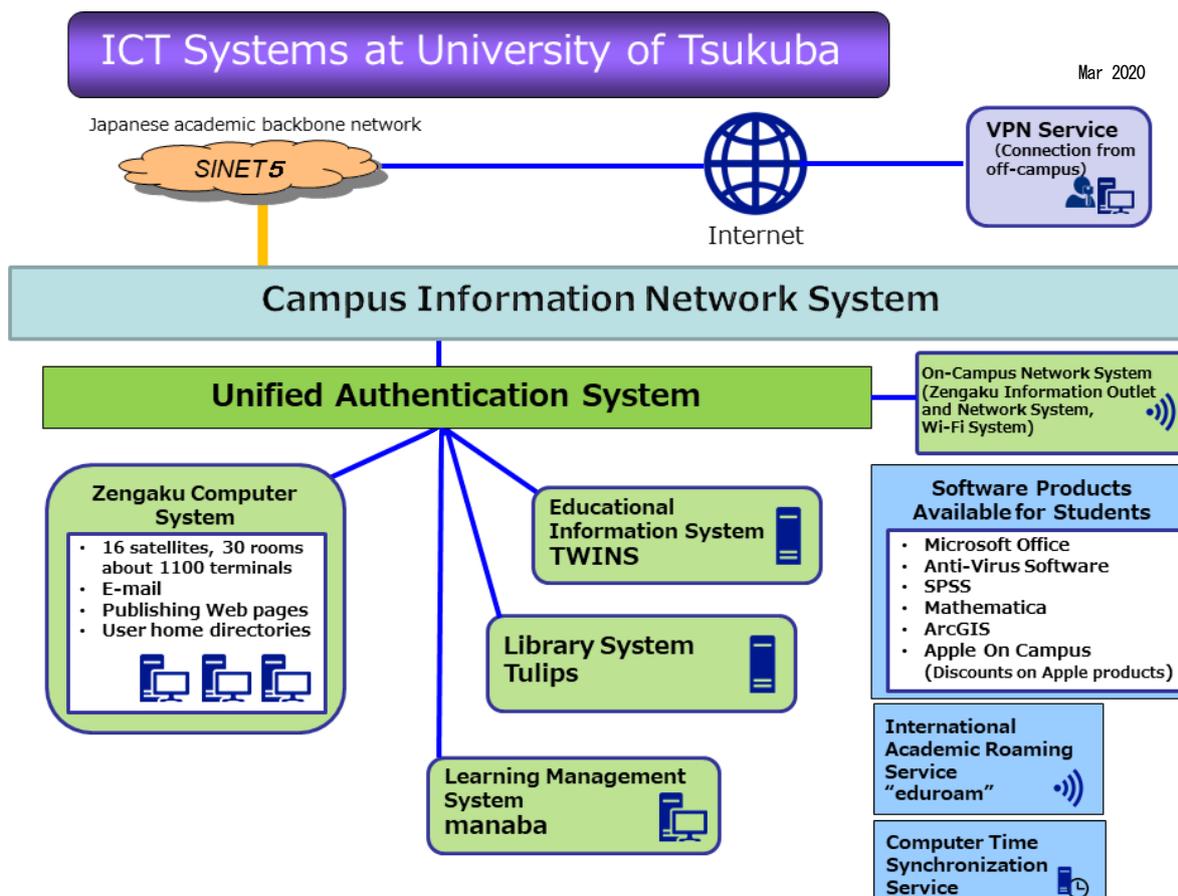
4 Overview of ICT Systems at University of Tsukuba

There are systems such as On-Campus Network System, Zengaku Computer System, Educational Information System (TWINS), Library System (Tulips), Learning Management System (manaba), and Unified Authentication System that manages passwords of these systems at University of Tsukuba.

You can connect your PC, tablets etc. to the On-Campus Network by Wi-Fi or by wire. The Zengaku Computer System serves more than 1000 PCs in total at satellite computer rooms in 30 locations in the university, and all students can use them. In this system, each PC works on both Windows and Linux, and users can use e-mails, publish Web pages, and use Office products. **Important notices from the university are supposed to be sent to your e-mail address managed by the Zengaku Computer System.** Members of the university can use Trend Micro Anti-Virus software, Microsoft Office, SPSS, Mathematica, ArcGIS etc. on your PC (but there are usage restrictions on each product). Moreover, a discount service, Apple On Campus, is available.

TWINS is used for registration of classes and checking grades, manaba is used for e-learning, and KdB is used for viewing syllabus.

In every case, the ID and password of the Unified Authentication System are required.



4.1 Unified Authenticaion System https://www.cc.tsukuba.ac.jp/wp_e/service/unified-authentication-system/

This system standardizes ID and the password of various computer systems in the University of Tsukuba so that students and staffs can log in by one password. Please be careful not to set the same password to other computer systems. The Unified Authentication System identify users by UTID-13 of 13-digit number. In addition, regarding the UTID-NAME, individual user names are set for some user.

●UTID-13

UTID-13 is the 13-digit number printed on the back of Student or Staff ID card.

●UTID-NAME

- for students, it is “s” followed by the last 7 digits of Student ID,
- for staffs, it is a character string like “familyname.firstname.zz”.

As for the login credentials, it depends on the system which is usable either UTID-13 or UTID-NAME to login. You can use both UTID-13 and UTID-NAME on some system.

●Registered users

Accounts of the system will be issued to Undergraduate and Graduate students, Credited Auditors, Non-degree Research students, Exchange students, Non-degree Research students affiliated with Int'l Student Center and trainees in the intensive Japanese program, Post-J.D. trainees, Visiting students, and staffs (but there are some exceptions). If you are unsure of UTID-13 and initial password, consult with the office of Academic Computing and Communications Center (ACCC).

●Password

UTID-13 and initial password will be issued along with Student or Staff ID card. Keep the (piece of paper of) initial password so as not to lose it. The initial password has an expiration date. **Be sure to change the initial password.** You can change the password on the Unified Authentication System Web Server (<https://account.tsukuba.ac.jp/>). Note that it might take some time before the change takes effect. You can also review the registered personal information on the Unified Authentication System Web Server. **Carefully manage your ID and password so as not to leak to others.**

Users can obtain a new Unified Authentication password in case they forget their password. Bring your Student or Staff ID card and come to one of the offices below:

- Academic Computing and Communications Center, Office (Phone: 029-853-2452) : weekdays 8:30-12:15,13:15-17:15
- Kasuga Satellite, Office : weekdays 8:30-12:15,13:15-16:00
- Central Library, Reference Desk (Phone: 029-853-2784) : weekdays 9:00-17:00
- Art and Physical Education Library, Reference Desk (Phone: 029-853-2878) : weekdays 9:00-17:00
- Medical Library, Main Counter (Phone: 029-853-3256) : weekdays 9:00-17:00
- Library on Library and Information Science, Main Counter (Phone: 029-859-1232) : weekdays 9:00-17:00
- Otsuka Library, Main Counter (Phone: 03-3942-6818) : Mon. 10:30-18:30, Tue.-Fri. 10:00-21:10, Sat. 11:30-19:50

☆ Inquiries about the Unified Authentication System: https://www.cc.tsukuba.ac.jp/wp_e/contact/
(Select “Unified authentication system” for the Category.)

Systems where the Unified Authentication is required (as of March 2020)

Name of the system	ID
Unified Authentication System	UTID-13
On-Campus Access Points (Zengaku Information Outlet and Network System, On-Campus Wi-Fi System, VPN Connection Service)	UTID-13
Zengaku Computer System (including @u and @s e-mails)	UTID-NAME
Library System (Tulips)	UTID-13 or UTID-NAME
Learning Management System (manaba)	
Educational Information System (TWINS)	UTID-13, UTID-Name, or Student ID
Software Distribution and Management System (Download Station)	UTID-13

Please note that eligibility varies on the system. Thus registration with the Unified Authentication System does not necessarily ensure that the user will be eligible to use any particular system. Check notices and the Web site etc. of each system when using.

4.2 Connecting to the On-Campus Network

You can connect your PC or tablet etc. to the On-Campus Network using information outlets in lecture rooms, or Wi-Fi access points. You must install anti-virus software in your PC etc. To connect, you need to have a UTID-13 and a password.

Please obtain the latest information from the Web page below:

https://www.cc.tsukuba.ac.jp/wp_e/service/notice

Notes on using the Access Point Connections:

- Users should observe the University of Tsukuba Academic Computing and Communications Center Access Point Usage Regulations.
https://www.cc.tsukuba.ac.jp/wp_e/wp-content/uploads/accessE.pdf
- Please install anti-virus software on the computers connected to the university network. Our university provides a Trend Micro anti-virus software product at no additional cost.
- Use of peer-to-peer file sharing software (such as Xunlei, BitTorrent, µTorrent, Limewire, Cabos, WinMX, Share, Winny, etc.) is prohibited. If you want to use it for legitimate reasons such as research, you need to apply to the Network Management Committee.
- A firewall system is set up for the safety and security of the access point users in order to screen and detect virus-infected computers or inappropriately used terminals. The system records information regarding the sender, the receiver, the time the communication began, the duration of the communication, and the volume of information transmitted, and utilizes the information to detect unauthorized use. The content of communication is never recorded.

☆ Inquiries about Access Points: https://www.cc.tsukuba.ac.jp/wp_e/contact/
(Select “Network systems (including Access Points)” for the Category.)

4.2.1 On-Campus Wi-Fi System https://www.cc.tsukuba.ac.jp/wp_e/service/wireless/

Users who have personal computers equipped with Wi-Fi connectivity (compatible with IEEE802.11a/b/g) can get connected with the on-campus network system at almost all lecture rooms and cafeterias. If the driver software of the network device is old, you may not be able to connect the access point.

Presetting

- Set to obtain an IP address automatically.

How to get connected

1. Use a web browser to access the following URL and find the passphrase which is necessary for connection. To view the passphrase, you are required to enter your UTID-13 and password. If you can only connect to the on-campus Wi-Fi system, first connect to “**utwlan-pub**”, then access the following URL with a web browser, and obtain the passphrase.
https://www.cc.tsukuba.ac.jp/network/access/member_only/pass.html
2. Search available wireless networks and select “**utwlan-w**”. Use the following Wi-Fi security settings.
Security: WPA2 personal
Encryption: AES
Passphrase: Use the passphrase obtained in 1.
3. When you start a web browser, it is redirected to a page where you will select a language. Follow a link to the English or Japanese page.
4. Read the note carefully and click the “I agree” button.
5. In the dialog box, enter your UTID-13 and password, and click the “login” button. You will get connected with the On-Campus Network System.

In addition to the above, you can also connect to **utwlan-x** (via 802.1X authentication, this is on a test operation). Please refer to https://www.cc.tsukuba.ac.jp/wp_e/service/wireless-x/ for details.

Room 207 at the Academic Computing and Communications Center (ACCC) building is open for users of On-Campus Wi-Fi System, also accepting questions about how to get connected on the system.

4.2.2 Zengaku Information Outlet and Network System https://www.cc.tsukuba.ac.jp/wp_e/service/wired/

Some of information outlets in the lecture rooms etc. are operated as the Zengaku Information Outlet and Network System. Your PC needs to be equipped with 10Base-T/100Base-TX/1000Base-T wired LAN interface. The following table shows locations of information outlets.

Area	Location
Central Area	Lecture rooms at 1E Building, 2C Building, 2D Building, 3A Building and 3B Building, Lecture Hall at Laboratory of Advanced Research A, Lecture Hall at Laboratory of Advanced Research B
South Area	Lecture rooms at 5C Building, 30 th Anniversary Hall, Lecture Hall at Laboratory of Advanced Research D
Kasuga Area	Union of Library and Information-media Studios, Welfare Facilities, Lecture rooms at 7A Building, Kasuga Auditorium
Otsuka Area	Lecture rooms, Lounges, Student Hall at Bunkyo School Building (Green Outlet)

Presetting

- Set to obtain an IP address automatically.

How to get connected

1. Connect one end of the LAN cable to your PC's LAN interface and the other end to the information outlet.
2. When you start a web browser, it is redirected to a page where you will select a language. Follow a link to the English or Japanese page.

3. Read the note carefully and click the “I agree” button.
4. In the dialog box, enter your UTID-13 and password, and click the “login” button. You will get connected with the On-Campus Network System.

4.2.3 Other Networks

There are numerous Wi-Fi access points on campus. For information on how to use Wi-Fi access points other than utwlan-pub, utwlan-w, and utwlan-x, please ask the respective administrators.

For information on how to use information outlets installed at laboratories etc, please ask the staffs of each laboratory, or Sub-network Administration Committee (SAC). For more information on SAC, please refer to the chart of the Organization for Information Infrastructure (OII) on the OII website (<https://oii.tsukuba.ac.jp/en/>). Use the menu as follows: “INFORMATION SECURITY (CAMPUS ONLY)” > “Organization structure of information security” > 「全学及び部局等の情報セキュリティ関係委員会等 (Information Security Committee Chart)」.

4.3 Overview of Zengaku Computer System

Both Windows and Linux are available on more than 1000 PCs at satellite computer rooms in 30 locations in the university. Users can use e-mails, publish Web pages, and use Office products on the Zengaku Computer System. Users’ files are managed centrally and can be accessed from any PC in any satellite computer room. Users can send print requests to printers from everywhere and output it. To make a print-out you must place your Student or Staff ID card over an authentication PC (on-demand terminal).

Opening hours depend on satellite computer rooms. Each room is basically available when not being used in class. Some rooms require a Student or Staff ID card to enter.

For more information on how to use the Zengaku Computer System, please refer to the Chapter 8 of this guide or the Zengaku Computer System website (<https://www.u.tsukuba.ac.jp/>) etc.

☆ Inquiries about the Zengaku Computer System: <https://www.u.tsukuba.ac.jp/en-contact/>

4.3.1 Satellite Computer Rooms <https://www.u.tsukuba.ac.jp/en-satellites/>

Area of Location	Satellite [Opening Hours]	Room	Number of terminals	
Central Area	2D Satellite [24 hours]	2D201	20	
		2D202	101	
		2D203		
		2D204		
	2A Satellite [07:00-21:00 (WD) 07:00-19:00 (WE&PH)]	2A303	15	
		2A304	23	
	Bunshu Satellite [24 hours]	8B201	28	
	3K Satellite [24 hours]	3K203	40	
	3D Satellite [24 hours]	3D207	46	
	Central Library Satellite [Library's opening hours]	2F Communication room	2F Reading room	17
			2F Reading room	66 (1)
		3F Reading room	6	
		4F Reading room	6	
5F Reading room		6		

Numbers in () in the "Number of terminals" indicates the number of terminals for people with visual and hearing disabilities.

Opening hours in the table are as of March 1, 2020.

WD = Weekdays, WE&PH = Weekend and Public Holidays

Area of Location	Satellite [Opening Hours]	Room	Number of terminals
Central Area	1C Satellite [08:00-22:00 (WD)]	1C206	45
	1D Satellite [08:00-22:00]	1D301	81
South Area	Academic Computing and Communications Center Satellite*1 [08:20-22:00 (WD)]	A203	51
		A207	10
		B205	66
South Area	Art and Physical Education Library Satellite [Library's opening hours]	B206	54
		Audio-visual room	41 (1)
West Area	Medical Satellite [24 hours]	4A402	26
	Medical Library Satellite [Library's opening hours]	4B212	62
West Area	Medical Library Satellite [Library's opening hours]	Computer room	42(1)
Kasuga Area	Kasuga Satellite [08:00-22:00 (WD) 08:00-19:00 (WE&PH)]	7C102 (Lab I)	76
		7C103 (Lab II)	28
		7C202 (Lab III)	71
	Library on Library and Information Science Satellite [Library's opening hours]	1F Reading room Kasuga Learning Commons	17 (1)
Tokyo Campus	Tokyo Satellite	4F 454	20
	Otsuka Library Satellite [Library's opening hours]	B1	11(1)

*1 In the Academic Computing and Communications Center (ACCC) Satellite, computer room users must leave the ACCC building before 22:05, as the entrance to the building closes automatically at this time.

Notes on satellite computer rooms:

- **Drinking and eating** in computer rooms **are prohibited**.
- Please do not bring wet umbrella into computer rooms.
- Except for permitted devices such as satellite terminals and projectors, **do not use power taps and outlets** in computer rooms. Do not remove connected plugs etc. without permission.
- Computer rooms may be unavailable during maintenance. Maintenance schedule will be informed on the Zengaku Computer System website.

4.3.2 Accounts of the Zengaku Computer System

Users of the Zengaku Computer System are required to have the UTID-NAME and Unified Authentication Password. Almost all students and faculty members can use the system without applying for it, while for other staffs accounts are issued only if a necessity is confirmed. Users cannot use the system after graduation, completion of studies, or retirement. When you advance to a graduate school from a college, your UTID-NAME will change and you will not be able to log in with the previous account, therefore you will need to backup your data and make e-mail forwarding setup before the graduation (the e-mail forwarding will be performed for up to 180 days after graduation).

Eligibility

Category	Remarks
Undergraduate students Graduate students swCredited Auditors Non-degree Research students Exchange students Non-degree Research students affiliated with Int'l Student Center Trainees in the intensive Japanese program Post-J.D. trainees Visiting students	Eligible from entrance until graduation without applying for it. 8 digits UTID-NAME, consisting of "s" and the last 7 digits of the Student ID Number, and Unified Authentication Password are required.
Short-term students (e.g. short-term study program participants etc.)	A person in charge from the accepting department/school needs to contact Academic Computing & Communications Center.
Faculty members (Full-time) Researchers (Full-time)	Eligible without applying for it. UTID-NAME and Unified Authentication Password are required.
Educational staffs (Non-Full-time) (e.g. Specially Appointed Professors, Cooperative Graduate School Program, Non-Full-time Lecturers, Non-Full-time Researchers, etc.) Professors Emeriti	It is necessary to apply. Please refer to the following. https://www.u.tsukuba.ac.jp/en-account/#form

4.3.3 E-mail <https://www.u.tsukuba.ac.jp/en-email/>

The university sends official and important messages to the e-mail address described below. Please check your e-mail box regularly. You can set up forwarding e-mails from this e-mail address to another e-mail address.

E-mail address

The rule of e-mail address depends on the user, and then available software and settings depend on the e-mail address. Students enrolled in or after FY 2017 are supposed to use e-mail addresses of the form UTID-NAME@s.tsukuba.ac.jp (student's UTID-NAME is "s" + last 7 digits of the Student ID Number).

- Students enrolled in or after FY 2017 ⇒ "UTID-NAME @s.tsukuba.ac.jp"
(e-mails sent to ...@u.tsukuba.ac.jp are automatically redirected to ...@s.tsukuba.ac.jp)
- Students enrolled in or before FY 2016 ⇒ "UTID-NAME @s.tsukuba.ac.jp", and
"UTID-NAME@u.tsukuba.ac.jp" (both addresses are available)
- Others (Faculty, etc.) ⇒ "UTID-NAME@u.tsukuba.ac.jp"

E-mail usage and mailbox quota (upper limit)

Users can use e-mail anywhere through Web mailer with a web browser. If you want to use e-mail from an e-mail software such as Outlook or Thunderbird or other web mailer (Gmail etc.), please refer to <https://www.u.tsukuba.ac.jp/en-email-s-client/> for @s address, or <https://www.u.tsukuba.ac.jp/en-email-u-client/> for @u address.

E-mail address	Web mailer URL	E-mail tool	Quota
@s address (...@s.tsukuba.ac.jp)	https://cloudmail.u.tsukuba.ac.jp	Office 365 Exchange Online	100 GB
@u address (...@u.tsukuba.ac.jp)	https://wmail.u.tsukuba.ac.jp	Active! mail	5 GB

To check your mailbox usage, please refer to the "Confirming mailbox usage / How to move your e-mail data to another location" page (<https://www.u.tsukuba.ac.jp/en-email-backup/>).

Notes on using e-mail:

- Since an e-mail is sent through various networks, there is an inherent possibility of it being snooped or being lost in the process. **You should not exchange individual information such as your bank account number, credit card number, and password through e-mails.**
- Your e-mail should have a simple title or subject so that its content can be understood at a glance.
- It is not possible to delete an e-mail you sent to the wrong address. Check the destination and make sure to spell the e-mail address correctly before posting.
- Since various types of terminals are connected to the Internet, some symbols such as Roman numbers or non-alphabet characters are not correctly displayed, depending on environment. Thus, do not use such characters when writing an e-mail. For similar reasons, avoid using half-width character.

4.3.4 Publishing Web pages <https://www.u.tsukuba.ac.jp/en-publishing/>

To publish Web pages on the Web server (www.u.tsukuba.ac.jp), please apply from the "Publishing Web Content" page (<https://www.u.tsukuba.ac.jp/en-publishing/>) on the Zengaku Computer System website. You need to agree with the guidelines displayed during the application procedure. You can also see the guidelines on the "System Guideline" page (<https://www.u.tsukuba.ac.jp/en-guideline/>).

When you put Web contents in the **www** or **wwws** directory under your home directory, the contents will be published. For details on the specific location of **www** and **wwws** directories and URL, please refer to the "Publishing Web Content" page (<https://www.u.tsukuba.ac.jp/en-publishing/>). **Once files are placed in the **www** or **wwws** directory, those files will be released to the whole world and can be viewed by anyone**

(except for access restricted parts). Please only put files that you certainly want to publish.

For access restriction make a directory named `local_only` somewhere in `www` or `wwws`. Content placed in `local_only` directory can be viewed only from terminals of the Zengaku Computer System (including remote desktop). Note that it is difficult to prohibit browsing of the contents placed in the `www` or `wwws` directory.

4.3.5 Structure of File System and quota (upper limit)

Mailbox and user home area have different capacity restrictions in the Zengaku Computer System.

User home area <https://www.u.tsukuba.ac.jp/en-disk/>

A user home area is divided into two areas: a user data area where files created by applications are stored, and an area where Web content is stored. The upper limit of the home area which consists of user data and Web content is 5 GB, and can be increased to 10 GB by applying for it. To check your disk usage and how to apply for increasing, please refer to the “Disk Usage/Extension” page (<https://www.u.tsukuba.ac.jp/en-disk/>).

It may be possible to recover deleted data by mistake in the Zengaku Computer System. For details please refer to the “Recovery of Deleted Data” page (<https://www.u.tsukuba.ac.jp/en-snapshot/>).

Besides home area, there is a temporary bulk storage which can temporarily be used as an area shared by all users. For more information please refer to the “Temporary Bulk Storage” page (<https://www.u.tsukuba.ac.jp/en-pool/>).

Users can install an online storage client software such as OneDrive (Microsoft)、iCloud (Apple)、Google Drive (Google)、Dropbox (Dropbox), but when synchronizing on the Zengaku Computer System, you should be careful for the capacity difference. When data on online storage are synchronized with your home area of the Zengaku Computer System, the usage may reach the upper limit without noticing it, and causes trouble such as losing your files. We recommend that you do not use it synchronously on the Zengaku Computer System but only upload and download through a browser.

Object	Appearance on Windows	Appearance on Linux	Quota
User data	Z: drive	/home/UTID-NAME/	5 GB (can be increased to 10 GB)
Web content http://www.u.tsukuba.ac.jp/~UTID-NAME/ https://www.u.tsukuba.ac.jp/~UTID-NAME/	www and wwws folders under W: drive	/home/UTID-NAME/www → /www/UTID-NAME/www /home/UTID-NAME/wwws → /www/UTID-NAME/wwws	

4.3.6 Printing

Satellite computer rooms have printers which can perform both color printing and monochrome printing. When you print, start the printing job from a PC and operate an authentication PC (on-demand terminal) near a printer to output. You need to have your Student or Staff ID card to print.

You can print from any satellite computer room printer regardless of where you requested printing. For example, it is possible to send a print request from a PC in Central Library Satellite and go to another satellite (eg. 1D Satellite) and print it.

You can also send a PDF file to the Zengaku Computer System from your PC which is connected to the Internet, and print it by operating an authentication PC (on-demand terminal) in a satellite computer room. For details please refer to the “Web print service” page (<https://www.u.tsukuba.ac.jp/en-pdfupload/>).

Print Quota (upper limit) (one year from April to next March)

The number of prints a student can make per year varies depending on the school/department he or she belongs to. One color print is counted as five monochrome prints. Remaining pages are displayed when logging in to a satellite terminal, and can also be confirmed from the “Print Management” page (<https://www.u.tsukuba.ac.jp/en-print-limit/>).

If you are out of print sheets, consult with the head of your affiliation. Keep in mind that you can save print sheets by using printout preview, print only the page you need, use layout printing and so on.

Even if you are out of print sheets, you can print with a pay printer located in campus shop at your own expense. Select pay printer in the drop button list at printing operation by a PC in a satellite computer room. To start printing, insert a transportation IC card into the IC card reader beside the pay printer. Please refer to the ”LAUNCH OF CHARGED PRINTING SERVICE” page (https://www.u.tsukuba.ac.jp/en-printing/en-charging_printer/) for details.

How to use a printer

When you send a print job from an application, it will show you the print menu (Figure 1).

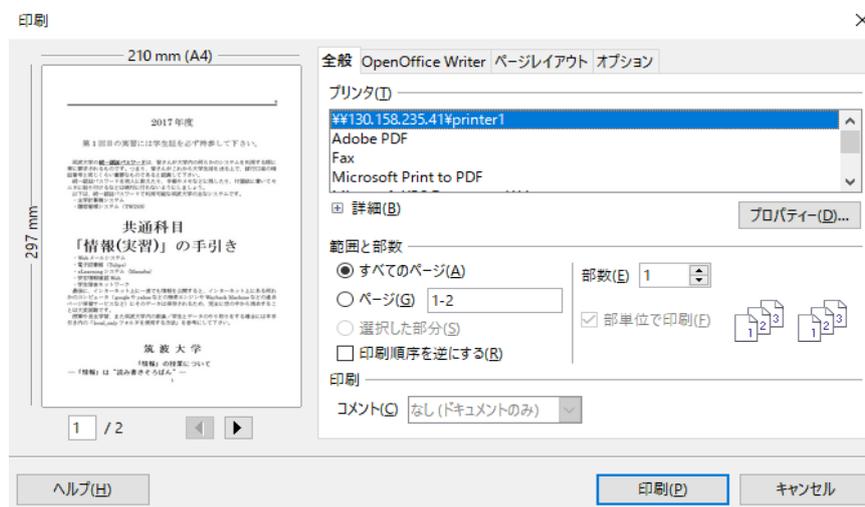


Figure 1 Print Menu

Click the pulldown-menu with printer name displayed, choose the printer and set printing range and number of copies. If necessary, change settings such as one side/ both sides, “2 in 1”, etc., by clicking “properties.” The print job is sent to the printer by clicking “print (P).” After you click, move to an authentication PC (on-demand terminal) installed near a printer (Figure 2). In the case the printer is not available due to some trouble, you can use a different printer by using another authentication PC (on-demand terminal) in another satellite computer room.



Figure 2 Authentication PC (On-demand Terminal)

When you touch the screen of the authentication PC (on-demand terminal), the initial screen like below (Figure 3) appears. You can select the language with the button on the upper right.



Figure 3 Initial Screen

Hold your Student or Staff ID card on the card reader beside the screen (Figure 4). There is no need for typing your username or password.



Figure 4 Card Reader

If you succeed in authenticating, you will see a list of print jobs (Figure 5). Printing starts by touching the [Print] button at the same height as the jobs you want to print.



Figure 5 List of Print Jobs

In addition, the settings such as the number of copies, color or monochrome, single-sided or double-sided can be changed from the screen of the authentication PC. If you touch the [Setting] button instead of touching the [Print] button, the setting screen will be displayed (Figure 6). You can change the settings or number of copies by touching the items that you want to change.

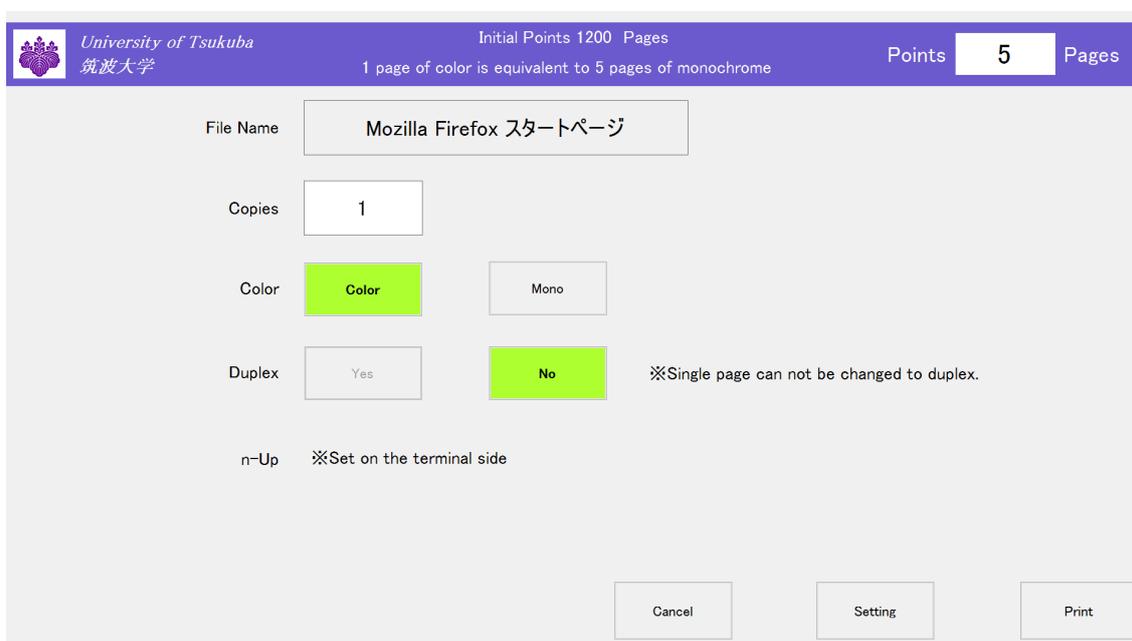


Figure 6 Changing Settings

After changing the settings, touch the [Setting] button, then it will return to the previous screen (Figure 5). To start the printing process, touch the [Print] button.

Note: It is confirmed that even if you send a print job in monochrome from Word, the on-demand terminal might handle it as a color data. This problem seems to be related to the specs of Word. For more details, please refer to the FAQ page of the Zengaku Computer System website. (<https://www.u.tsukuba.ac.jp/en-faq/>)

4.4 VPN Connection Service https://www.cc.tsukuba.ac.jp/wp_e/service/vpn

When the user attempts to connect a personal computer to a “university-only” (or accessible only from on-campus network) websites from an off-campus location via an internet provider, generally the web pages cannot be viewed. There are other services operated by a server at the university that cannot be used from an off-campus location. By using the VPN connection service, you can use same services as in the university by making a connection from an off-campus location look like a connection within the university network virtually.

Since the usage of the VPN connection service depends on the equipment and the operating system, please refer to the "Manual" on the following Web page:

https://www.cc.tsukuba.ac.jp/wp_e/service/vpn

4.5 International Academic Roaming Service “eduroam” https://www.cc.tsukuba.ac.jp/wp_e/service/eduroam/

Eduroam is a world-wide roaming service which provides wireless LAN network access for the international research and education community. The University of Tsukuba has joined eduroam since August 2014., so members of the university can use local wireless networks with their own devices when visiting other participating institutions.

To be eligible to use eduroam, you need to obtain “eduroam ID” and “eduroam password” before visiting a participating institution.

- Obtaining an eduroam account: before visiting
Obtain “eduroam ID” and “eduroam password” from the Web page of the eduroamJP Federated ID Service (<https://federated-id.eduroam.jp/>). Set an expiration date of the account up to 12 months.
In addition, we do not allow issuing visitor ID (acquiring IDs of people other than yourself).
- When accessing eduroam when visiting a participating institution (https://www.cc.tsukuba.ac.jp/wp_e/service/eduroam/)
 - 1) The SSID is “**eduroam**”.
 - 2) Set “**WPA2-Enterprise**” for Security, “**AES**” for Encryption Method, and “**PEAP**” for Authentication Method.
 - 3) Set not to validate server certificate.
 - 4) Select “**eduroam**” from the list of connectable networks, input “eduroam ID” for Username, and input “eduroam password” for Password.The above is the standard settings of eduroam, but it may be different depending on the environment of the visiting institution.
- When visitors use eduroam within the University of Tsukuba (https://www.cc.tsukuba.ac.jp/wp_e/service/visitor/)
 - 1) The SSID is “**eduroam**”.
 - 2) Set “**WPA2-Enterprise**” for Security and “**AES**” for Encryption Method.
 - 3) Set not to validate server certificate.
 - 4) Select “**eduroam**” from the list of connectable networks, input “eduroam ID” for Username, and input “eduroam password” for Password.

4.6 Other Network Services

Academic Computing and Communications Center (ACCC) operates an NTP server to provide accurate timing reference, and offers a DNS cache service for network devices connected at the University of Tsukuba to enable name retrieval on the internet.

The NTP server for users to synchronize clocks is as follows:

Host name: timeserver. cc. tsukuba. ac. jp

The IP addresses for the DNS cache service are as follows:

IP address: 130. 158. 68. 25, 130. 158. 68. 26

Please note that if the user's setting is "Automatically acquire DNS server address" in the Access Point Connections of 4.2.1 or 4.2.2, the above is set automatically as the DNS server.

4.7 Available Software on Individual PC https://www.cc.tsukuba.ac.jp/wp_e/service/software-license/

Members of the University of Tsukuba can use Trend Micro anti-virus software and software such as Microsoft Office at no additional cost on individual PCs (but there are some restrictions depending on each). Students and faculty and staffs can usually purchase academic versions when purchasing software, moreover you can also use a discount service, Apple On Campus, offered for members of the university only. The following are representative examples:

- Trend Micro anti-virus software (PC / smartphone)
- Microsoft Office
- SPSS
- Mathematica
- ArcGIS
- Apple On Campus (discounts on Apple products)

Please check the terms of use from the Web page below:

https://www.cc.tsukuba.ac.jp/wp_e/service/software-license/

5 TWINS Operation Guide for Students

TWINS is a nickname of the educational information system of the University of Tsukuba. Its official name is "Tsukuba Web-based Information Network System". Students can register courses and confirm their academic assessment via this system.

5.1 Login / Logout

In order to access the system, please type in the following URL onto a web browser (e.g. Internet Explorer).

<https://twins.tsukuba.ac.jp/>

Login Screen

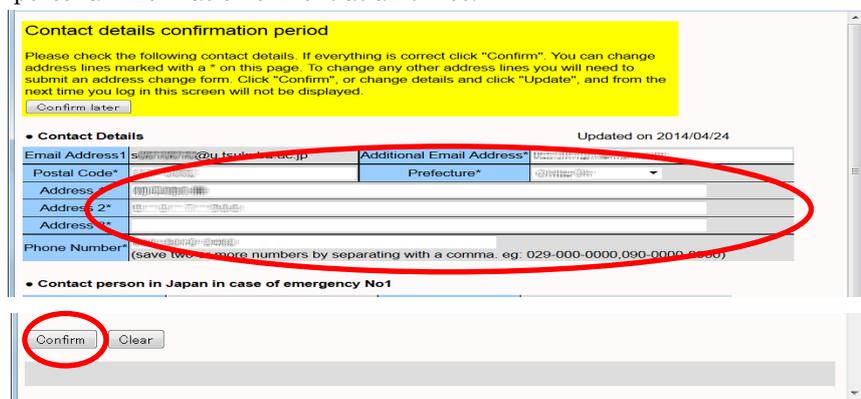
At the screen below, you can choose to view the webpage in Japanese or English. Enter your ID number for the username, and for the password enter your password for the Unified Authentication System password, then click on the "Login" button. If you do not know your password, visit an Academic Computing and Communications Center or the Library, and ask them to reset it. You will need your student ID card when you go to the office.



To exit the operation, click on the "Logout" button.

5.2 Confirmation of Contact Details

When the next contact details confirmation screen appears, look over your contact information to make sure it is correct, then click on the "Confirm" button at the bottom of the screen. Until it is confirmed, the automated certificate issuing machine will reject any issuance of certificate. You will be able to update your contact details any time on the personal contact information screen. The university will contact you using the information. Therefore, please keep your personal information current at all times.



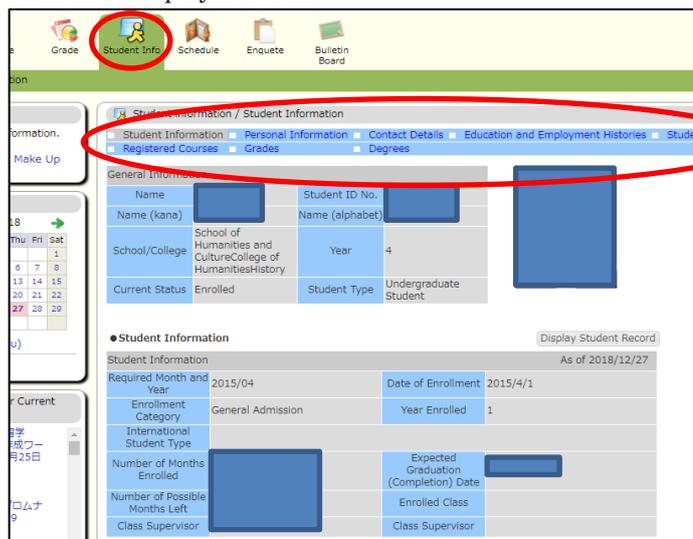
For changes in emergency contacts or permanent address in your home country, please go to the Student Support counter in the Academic Service Office. Among Undergraduate students, the grade notification will be sent out after the C module's

semester ends to your home country's address (ONLY in Japan). If it is not necessary to send the notification to your home country, or under special circumstances you would like to send the notification to a different address, please contact the Academic Record Management Section in Division of Educational Promotion, or the related Academic affairs counter in the Academic Service office.

5.3 How to View Your Own Student Information.

To view your various records on TWINS, follow the procedures as shown on the screen below. Select the menu "Student Info" → "Student Information".

Records such as your transfer information (e.g. leave of absence), or scholarship / tuition waiver will also be displayed there.

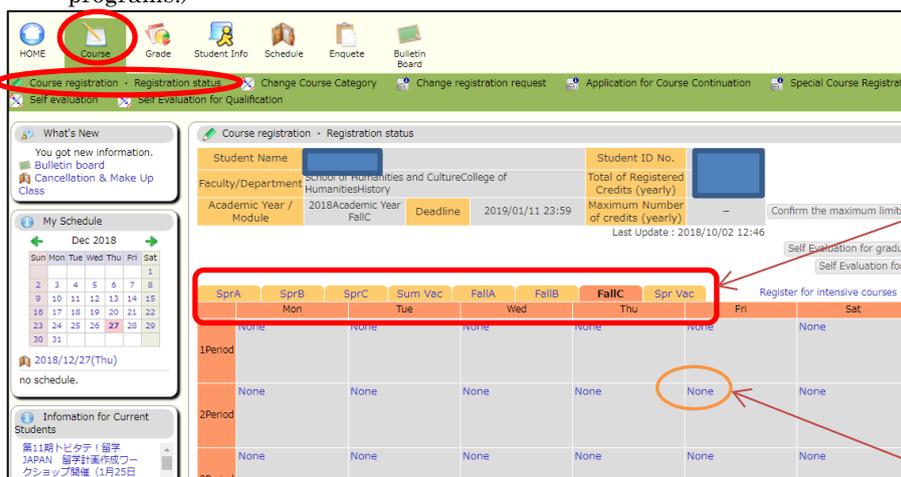


If you switch between tabs you can view different information. .

5.4 "Course Registration" and "Cancellation"

Select "Menu" → "Course" → "Course registration · Registration status" to get to the Course registration page. Note: Please keep in mind that you have to meet the deadlines for the registration.

(Functions of self-evaluation for graduation / qualifications are not available in the current programs.)



These tabs show modules.

On the module that shows the dates and times a course is offered, click on the "None" button. When course registration screen appears, enter the course code (course number), and click on the "Register" button.

Course registration - Registration status

Enter course code for course registration

Day	Others
Period	Others
Course Code	<input type="text"/>

If unknown, you may search by [Course Search](#)

Register Clear Go back

If you do not know the course code (number), click on the "Course Search" link.

"Course Search" is as follows:

You can search for classes by entering the first 2~4 alphanumeric characters of a subject code, or by entering the middle 2~4 consecutive alphanumeric characters of a subject name or professor's name. When you click on the "Search" button, the search results will be displayed near the bottom, click on the course title you want to register.

Course registration - Registration status / Course Search

Course Search

Academic Year: 2017

Course Code: Course Title: Instructor:

Term: not specified Semester: not specified

Day: not specified Period: not specified

Module: not specified Regular year level of course: not specified

Search Clear

Click on a course title to go back to the Summons screen for that course.

Display Order: By Course Code

Shows search results from 1 results to 10 results (total of 102 results)

No.	Term	Module (day/period)	Course Code	Course Title	Instructor	Course Affiliation	Regular year level of course
1	Spring Semester	SprA - SprB - SprC(MonK)	1101112	Freshman Seminar	Naoki Kuwabara	School of Humanities and Culture	1
2	Spring Semester	SprA - SprB - SprC(MonK)	1101122	Freshman Seminar	Toru Nakanome	School of Humanities and Culture	1
3	Spring Semester	SprA - SprB - SprC(MonK)	1101132	Freshman Seminar	Yutaka Miyake	School of Humanities and Culture	1
4	Spring Semester	SprA - SprB - SprC(MonK)	1101142	Freshman Seminar	Hisaharu Shimada	School of Humanities and Culture	1
5	Spring Semester	SprA - SprB - SprC(MonK)	1101152	Freshman Seminar	Yuji Ushiro	School of Humanities and Culture	1

Cancel registered courses:

When the registration is completed, the course title, the course code (number), and the main instructor's name will be displayed on the time schedule.

To cancel the registration, click on the course number you want to cancel.

The confirmation screen will appear. Click on "Delete" button to complete the cancellation.

Note: Please conduct the course cancellation within the given period of each course registration.

Grade Student Info Schedule Enquete Bulletin Board

Registration status Change Course Category Change registration request Application for Course Confirmation Self Evaluation for Qualification

Course registration - Registration status

Student Name: Student ID No.: 2018011111

Faculty/Department:

Academic Year / Module: 2018 Academic Year FallC Deadline: 2019/01/11 23:59

SprA	SprB	SprC	Sum V
1Period EB50231 Plant Taxonomy III Yosuke Degawa	1Period EB50231 Plant Taxonomy Yosuke Degawa		
2Period EB51231 Plant Ecology III Mitsuru Hirota	2Period EB63031 Biodiversity Informatics		

Course registration - Registration status

You will delete from following courses: please check.

Day	Monday
Period	1Period
Course Affiliation	School of Life and Environmental Sciences
Course Code	<input type="text"/>
Course Title	<input type="text"/>

Delete Go back

Intensive course registration:

To register for intensive courses, or to register after the standard period of registration for any subject, click the module tab labeled "Register for intensive courses". To register for intensive courses, held in the summer / spring recess, select the appropriate tabs.

The registered intensive courses will appear beneath the time schedule.

Faculty/Department: School of Humanities and Culture College of Humanities

Academic Year / Module: 2018 Academic Year FallC Deadline: 2019/01/11 23:59

Total of Registered Credits (yearly):

Maximum Number of credits (yearly):

Last update: 2018/09/30 22:13

Self Evaluation for graduation/advancement

SprA	SprB	SprC	Sum Vac	FallA	FallB	FallC	Spr Vac
1Period 1B04121 Market and Society Sigeto Naka	1Period 9101311 Educational Psychology III Ichiro Ookawa						
2Period 1B04121 Market and Society Sigeto Naka	2Period 9101311 Educational Psychology III Ichiro Ookawa						
3Period 4B60321 Introduction to the Study of Religions b Atsuniko Horo	3Period 32EA012 Introduction to English Linguistics b Nobuhiro Kaga						
4Period None	4Period 32EA012 Basic German III Heselerhaus, Hertha						
5Period 31GA042 English Integrated Skills II Michael Denley Francis Stout	5Period 31EA042 English Critical Reading Strategies II Koichi Miyakoshi						
6Period None	6Period AB95341 Readings in English Linguistics (2) b Yuko Yanagida						

Intensive Courses, etc.

Day	Period	Course Code	Course Title	Main Instructor
			Not registered	

Register for intensive courses

Registration errors and cancellation

Day	Period	Course Code	Course Title	Main Instructor	Error Details

5.5 Confirm Grades

To confirm your grades, select "Grade"→"grade inquiry" .

GPA section is available only for undergraduate students who were admitted to the University from 2013.

5.6 Inquiry/ Survey

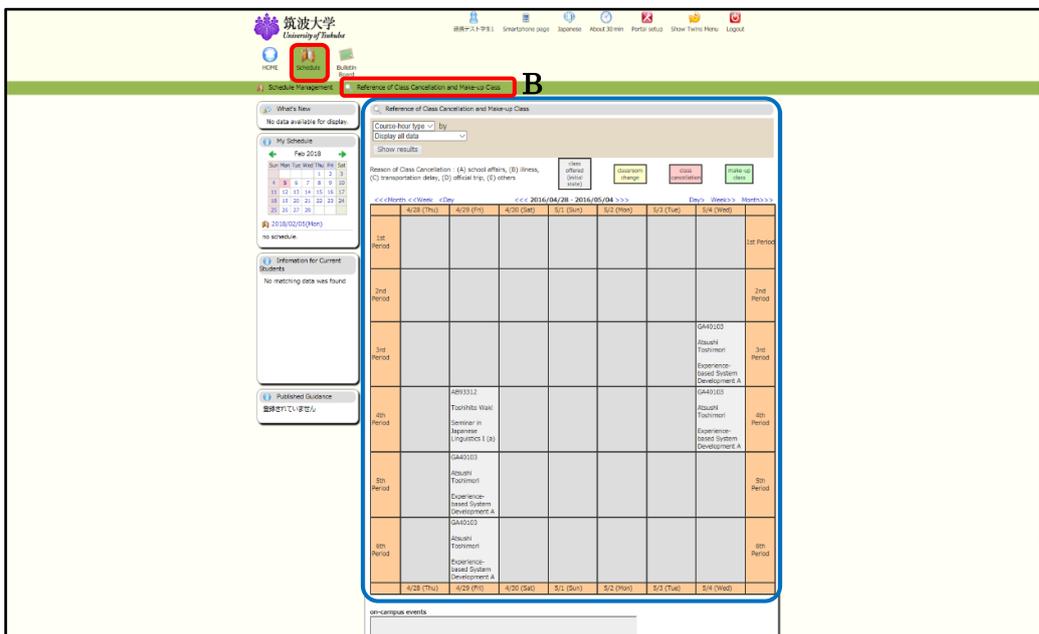
TWINS has a function that you will use to take surveys regarding your courses. When the survey becomes available, the list of surveys will appear as shown on the screen below. At that time, please provide your feedback and evaluations.

アンケート回答・集計結果照会／回答対象一覧		
2013年度		
【授業アンケート】 一般アンケートへ		
タイトル	実施期間	状態
授業に関するアンケート (量的調査法/歳森 敦/木5,木6)	2013/5/22 - 2013/7/16	回答受付中
授業に関するアンケート (コミュニティ情報論/歳森 敦/金3,金4)	2013/5/22 - 2013/7/16	回答受付中
【一般アンケート】 授業アンケートへ		
タイトル	実施期間	状態
回答対象アンケートはありません		

5.7 Schedule Screen

When you click on Schedule Management (A button), registered class schedule (including cancelled classes) can be viewed. Also by clicking "+" button on the calendar, personal schedule can be registered or deleted.

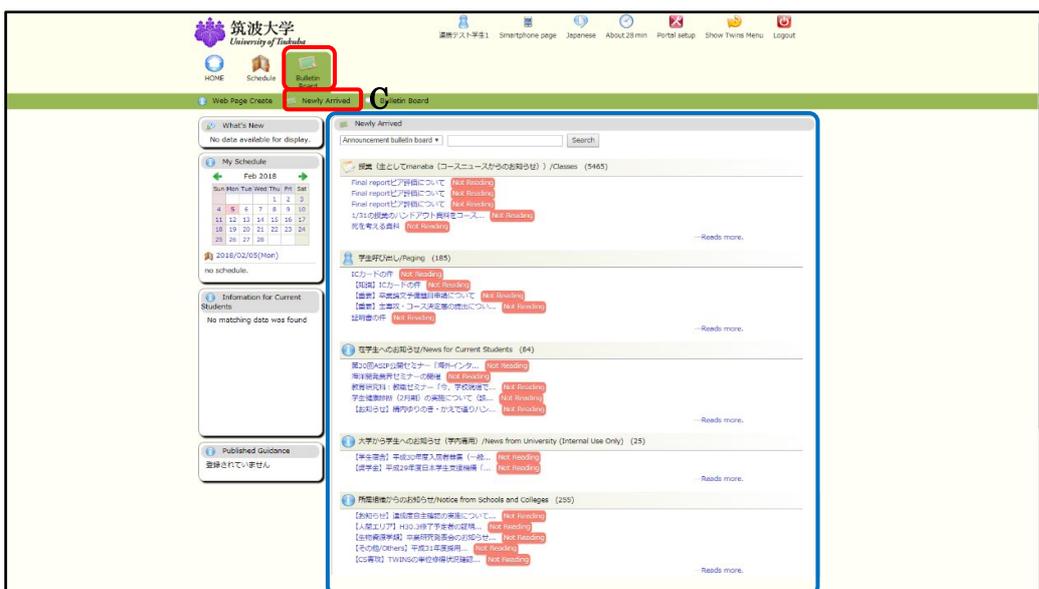
When you click on Reference of Class Cancellation and Make-up Class (B button), class schedule including cancelled classes are shown and detailed information can be confirmed by selecting an item.



5.8 Bulletin Board Screen

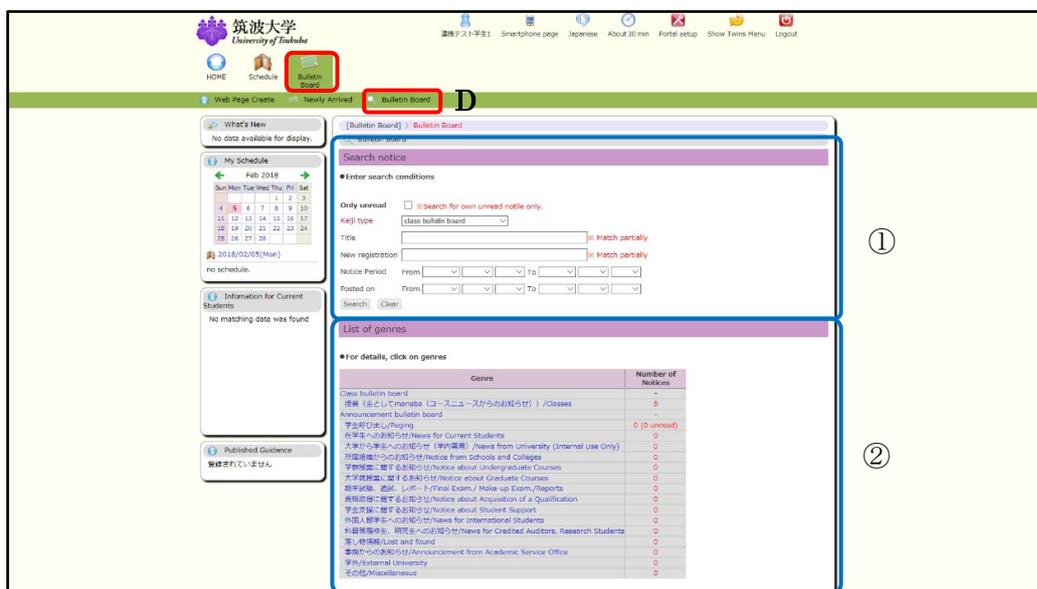
University of Tsukuba considers that all notice posted on Bulletin Board are received by students. For this reason, students do not have a right to object later with the reason that they did not see the notice. Therefore please do not forget to check Bulletin Board at least twice a day (in the morning and the evening etc.) during semesters.

When you click on Newly Arrived (C button), new information for each genre of bulletin board is displayed up to 5 cases. Displayed period of new notice is 7 days including the posted day. To see the past notice, click "Reads more" shown on the right side of the screen. Keyword search in the simple search box is also available.



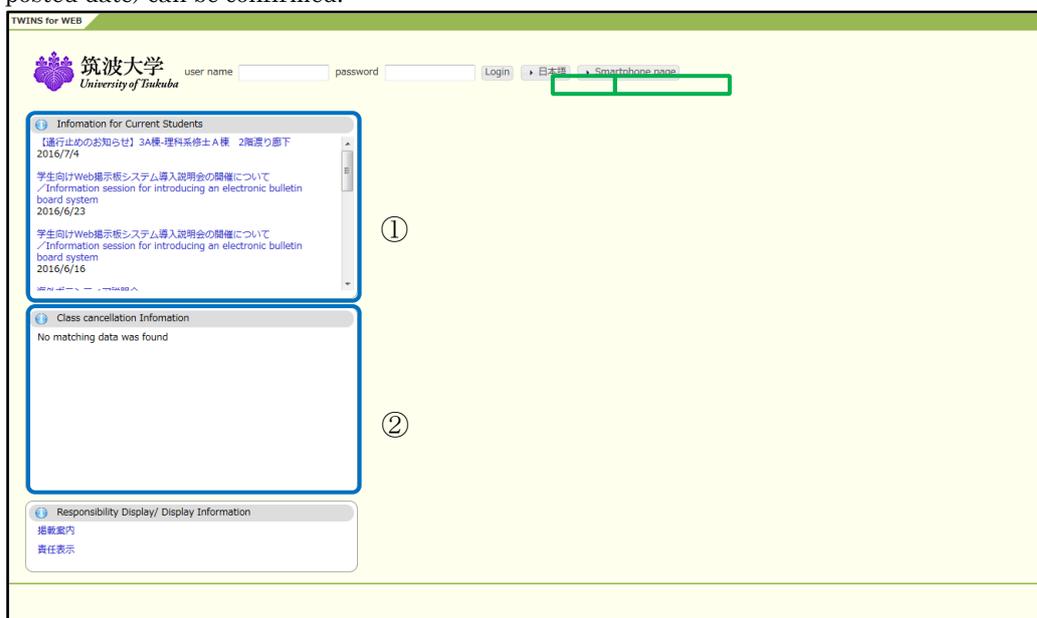
When you click on Bulletin Board (D button), ① Search Notice field is displayed and search by setting a condition is possible.

② List of Genres field is displayed and by clicking a genre name, notice registered in the genre are shown on a list.



5.8 Log-out (before log-in TWINS) Screen

①Information for Current Students and ②All Cancelled Class Information (for 8 days including the posted date) can be confirmed.



You can log in from this screen by entering your student ID number in User name field and your password for Unified Authentication System in the Password field. There are also switching buttons for "Smartphone page" and "日本語" (Japanese) on the screen.

TWINS and Bulletin Board manuals are posted on University of Tsukuba webpage,

<http://www.tsukuba.ac.jp/students/>.

Please go to Students, click Campus Web Tools, and find the manuals in Web Tools Manual section.

6 About the viewing of the syllabus by using the Curriculum Scheduling Support System (KdB)

URL <https://kdb.tsukuba.ac.jp/>

6.1 Search for the course

By using the KdB (the Curriculum Scheduling Support System), you can search for the course offered by the University of Tsukuba in a variety of conditions.

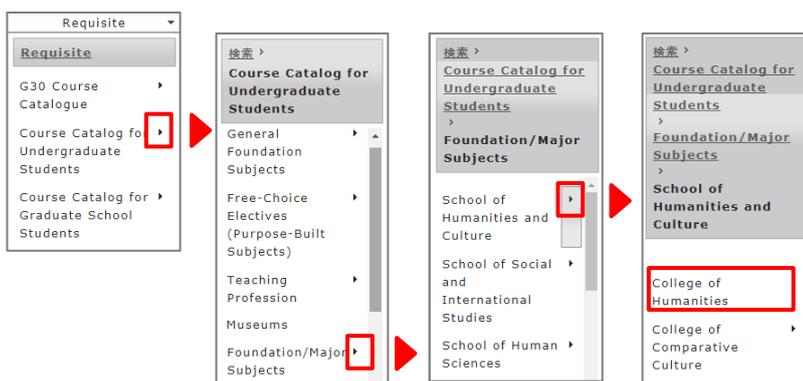
The example of Search Result [Search for the course by using the keyword “Robot”]

Course Number	Course Name	授業方法	Credits	Year	Term	Week day and Period	Classroom	Instructor	Course Overview	Remarks	Auditor
01BA009	Science in Japan II		1	1.0	1	SprAB	Wed4	3Z108	Alok Singh	Elementar...	Lectures are conducted in English.
01CK202	Intelligent Machine and Systems		1	2.0	1, 2					Lecture o...	Not open in 2017.
01CK205	Robot Manipulator Control		1	2.0	1, 2	SprAB	Tue3,4	3L207	Takashi Tsubouchi	Motion dy...	
01CK210	Autonomous Mobile Robotics		1	2.0	1, 2	FallAB	Thu7,8	3L206	Takashi Tsubouchi	Technolog...	
01CK214	Social Robotics		1	2.0	1, 2	SprAB	Wed5,6	3B303	Fumihide Tanaka	This lect...	

The courses that start with number “0” are for graduate students, and the courses that start with other numbers and alphabets are for undergraduate students.

About “Requisite”

A set of courses with a common position in a certain curriculum is called “Requisite”. In KdB, Requisite will be displayed hierarchically as the picture below.



(The case of refined in the requisite)

If you would like to refine the subject within [Foundation/Major Subjects] in [School of Humanities and Culture College of Humanities], follow [requisites] as the picture above and select [College of Humanities].

Supplementation of Term/Module, Day, Period

In regard to the basic information, please refer to [1 General Guidelines] in [Course Catalog].

<http://www.tsukuba.ac.jp/education/ug-courses/>

About the special notation for day and period.

- intensive
This is a type of course that does not depend on a specific time period, but is conducted with irregular dates.
- by appointment
This is a type of course that the instructor in charge and the student perform irregularly while adjusting the schedule.
- by request
This is a type of course that students can receive guidance (at any time) according to their needs when they perform long-term experiments and others.

6.2 Browsing the Syllabus of the Search results

You can browse the syllabus of the course displayed as search results.

The screenshot shows a search results page for courses. A callout box points to a course link in the table: "Click on the link of [Course Name], you can browse the syllabus for that course." Another callout box points to a "Download Syllabus" button: "Click on [Download Syllabus], you can download the syllabus of all courses that you selected in the search results together in PDF file." A third callout box, titled "[Information included in the syllabus]", lists the following details:

- Learning objectives and attainable goals of each course
- Lesson plan for each session
- Assessment of Academic Achievement
- References, Study methods not discussed in the class
- Working hours of offices, Contacts
- Message for students
- etc.

The detailed view of the course "1390121 Introduction to Life and Environmental Sciences" includes the following information:

- Course Overview:** This course gives a broad overview of curricula in the School of Life and Environmental Sciences.
- Remarks:** For students in Interdisciplinary Program...
- Course Type:** lectures
- Subject Category:** Life and Environmental Sciences
- Course Objectives:** To help students become critical thinkers and researchers in their respective college.
- Academic Goal:** To give students a broad overview of the three colleges in the School of Life and Environmental Sciences and faculty members and their research fields. As well as introduce students to current issues with global warming, environmental problems and other issues facing humanity today.
- Course Key Words:** Faculty, Life-and-Environmental-Sciences

6.3 About [The official version] and [The latest version] of syllabus

In regard to the courses that published the syllabus in the booklet of the beginning of the year, their contents may change due to circumstances during the year. In such case, you can refer to both the same version as the Syllabus official version published in the booklet and [the latest version] that reflects the changes in the content in KdB.

When you click on the link on [Course Name] after search the course in KdB, the official version of the syllabus is displayed first. Then, click on the link [Display the latest version] at the top left of the screen, you can see the latest version of the syllabus. Also, if you click on the link [Display the official version] at the top left of the screen of the latest version of the syllabus, return to the syllabus official version.

And there are courses that unpublished the latest syllabus in KdB.

The diagram illustrates the navigation between two versions of a syllabus for course "BC11911 Japanese Foreign Languages".

- [The official version]:** Shows a button labeled "最新版のシラバスを表示" (Display the latest version of the syllabus).
- [The latest version]:** Shows a button labeled "公式版のシラバスを表示" (Display the official version of the syllabus).
- Navigation:**
 - An orange arrow labeled "Go to [The official version]" points from the latest version back to the official version.
 - A red arrow labeled "Go to [The latest version]" points from the official version to the latest version.

For more detailed information about the way of using KdB, please refer to [the Manual of Curriculum Scheduling Support System Course catalog].

http://www.tsukuba.ac.jp/students/pdf/kdb_manual.pdf

7 Learning Management System (manaba)

7.1 Login, Logout

7.1.1 Login

To log in to the system, you need your ID and password of the Unified Authentication System. The login steps are as follows.

1. visit manaba's login page by clicking on the banner on the top page of the support site or entering the following URL directly into the browser.
<https://manaba.tsukuba.ac.jp>
2. When the login screen of the unified authentication system is displayed, enter the UTID-13 or UTID-NAME and password.
3. When login is successful, “my page” of manaba is displayed.



Support Site for manaba

7.1.2 Logout

The system does not provide the function to log out. Close all the windows and tabs of the browser completely and exit the application.

! If you do not log out properly on a shared PC, your account may be used by other users without authentication.

7.2 User Support

7.2.1 Inquiry via Email

- Contact email address: support-manaba@ecloud.tsukuba.ac.jp
- Please do not forget your affiliation and contact address in the inquiry.
- When inquiring about a problem please also specify the usage environment (operating system, web browser, etc.).

7.2.2 Support Website

<https://www.ecloud.tsukuba.ac.jp/manaba>

7.3 Initial Settings

When using manaba for the first time, be sure to make the following settings.

7.3.1 Reminder Settings

"Reminder" is a function to send update information to a mail address registered by the user when new notifications or writes are made in manaba.

Reminders

1. Click **Settings** in the upper right corner and select **Change reminder settings**.
2. Select **Receive** or **Do not receive**.
3. Enter in the Email address 1 your PC Email address that you want reminders to be sent to.
4. Enter in the Email address 2 your cellphone Email address that you want reminders to be sent to.

Individual Settings

1. Select **Receive** or **Do not receive** a message whenever course news is posted.
2. Select **Receive** or **Do not receive** a message when a new assignment is published. A reminder for a new project will be sent only to members who are assigned to teams.
3. You may choose from one of three options when a new comment is posted on a thread:
 - Receive a message when a comment is made.
 - Receive all new comments at a certain time of a day. (→ Select a preferred time from the dropdown menu.)
 - Do not receive a message.
4. Select **Receive** or **Do not receive** a message when a project is published. This reminder is only sent to the course members who belong to the team.
5. Select **Receive** or **Do not receive** a message when a new comment is made in a thread of your project.
6. Click **Save and send test email** and confirm reminders are sent to the email address you registered.

! Your own comments will not be sent as reminders.

! You will not receive messages if you choose Do not receive in the Reminders menu, even if you choose Receive in Individual Settings.

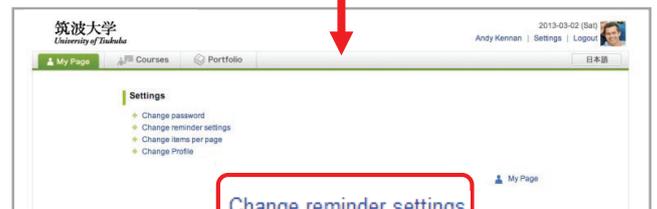
7.3.2 Profile Settings

1. Click **Settings** on the upper right corner, and select **Change Profile**.
2. Upload an image of your choice.



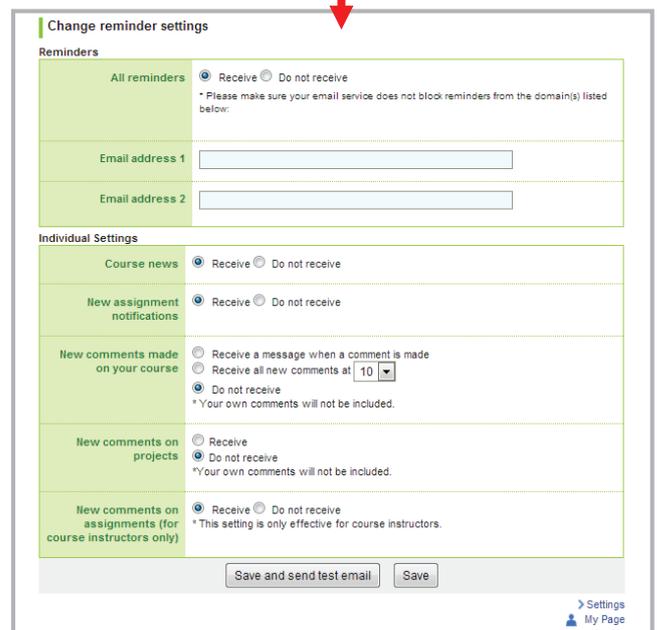
Settings

My Page

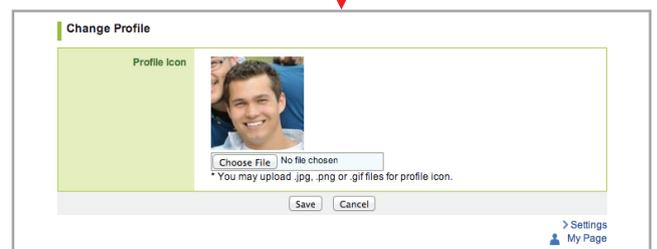


Change reminder settings

Settings page



Change Profile



Change Profile

7.4 Course Page

7.4.1 My Page

When you log in to manaba, "My Page" as shown on the right appears.

Course Page

In manaba, a space called "course page" is prepared for each course. Through the course page, you can download course materials, submit reports, and so on. On "My Page", the course page list of the courses you are currently taking is displayed.

Manual Download

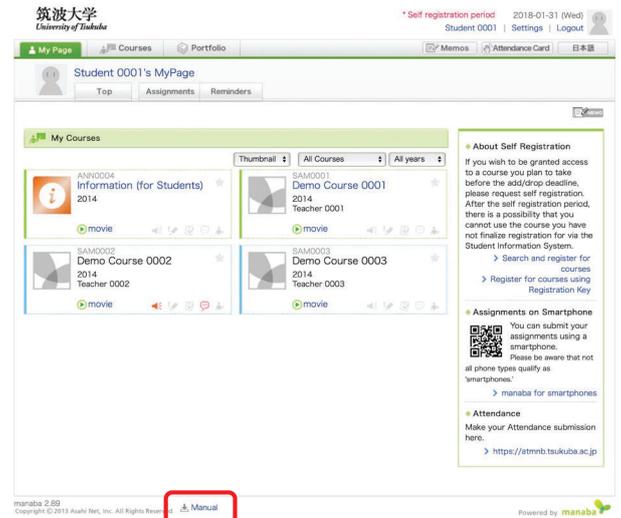
User's Manuals can be downloaded from the link written as "Manual" at the bottom of My Page (surrounded by red square in the right figure).

Course Page for Information

A special course page called "Course Page for Information" is displayed on My Page (surrounded by blue square in the right figure). Various information from the Office of Educational Cloud is uploaded to this course page.

7.4.2 Access to Course Pages

In order to view a list of courses you have been registered for, click **Courses** at the top of the screen. Click the course title and the main page of the course will be displayed.

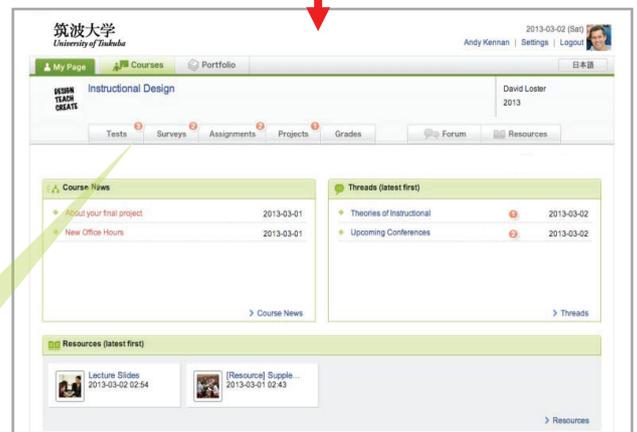


My Page



My Page

Select a course



Course page



Four icons in each course indicate the latest status of the course (icons will turn red if there is a new action).



There is unread course news.



There are unsubmitted assignments or tests.



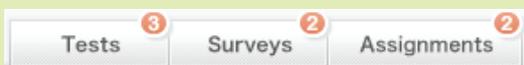
Grades have been distributed.



There are unread comments.



Number of unsubmitted tests or assignments will be displayed.



Click on the course name to go back to the course top page.

7.5 Course Registration

7.5.1 Course Registration on manaba

In order to access the course pages of the courses you are taking, you need to be registered in manaba. Usually, registration and cancellation will be automatically done in manaba by just doing the following operations.

- When you register a course in TWINS, the course page that you registered is displayed on My Page on the next day, and you will be able to access it.
- If you cancel your course registration in TWINS, the registration in manaba will be also canceled the next day, and you will not be able to access the course page.

❗ If the course page is not displayed on My Page even if you register for the course in TWINS, please contact the Office of Educational Cloud.

7.5.2 Self Registration

Normally, students do not have to register on their own course page in manaba by themselves. However, depending on the instruction of the teacher in charge, you may register by yourself. This is called "self-registration". There are two ways to self-register as follows.

Registration by searching for courses

1. Click **Search and register course** from My Page.
2. Search the course and select the course you want to register. (Here, if registration key is necessary, it will shift to registration key input screen.)
3. Check the course and click **Register**.

Registration Using "Registration Key"

1. Click **Register using registration key** from My Page.
2. Enter the registration key.
3. Check the course and click **Register**.

If you accidentally register for the course registration, you can cancel the course registration at the course top by clicking **Cancellation of Course**.

The screenshots illustrate the self-registration process in Manaba:

- My Courses Page:** Shows a grid of courses. A red box highlights the "Search and register for courses" button. A red box also highlights a "About Self Registration" notice.
- Search for Courses Page:** Shows a search form with fields for Course Code, Course Title, and Teacher. A red box highlights the "Search" button.
- Course Search Results Page:** Shows a table with one course listed. A red box highlights the course name "Sample course 0007".
- Course Registration Page:** Shows a confirmation screen with a table of course details and a "Register" button highlighted with a red box.

7.6 Various Functions (Tests, Assignments, Grades, Resources, Attendance)

7.6.1 Tests

In manaba, you can answer online tests and drills from the teacher of the course. Answer can be done by the following steps.

1. In **Tests** page, select a test you would like to take.
2. Confirm that the test is open for submission. Click **Start** to enter the test room.
3. Enter your answers to the questions.
4. Click **Next** to display the next page. It is also possible to display the preferred page by clicking the navigation buttons above the question.
5. In the final page, you will be able to click **Confirm**.
6. Click **Confirm** to display the submission confirmation page. Once the confirm button is clicked, you will always be able to click **Confirm** in any previous pages.
7. Click **Submit** to finish taking the test. If you need to check or fix your answers, click **Back**.

❗ If there are required, yet unanswered questions, the question page will be displayed instead.

The screenshot shows the 'Tests' page with a table of available tests. A red box highlights the 'Tests' button at the top. An arrow points to the 'Start' button in the 'Test Room' interface. Another arrow points to the 'Submit' button in the 'Answer questions' interface.

Title	Status	Start	End
Autoscore Weekly Quiz 1: Instructional Design	Accepting Not submitted	2013-02-27 11:10	2020-02-27 10:25
Autoscore Weekly Quiz 2: Instructional Design	Accepting Not submitted	2013-02-27 10:25	2020-02-27 10:25

Tests page

Select a test

Start

Answer questions

Click the 'Submit' button.

Answers 3 / 3 Elapsed Time 00:03:48

The test is not yet submitted. Click the 'Submit' button below to submit.

To modify your answers, please click 'Back'.

Back Submit

7.6.2 Assignments

In manaba, you can submit the report assignment from the teacher via the course page. There are two types of submission methods, "Browser-Based" and "File-Based".

Browser-Based Assignments

1. In **Assignments** page, select an assignment you would like to answer.
 2. View the details of the assignment and enter your answers.
 3. Check your answers and click **Preview** after you have answered all the questions.
- ❗ The assignment has not been submitted to the instructor yet.
4. Check your answers. If there are no revisions to make, click **Submit** to submit your answers. If you need to revise your answers, click **Back**.

The screenshot shows the 'Assignment Room' for 'Assignment #1'. It includes a description, start/end dates, settings, and a text input area for the answer. A 'Preview' button is visible at the bottom.

Assignment Room

Enter Confirm Finish

Mutual Review Assignment #1

Description Write in 20 lines about the importance of the aluminium in the modern industry.

Start 2014-02-25 12:15

End 2014-03-05 12:15

Settings Accessible to all course members.

Allowing resubmission Allow resubmission until the End date.

Files

Status In progress
Not submitted > Submission status

0 characters 0 words

Preview

Browser-Based Assignments

File-Based Assignments

1. In **Assignments** page, select an assignment you would like to answer.
 2. View the details of the assignment and put together your response.
 3. Locate the file and click **Upload** to upload the file into manaba.
- ❗ The assignment has not been submitted to the instructor yet.
4. To add more files, repeat 3.
 5. If there are no mistakes, click **Submit** to submit your files.

The screenshot shows the 'Assignment Room' for 'Assignment #2'. It includes a description, start/end dates, settings, and a file upload area. A 'Choose File' button is visible at the bottom.

Assignment Room

Upload File Confirm Finish

Mutual Review Assignment #2

Description Write in 20 lines about the role of the clean energy in the future industry.

Start 2014-02-25 12:15

End 2014-04-10 12:15

Settings Accessible to instructors and course members who have submitted the same assignment.

Allowing resubmission Allow resubmission at anytime during submission period.

Files

Status In progress
Not submitted

No upload data is found

Choose File No file chosen Upload

File-Based Assignments

7.6.3 Grades

On the “Grades” page, you can check the score results of each assignment (tests, assignments, etc). You can browse grades only for the tasks that teachers have allowed.

Title	Grade	lower << Position >> higher
Autoscore Practice test	20	20
Total 3 / Avg 20.0 / Min 10 / Max 30 / Stddev 8.2		
Grade published at 2013-02-15 02:45		
Autoscore Midterm 2	10	10
Total 3 / Avg 16.7 / Min 10 / Max 20 / Stddev 4.7		
Grade published at 2013-02-13 12:10		
Midterm 1	2	2
Total 4 / Avg 30.2 / Min 2 / Max 43 / Stddev 16.7		
Grade published at 2013-02-13 02:38		

Please come to office hours if you feel you are unprepared for the tests.

List of Grades

7.6.4 Resources

You can access the information such as course materials and syllabus uploaded by the teacher in the “Resource” page by the following steps.

1. Click **Resources** and a list of resources will be displayed.
2. Click the title of a resource and its content will be displayed.
3. Titles of pages in the resource you selected are shown on the right. Click the title of a page and check the other pages in the resource.

Resources	Total
Lecture Slides Please go to the corresponding page for lecture slides of each class.	Total 5 items 2013-03-02 02:54
[Resource] Supplementary Readings I will post a list of supplementary readings related to our class here.	Total 2 items 2013-03-01 02:43

List of Resources

7.6.5 Attendance (respon)

You can reply to your attendance by submitting an attendance card from the smartphone application (Android / iPhone) of respon or PC.

If you use the smartphone app, please make the initial settings in advance according to the *Learning Management System (manaba) Manual for Students*.

Submission of an attendance card

1. For smartphones, launch the app. For PC, log in to manaba and click the icon at the top right of the screen.
2. Please enter the call number specified in the class.
3. Tap / click the [GO] button.



Call number input screen (for smartphone app)

For Clicker or Question

After entering the call number, the screen automatically transitions to the "Clicker" or "Question" screen. Please respond according to the teacher's instructions.

LIVE/REPLAY distribution (only for smartphone app)

Survey results can be viewed in real time or later. (Available only when the instructor has set the distribution settings.)



Clicker screen (for smartphone app)



Question screen (for smartphone app)

8 Zengaku Computer System

8.1 Powering Up a Personal Computer (PC)

Press the power button to turn on the computer. After waiting for about 10 seconds, Figure 8.1 will show up.



Figure 8.1 Operating System Selection Screen

Zengaku Computer System supports Windows 10 and Linux OS. To run Windows 10, select “windows” by using the cursor keys on the keyboard and press the [Enter] key; to run Linux, select “ubuntu” and press the [Enter] key.

8.2 Starting Up and Closing Windows 10

● Starting Up and Sign-in to Windows 10

After selecting Windows 10 in Figure 8.1, the screen below appears.

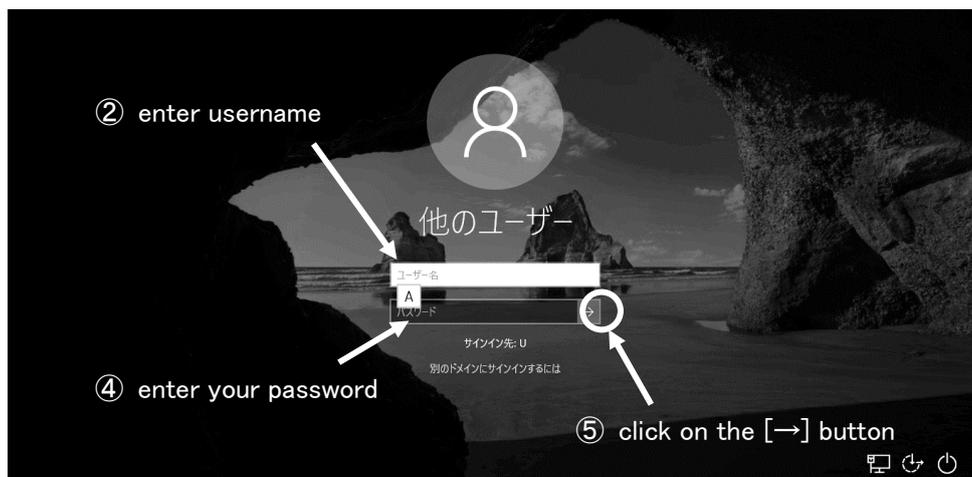


Figure 8.2 Sign-in Screen

To sign-in follow the directions below:

- ① Make sure that there is a vertical line in the [ユーザー名] box. If not, bring the mouse pointer and click on the box.
 - ② Enter your Zengaku Computer System ID: **“s” + the last seven digits of your ID number** (Example: If your student ID is 201916789, it would be s1916789)
 - ③ Bring the mouse pointer and click on the [パスワード] box.
 - ④ Enter your Zengaku Computer System password using the keyboard. When entering your password, each character is masked by “●” to keep your password protected. This is to prevent others from seeing your password.
 - ⑤ Bring the mouse pointer and click on the [→] button next to the [パスワード] box.
 - ⑥ You can sign-in Windows 10 on the computer after this authentication process. If you can not sign in the PC, you need to start over from ①.
- ※ If the “Caps Lock” is on, the letters will be typed in capital letters. To remove “Caps lock,” press the [Shift] key and [Caps Lock] key together.

● Closing Windows 10 (Shutting Down)

When closing Windows 10, wait for 10 seconds after pressing the power button and quickly release or follow the directions below. Do not touch the power button for more than 4 seconds because this could corrupt the data saved on the PC.

- ① Click on the start button  and open the start menu.
- ② Click on the power button  on the lower left to open the shutdown menu.
- ③ Click on the [シャットダウン].
- ④ After a few tens of seconds, it will shut down automatically.

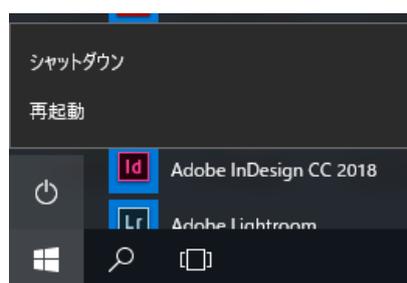


Figure 8.3 Shut Down Menu

8.3 Starting Up and Closing Linux OS

● Starting Up and Logging into Linux OS

After selecting Linux at Figure 8.1, Figure 8.4 would appear on the screen



Figure 8.4 Linux OS Log-In Screen

Enter your Zengaku Computer System ID in the [ユーザー名] box, and then press the [Enter] key. It would turn to a new screen asking for your password. After entering your password there, you can log in to Linux OS.

If you power off the PC on this screen, click on [停止] at the lower left. Then, a dialogue “本当にシステムを停止してもよろしいですか?” would appear. By clicking on [停止], you can turn off the PC.

● Logging Out of Linux OS (Shutting Down)

By clicking on the icon at the higher right corner of the desktop, a pull-down menu shown in Figure 8.5 will appear and click on [シャットダウン].



Figure 8.5 [システム] Pull Down Menu

A dialogue “本当にすべてのプログラムを終了し、コンピュータをシャットダウンしますか?” would appear and then click on [シャットダウン]. The computer turns off.



Figure 8.6 Linux Shut Down Confirmation Dialogue Box

8.4 Japanese Language Input Method on Windows 10

Japanese language input requires the Japanese input system. By typing the “reading of Kanji,” the system converts the characters into “Kanji.” It is possible to convert to Hiragana, Katakana, and symbols as well. This instruction will explain how to input the Japanese languages by Microsoft Input Method Editor (MS-IME).

8.4.1 Typing Words

The key layout of a Japanese keyboard is displayed in Figure 8.7.

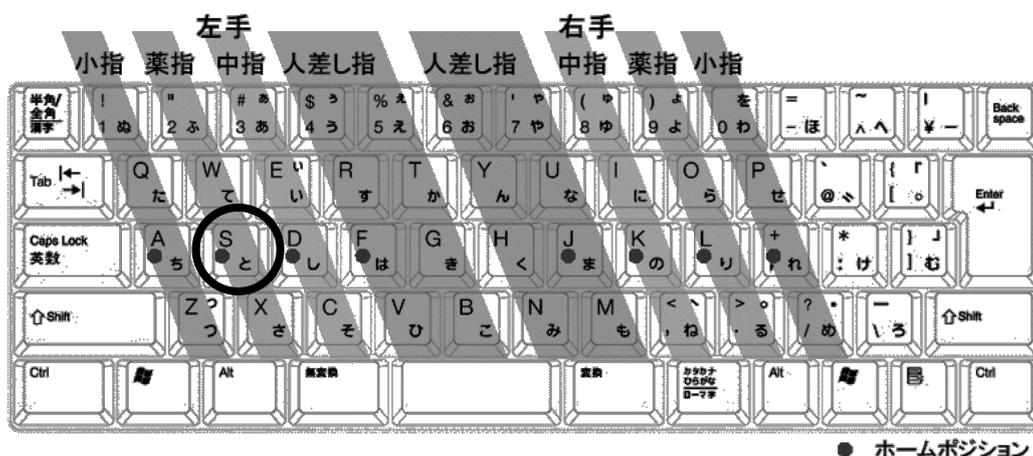


Figure 8.7 Key Layout of a Japanese Keyboard

There are two ways to enter words: “romaji input (alphabets)” and “kana input (readings).” For example, the key circled in Figure can enter “s” in the romaji input and can also enter “と” in the kana input. This instruction will explain on the romaji input.

The first principle of typing is always to return your fingers to the home position composed of eight keys with “●” in Figure 8.7. The home position is the reference place for your fingers. The “F” and “J” keys have a small bump to help you find the home position quickly. To practice your blind typing, please refer the webpages such as

- P 検フリータイピング練習: <https://www.pken.com/tool/typing.html>
- e-typing: <https://www.e-typing.ne.jp/>
- Sushi-DA: <http://typing.sakura.ne.jp/sushida/>
- Sara-DA: <http://neutralx0.net/sarada/>

8.4.2 Getting Ready to Type in Japanese

The MS-IME Japanese input must be turned on during Japanese language input. On the low right corner of the screen, the MS-IME language bar (Figure 8.8) can be found. Make sure “あ” is seen there.



Figure 8.8 MS-IME language bar

When there is no “あ” shown in the MS-IME bar, press the [半角/全角] key or click on the “A” character on the MS-IME bar and select [ひらがな] shown in the input mode list (Figure 8.9). Pressing the [半角/全角] key when the Japanese input mode is turned on will turn off the Japanese input mode.



Figure 8.9 MS-IME Input Mode List

8.4.3 Entering the Japanese Reading

Here we will try typing the reading “つくばだいがく” using romaji input.

- ① Type tsukuba. It would be entered as つくば.
- ② Type daigaku. It would show つくばだいがく on the screen.

The line under the reading shows that the text is not converted to any other characters such as Hiragana, Katakana, and Kanji. (Figure 8.10)

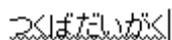


Figure 8.10 unconverted reading with a wavy line

In case of pressing the wrong key by mistake, move the vertical line to the position of the mistaken character using the [←] key and [→] key. Then, press the [Backspace] key to delete the wrong character and type in the correct character. Note that pressing the [Esc] key when the reading is still unconverted will remove the whole set of words that are unconverted.

You can type romaji as a sonant sound such as dull sound, syllabic nasal, and choked sounds. To type 「ん」 enter [NN]. To type “あいうえおやゆよつ” press [X] before the romaji. For example, pressing [XTU] will enter “っ.”

To enter long tone press  key, to enter comma press  key, to enter period press  key, to enter quotation marks use  and  keys.

8.4.4 Converting to Kanji

After typing the reading and the characters are unconverted pressing, the [変換] key or the [space] key will convert the characters to kanji. For example, つくばだいがく shown in Figure 8.10 would change to 筑波大学 shown in Figure 8.11.

筑波大学

Figure 8.11 筑波大学

When the candidate by MS-IME is a homonym, press the [変換] key or [space] key a couple of times to seek the correct one. You can select the proper set of characters using [↑][↓] keys and number keys. A book helps you to confirm the meaning and examples of the candidates (Figure 8.12). When the correct set of characters is shown up, press the [Enter] key to convert.

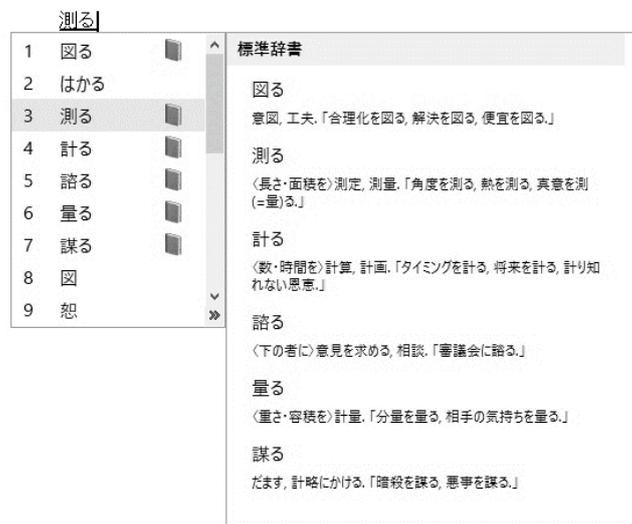


Figure 8.12 words comment function

When MS-IME makes a mistake to segment the reading you entered, you can change the phrase as follows. You can change the phrase length by using the [←][→] keys and the [Shift] key together at the unconverted state (Figure 8.10). After the proper length of a phrase is selected, press the [変換] key or [space] key again to convert.

Here, we will try to type 「息子には知ってほしかった」 as an example.

むすこにはしってほしかった

Figure 8.13 息子には知ってほしかった (unconverted)

- ① After typing the reading 「むすこにはしってほしかった」 it will convert as the characters shown in Figure 8.14. This case is one example because this could differ when the dictionary remembers what was typed on the computer in the past.

息子に走ってほしかった

Figure 8.14 息子には知ってほしかった (incorrect conversion)

- ② The phrase that says 「息子に」 is selected. Press [Shift] and [→] to select 「むすこには」.

むすこにはしってほしかった

Figure 8.15 息子には知ってほしかった (after changing the breakpoint of the phrase)

- ③ Reconvert the reading by pressing the [変換] key or the [space] key.

息子には知ってほしかった

Figure 8.16 息子には知ってほしかった (correct conversion)

To readjust the phrase segment of reading before confirming the conversion, select the section of the phrase and press the [Backspace] key. This will make the readings back to the unconverted state.

8.4.5 Converting to Katakana and Hiragana

By using [F6] ~ [F9] keys, the readings can be converted to Katakana or Hiragana. The phrase can be converted to Hiragana by [F6], Katakana by [F7], half-width character by [F8], and alphabets by [F9]. These keys can be used by pressing some of them together. For example, pressing the [F8] and [F9] keys together will convert the characters to alphabets in half-width.

表 2.1 function key conversion list

キー	変換機能	例	変換前	変換後
F6	全角ひらがな		ツクバ	つくば
F7	全角カタカナ		つくば	ツクバ
F8	半角		ツクバ	ツクバ
			t s u k u b a	tsukuba
F9	全角英数		つくば	t s u k u b a
F10	半角英数		つくば	tsukuba

8.4.6 How to Type in Romaji Input (Alphabets)

When typing in English, get into half-width English mode or full-width English mode or direct input (turning off Japanese input). The typing mode can be changed by clicking the button on the left end and select mode from the mode list or press the [半角/全角] key.

8.4.7 Entering Symbols

Pressing the keys while holding the [Shift] key the symbols illustrated on the top left of each key can be entered. ““ or “~” can be typed by holding the [Shift] key and

pressing  or .

8.4.8 Typing Other Symbols

Symbols that are frequently used such as ◎ (まる) , or ☆ (ほし) can be converted from readings (Figure 8.17、Figure 8.18) .



Figure 8.17 converting to symbols (まる) Figure 8.18 converting to symbols (ほし)

8.4.9 Punctuation Marks (「。」 and 「、」 or 「.」 and 「,」)

When writing in Japanese (。) and (、) or (。) and (、) must be used together. One of the combinations needs to be picked and to do this follow the directions below.

- ① Click [ツール] then [プロパティ] in the language bar. (Figure 8.19)
- ② Click [詳細設定] in the Microsoft IME settings. (Figure 8.20)
- ③ Click the [全般] tab then [入力設定] then [句読点] and pick one of the combinations. (Figure 8.21)

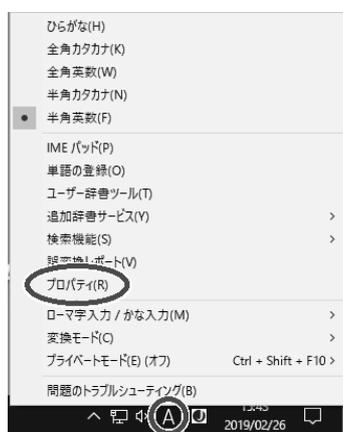


Figure 8.19 Select [プロパティ]



Figure 8.20 Select [詳細設定]

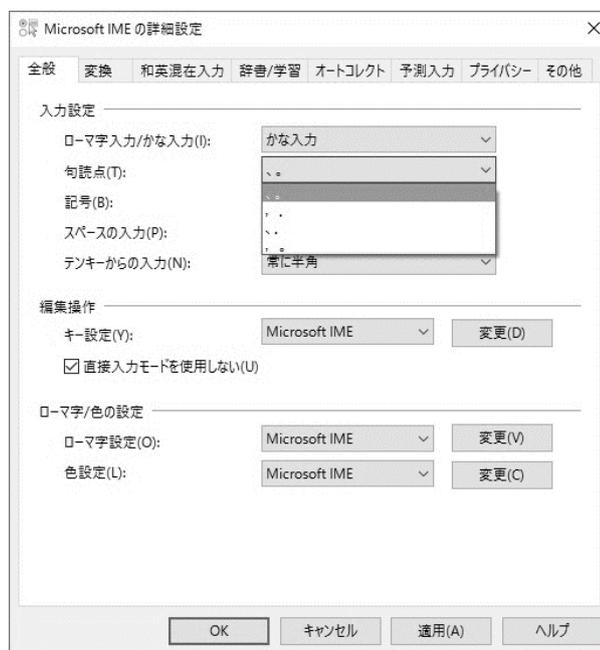


Figure 8.21 Advanced settings of Microsoft IME

- ④ Click [OK].

8.4.10 Recording words

When the conversion of the characters does not work well, it is better to record the words on the computer. For example, 「がくるい」 will usually convert to 「が狂い」.

This can be fixed and be converted to 「学類」. To do this follow the directions below:

- ① Select [ツール] in the IME language bar then [単語の登録]. (Figure 8.22)
- ② The [単語の登録] dialogue will appear. Type in the reading and the characters then click on [登録]. (Figure 8.23)



Figure 8.22 select [単語の登録] in the language bar



Figure 8.23 [単語の登録] dialogue box

8.5 USB memory stick

● How to Use the USB Memory Stick

The USB memory stick can be used by inserting it into the computer port (USB port). Find the USB mark shown in Figure 8.24.



Figure 8.24 USB mark

After inserting the memory stick, a balloon comes up and says 「新しいハードウェアが見つかりました」 will appear from the taskbar. Then [リムーバブルディスク] will be added to [コンピュータ]. Note that there are times when a message that says 「再起動する必要があります」 appears. Follow the message and restart the computer.

● How to Eject the USB Memory Stick

The data and the USB memory stick may be damaged if you remove it from PC incorrectly. Before the remove your USB stick, first, click on the icon  in the notification area as shown in Figure 8.25. The icon could be hidden in Windows 10, in this case, click on the triangle to find the icon.

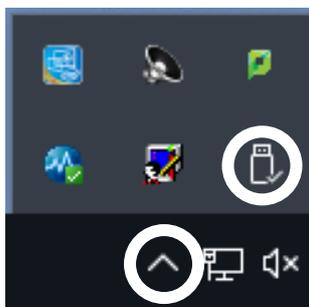


Figure 8.25 “safely remove USB” icon (task tray)

Then click on [Flash Disk の取り出し]. After this a dialogue box that says 「ハードウェアの取り外し'USB 大容量記憶装置デバイス'は安全に取り外すことができます」 will appear from the icon.

After following these directions, the USB memory stick can finally be ejected safely.

If you forget these directions or the icon does not show up, eject the USB memory stick after shutting down Windows 10. This is a safe way to remove the USB memory stick as well.

9 Internet and E-mail

9.1 Warning when you are using Internet

9.1.1 Be careful when registering

Sites will often require a username and password. Avoid using the same password on multiple sites, since the leaking of a single password puts all your accounts with the same password at risk. Also, passwords registered with websites that do not use SSL are easily discovered. However, even if the website uses SSL, there is a chance that it is a fake website. Extra care is needed when registering your bank number or credit card number.

9.1.2 Do not accept requests from strangers

Do not accept requests from strangers. It is possible that such requests are sent to an unspecified number of people who use e-mail. Such claims can show the recipient's connection sources and operating system (OS) in an attempt to threaten. Such claims are to be ignored.

9.2 Using E-mail

This section shows the matters of caution related to using e-mail. In this reference shall be made to the "Rules & Manners on using the Internet," published by IAJapan (<http://www.iajapan.org/rule/rule4general/>).

● Security

It is difficult to assure the reliability and security of an E-mail. Since e-mail is sent through various networks, there is an inherent possibility of it being snooped or being lost in the process. **You should not exchange individual information such as your bank account number, credit card number, and password through e-mail.**

● E-mail title or subject

Your e-mail should have a simple title or subject so that its content can be understood at a glance.

● Confirmation of address

It is impossible to delete an e-mail you sent. At the University of Tsukuba, the e-mail address of students is based on the students' ID number. Thus, a single misspelling can cause the e-mail to be sent to someone else. Make sure to spell the e-mail address correctly before posting.

● Symbols to use

Since various types of PC are connected to the Internet, some symbols such as non-alphabet characters and half-width katakana are not correctly displayed, depending on PC. Do not use such characters when writing an e-mail.

● E-mail content

Do not impersonate someone else. Do not edit someone's e-mail and forward it.

9.3 Manners when writing an E-mail

Though e-mail is a favorite medium, it is important to not forget about proper manners when writing an e-mail.

● Language

Unlike face-to-face conversation, where facial expressions or tone of voice are transmitted along with the message, this is not the case with e-mail, which consists only of letters. Therefore, it is necessary to think about how the message will be received by the recipient. Avoid using aggravating or antagonizing language, be tolerant, and do not respond to provocative messages.

● Emoticons/emoji

Though emoticons are commonly used on cell-phone chats, avoid using them with people whom you are not close with. Avoid using emoticons toward superiors, strangers or formal e-mails. Also, note that PCs often do not support emoji, so avoid using them when writing e-mails.

● About the reply from addressees

Do not expect an immediate response from the person you have sent an e-mail to. It is possible that the addressee is not using a computer presently, and there is always a chance that your e-mail was not correctly received.

9.4 How to write sentences on E-mail

When writing e-mails, it is important to consider readability. In contrast to books, text displayed digitally tends to be harder to read. It is therefore important to improve readability by leaving space between paragraphs and starting on a new line when appropriate. Make sure your text is concise and on-point. Only quote when necessary and keep your sentences short

Example of proper E-mail writing

Similar to writing letters, there are rules for writing an e-mail.

The diagram illustrates an example of a proper email with callout boxes explaining key elements:

- Subject (メール件名) : 面接のお願い** - Callout: Capture the main point of the e-mail in the subject line
- 山田先生** - Callout: Put the name of addressee at the top. Don't abbreviate the addressee's company name, organization, or belonging. Ex.) Incorrect: XYZ Corp. Correct: XYZ Corporation
- 情報科学類の筑波太郎です。** - Callout: Write your name and affiliation.

今月31日に大学対抗プログラミングコンテテストに出場することになりました。書類にサインをいただきたいので、××日あるいは××日にお伺いしたいのですが、先生のご都合の良いお時間をお教えいただけませんか。

情報学群情報科学類
学籍番号 2020xxxxx
筑波 太郎

8. Zengaku Computer System

“Automatic screen lock and shutdown of terminals”

Screen lock and automatic sign-out/log-out/shutdown features have been installed in the Zengaku Computer System terminals.

- After a certain period of time without operating the terminal, a screen saver is activated and the screen is locked.
- In order to return to the original screen from the locked screen, the password must be entered.
- If a certain amount of time passes without unlocking the lock, a sign-out/log-out is automatically executed. This may cause the unsaved data to disappear.
- After signing out/logging out, if no user has signed in/logged in and the idle time reaches a certain amount of time, the terminal will automatically shut down.
- The user can also lock the screen with his or her own operation.
- Detailed information such as the length of time for each can be found on the Zengaku Computer System webpage.

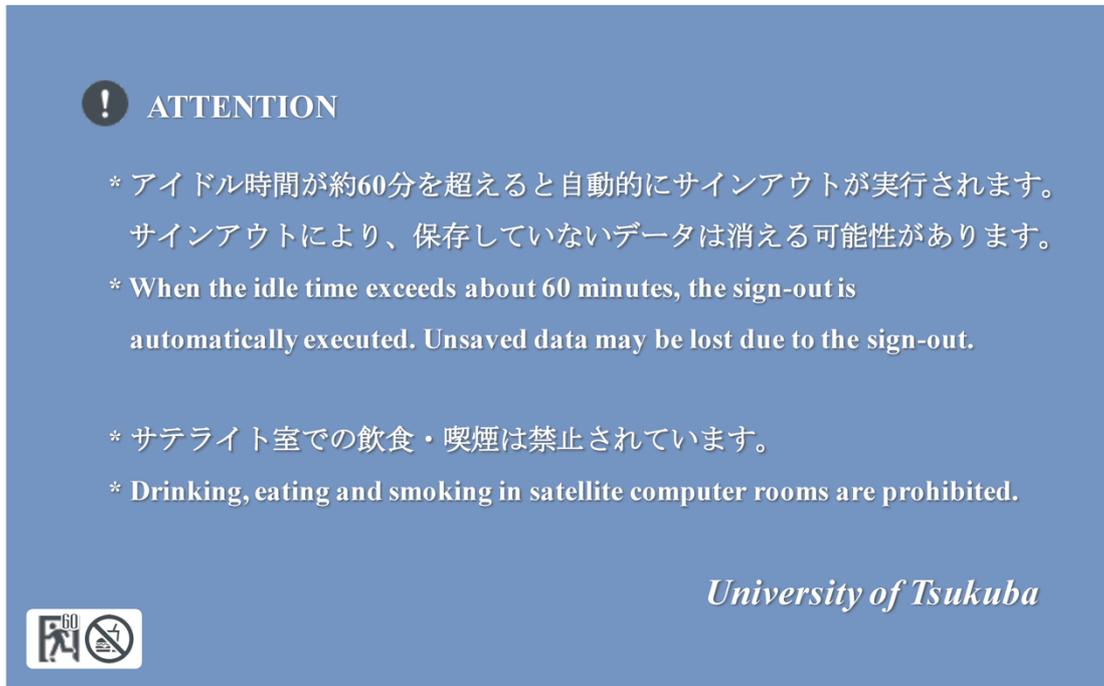


Figure 8.26 Screen displayed by screen saver (Windows environment)

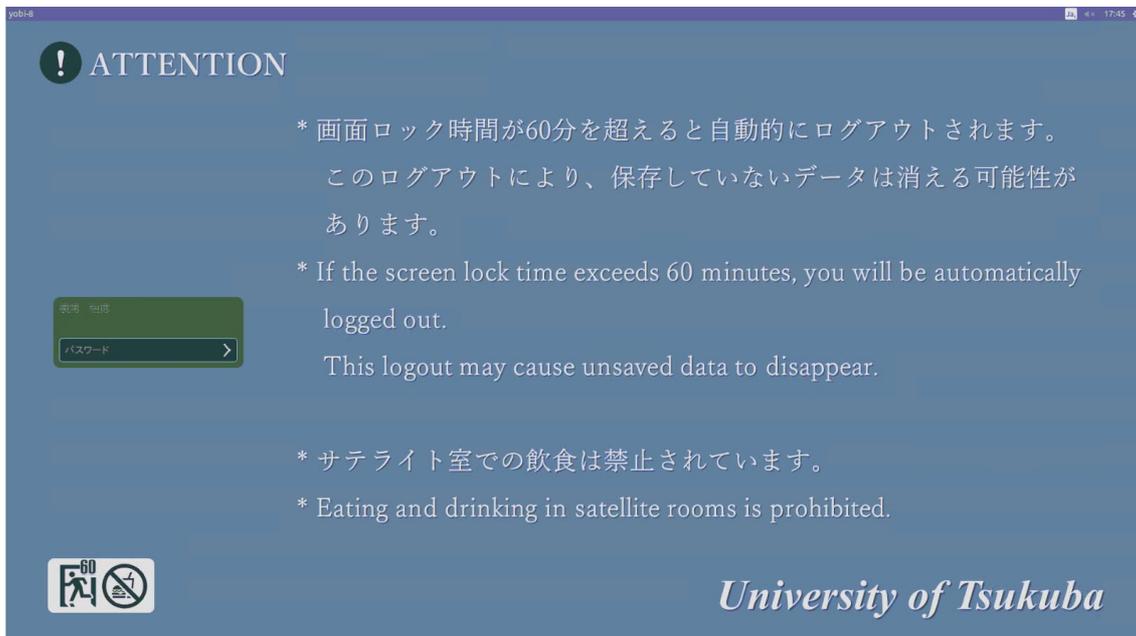


Figure 8.27 Screen displayed by screen saver (Linux environment)