Welcome to Kashiwa Campus 2022

The University of Tokyo
Adventures in Knowledge

Kashiwa Campus is the newest of the three main campuses of The University of Tokyo in addition to campuses at Hongo and Komaba, and was established with the vision of building a new community with a strong interdisciplinarity and international character that can respond to the dynamic scientific and educational needs of the 21st Century. Hongo Campus, the core of traditional academic activities at The University of Tokyo since its foundation in 1877, and Komaba Campus, focusing on undergraduate studies and building interdisciplinary links between established fields of study for over 60 years, have longstanding academic traditions. Kashiwa Campus recently joined this family and aims at a fundamental reorganization of the structure of traditional academic disciplines, reconsidering the framework of how knowledge is created and organized. Under the slogan of “Adventures in Knowledge”, Kashiwa Campus has started various new initiatives.

The Graduate School of Frontier Sciences (GSFS) consists of three divisions each with relevant departments: Division of Transdisciplinary Sciences, Division of Biosciences, and Division of Environmental Studies. GSFS aims to create new frontiers of academic fields. The Institute for Solid State Physics (ISSP) is exploring a wide variety of phenomena exhibited by various materials from the viewpoint of basic science using state-of-art experimental facilities and techniques. Materials under study include those forming the basis of today’s high-tech society and its future development.

The Institute for Cosmic Ray Research (ICRR) is pursuing the origins of the universe and matter through research on cosmic rays. The Atmosphere and Ocean Research Institute (AORI) not only promotes basic research on the ocean and atmosphere, but also contributes to society through deepening ocean and climate science. The University of Tokyo Institutes for Advanced Study, Kavli Institute for the Physics and Mathematics of the Universe (Kavli IPMU) pursues the deep mysteries of the universe through the integration of Physics, Mathematics and Astronomy. Other departments include the Center for Spatial Information Science, Kashiwa Branch of Environmental Science Center, the Information Technology Center, the Institute of Gerontology, Institute of Industrial Science (IIS), the Kashiwa Library and the University of Tokyo Archives. As the names suggest, these facilities bring together people from a wide variety of research fields. As an important part of facilitating communication between research fields, Kashiwa Campus also has a strong international character, promoting international contacts and the exchange of ideas from around the world. Through the facilities that exist now or will be built in the near future, Kashiwa Campus has excellent coverage of many of the new fields of science that have growing importance in shaping our lives in the 21st Century. Abandoning the constraints of traditional ways of organizing science, Kashiwa Campus has quickly responded to the continuously evolving frontiers of science in an increasingly global and dynamic society by building new interdisciplinary research facilities and seeding new academic fields. These achievements will make the “adventures in knowledge” in Kashiwa possible.

Growth of Kashiwa Campus

In 1998, The University of Tokyo established a new campus about 30 km northeast of Tokyo located in Chiba prefecture, in the northern part of Kashiwa city, adjoining Kashiwanoha Park, and the University has consolidated several academic and research units since then. As of May 1st, 2022, the total number of faculties, staffs, graduate students, and researchers at Kashiwa Campus is about 3,500.

<table>
<thead>
<tr>
<th>Relocated in</th>
<th>Institute/Department</th>
<th>Previous Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>Institute for Cosmic Ray Research</td>
<td>(Tanashi Campus)</td>
</tr>
<tr>
<td>2001</td>
<td>Institute for Solid State Physics</td>
<td>(Roppongi Campus)</td>
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<tr>
<td>2003</td>
<td>Division of Integrated Biosciences, Graduate School of Frontier Sciences</td>
<td>(Hongo Campus)</td>
</tr>
<tr>
<td>2005</td>
<td>Division of Transdisciplinary Sciences, Graduate School of Frontier Sciences</td>
<td>(Hongo Campus)</td>
</tr>
<tr>
<td>2005</td>
<td>Research into Artifacts, Center for Engineering</td>
<td>(Komaba Campus)</td>
</tr>
<tr>
<td>2006</td>
<td>Center for Spatial Information Science</td>
<td>(Komaba Campus)</td>
</tr>
<tr>
<td>2006</td>
<td>High Temperature Plasma Center</td>
<td>(Hongo Campus)</td>
</tr>
<tr>
<td>2006</td>
<td>Center for Climate System Research</td>
<td>(Komaba Campus)</td>
</tr>
<tr>
<td>2010</td>
<td>Division of Environmental Studies, Graduate School of Frontier Sciences</td>
<td>(Hongo Campus)</td>
</tr>
<tr>
<td>2011</td>
<td>Atmosphere and Ocean Research Institute</td>
<td>(Nakano Campus)</td>
</tr>
<tr>
<td>2011</td>
<td>Information Technology Center (partial relocation)</td>
<td>(Hongo Campus)</td>
</tr>
<tr>
<td>2011</td>
<td>Institute of Gerontology (partial relocation)</td>
<td>(Hongo Campus)</td>
</tr>
<tr>
<td>2017</td>
<td>IIS Chiba Experiment Station</td>
<td>(Image Ward, Chiba City)</td>
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<tr>
<td>2021</td>
<td>Information Technology Center</td>
<td>(Hongo Campus)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Founded</th>
<th>Institute/Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>Health Services Center Kashiwa Branch</td>
</tr>
<tr>
<td>2003</td>
<td>Environmental Science Center, Kashiwa Branch</td>
</tr>
<tr>
<td>2004</td>
<td>Kashiwa Library</td>
</tr>
<tr>
<td>2007</td>
<td>Institute for the Physics and Mathematics of the Universe</td>
</tr>
<tr>
<td>2014</td>
<td>The University of Tokyo Archives</td>
</tr>
</tbody>
</table>

Outline of The University of Tokyo

Established: 1877 (Departments of Law, Science, Literature, and Medicine)
President: Teru Fuji
Teaching/research organizations: 10 faculties, 15 graduate schools, 11 institutes
Campuses: Hongo (Bunkyo-ku, Tokyo) 559,453m² Komaba (Meguro-ku, Tokyo) 352,116m²
Kashiwa (Kashiwa, Chiba) 450,397m²

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Kashiwa Campus Management
Kashiwa Campus Joint Academic Management Council was established as an organization for discussing and deciding matters regarding academic management common to all Departments on Kashiwa Campus.

Its role is to deal with
(1) matters referred to the Council by Departments in Kashiwa Campus
(2) other matters regarding academic management common to all these Departments

People who make up Kashiwa Section Campus

<table>
<thead>
<tr>
<th>Classification</th>
<th>Number of faculty and staff</th>
<th>Number of graduate students and research students</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Faculty / Researchers</td>
<td>Technical personnel</td>
</tr>
<tr>
<td></td>
<td>Full-time</td>
<td>Fixed-term</td>
</tr>
<tr>
<td>Graduate School of Frontier Sciences</td>
<td>180</td>
<td>104</td>
</tr>
<tr>
<td>Institute for Cosmic Ray Research</td>
<td>50</td>
<td>30</td>
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<tr>
<td>Institute for Solid State Physics</td>
<td>76</td>
<td>46</td>
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<tr>
<td>Atmosphere and Ocean Research Institute</td>
<td>64</td>
<td>46</td>
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<tr>
<td>Center for Spatial Information Science</td>
<td>13</td>
<td>9</td>
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<tr>
<td>Kari Institute for the Physics and Mathematics of the Universe, UTIAS</td>
<td>25</td>
<td>61</td>
</tr>
<tr>
<td>Environmental Science Center, Kashiwa Branch</td>
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<td>0</td>
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<tr>
<td>Information Technology Center</td>
<td>17</td>
<td>7</td>
</tr>
<tr>
<td>Institute of Gerontology</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>The University of Tokyo Archives</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Institute of Industrial Science</td>
<td>8</td>
<td>15</td>
</tr>
<tr>
<td>Health Services Center, Kashiwa Branch</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>K a s h i w a Library</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>International Education Support Office, Kashiwa Branch</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Research Center Support Office / Kashiwa</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Kashiwa Administration Department Center</td>
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<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>438</td>
<td>319</td>
</tr>
</tbody>
</table>

*Number of faculty and students are the numbers as of May 1st, 2022.

People who make up The University of Tokyo (40,181)

- Doctoral course students 15%
- Master course students 18%
- Undergraduate students 35%
- Teaching staff 15%
- Administrative & Technical Staff 14%

People who make up Kashiwa Campus (3,001)

- Doctoral course students 25%
- Master course students 37%
- Teaching staff 25%
- Administrative & Technical Staff 11%

*All numbers as of May 1, 2022.
*526 part-time staffs not included.
*Others are specialists are researcher.
Facilities at Kashiwa Campus

■ Graduate School of Frontier Sciences (GSFS)
  Division of Transdisciplinary Sciences
    ◦ Department of Advanced Materials Science
    ◦ Department of Advanced Energy
    ◦ Department of Complexity Science and Engineering
  Division of Biosciences
    ◦ Department of Integrated Biosciences
    ◦ Department of Computational Biology and Medical Sciences
  Division of Environmental Studies
    ◦ Department of Natural Environmental Studies
    ◦ Department of Ocean Technology, Policy, and Environment
    ◦ Department of Environment Systems
    ◦ Department of Human and Engineered Environmental Studies
    ◦ Department of Socio-Cultural Environmental Studies
    ◦ Department of International Studies

Research Center
  ◦ Life Science Data Research Center
  ◦ Sustainable Society Design Center
  ◦ Graduate Program in Sustainability Science-Global Leadership Initiative

■ Institute for Solid State Physics (ISSP)
  [Joint Usage/Research Center, MEXT*]
  Research Divisions
    ◦ Department of Condensed Matter Science
    ◦ Department of Condensed Matter Theory
    ◦ Department of Nanoscale Science
    ◦ Social Cooperation Research Department
    ◦ Functional Materials Group
    ◦ Quantum Materials Group
  Research Facilities
    ◦ Materials Design and Characterization Laboratory
    ◦ Neutron Science Laboratory
    ◦ International MegaGauss Science Laboratory
    ◦ Center of Computational Materials Science
    ◦ Laser and Synchrotron Research Center

■ Atmosphere and Ocean Research Institute (AORI)
  [Joint Usage/Research Center, MEXT*]
  Research Divisions
    ◦ Department of Climate System Research
      ◦ Department of Climate System Modeling
      ◦ Department of Climate Variability Research
    ◦ Department of Ocean-Earth System Science
      ◦ Department of Physical Oceanography
      ◦ Department of Chemical Oceanography
      ◦ Department of Ocean Floor Geoscience
    ◦ Department of Marine Life Science
      ◦ Department of Marine Ecosystems Science
      ◦ Department of Marine Bioscience
      ◦ Department of Living Marine Resources
    ◦ Department of Integrated Ocean Research
  Research Centers
    ◦ Center for International and Local Research Cooperation
    ◦ Center for Cooperative Research Promotion
    ◦ Center for Earth Surface System Dynamics

*Ministry of Education, Culture, Sports, Science and Technology
Center for Spatial Information Science
[Joint Usage/Research Center, MEXT*]

The aim of the Center for Spatial Information Science (CSIS) is to promote the research in diverse fields of spatial information science. For that purpose, it provides various services to the community of researchers, including the service to allow them to use a variety of spatial data collected at the center.

Environmental Science Center, Kashiwa Branch
Kashiwa Branch of Environmental Science Center performs both research and education on environmental conservation and safety management. It also supervises management, treatment, and disposal of hazardous wastes generated on Kashiwa Campus.

Information Technology Center (ITC)
[Joint Usage/Research Center, MEXT*]

ITC performs research on IT infrastructure (networks, high-performance computing, data science, computational science, big data, security, system software etc.). ITC is also in charge of design, implementation, stable operation, and user support of the university- and nation-wide infrastructures critical for research, education and academia-industry collaboration.

Moreover, as the core institute of the Joint Usage/Research Center for Interdisciplinary Large-scale Information Infrastructure, ITC conducts collaborative research with researchers both inside and outside of the university and provides computing resources such as supercomputers.

Kavli Institute for the Physics and Mathematics of the Universe
(Kavli IPMU), The University of Tokyo Institutes for Advanced Study (UTIAS)

Kavli IPMU, selected by MEXT for the World Premier International Research Center Initiative, is a multi-disciplinary research institute aiming at studying dark energy, dark matter, and unified theories (such as superstring theories and quantum gravity). The mission of Kavli IPMU is to understand the origin and evolution of the universe through synergistic efforts in mathematics, physics, and astronomy.

Kashiwa Library
Kashiwa Library is the main library on Kashiwa Campus, and provides academic information to students, faculty, and researchers. It fulfills the function as the back number center of natural science journals for all UTokyo campuses. Kashiwa Library also actively cooperates with the community through special events and other activities.

The University of Tokyo Archives
The University of Tokyo Archives maintains records generated by the university and relating to its history. Through the preservation and the exploitation of our collections, we support to increase the value of the university and aim to establish a new academic information infrastructure.
Community partnerships, industry-academia cooperation, and international activities at Kashiwa Campus

The spirit of transdisciplinarity is the driving force in new industry creation and urban revitalization based on the collaboration of Chiba Prefecture, Kashiwa City, Nagareyama City, and The University of Tokyo that has brought an academic center, Kashiwa Campus, back to the regional community. The University actively promotes the transfer of technology to industry, and is making great strides in internationalizing the campus.

Open Campus
An open campus program is held on the last Friday and Saturday of October every year. Some 8,000 people participate in open campus events that include visiting research laboratories and touring large-scale experiment facilities.

Kashiwa2 Cooperation Hub
A facility for open innovation laboratories, incubation laboratories, and Design-Led X Platform of Institute of Industrial Science. Collaborations with enterprises and local governments are going to be performed to create new industries in the open innovation laboratories.

Kashiwa Library Club
Kashiwa Library Club supports activities of Kashiwa Library at The University of Tokyo, and also promotes exchange among members, as well as between members and library staff. Anyone who has graduated from high school and who agrees with the purpose of the club is eligible for membership. Club members can receive announcements of special library events and borrow open-shelf books.

Urban Design Center Kashiwa-no-ha (UDCK)
Urban Design Center Kashiwa-no-ha was established as a joint research center of The University of Tokyo, Chiba University, Kashiwa City, Mitsui Fudosan Co., Ltd., The Kashiwa Chamber of Commerce and Industry, and the regional community (Tanaka Regional Furusato Committee), and Metropolitan Intercity Railway Company. It is located in front of Kashiwanoha Campus Station, and operates pilot programs and seminars based on research achievements and ideas from the universities.
Public Lectures
With the cooperation of Kashiwa City and the Kashiwa Chamber of Commerce and Industry, The University of Tokyo holds lectures open to the public, inviting Nobel Prize winners and other notable speakers.

University Consortium Tokatsu
University Consortium Tokatsu is an organization established to contribute to the further development of universities and local communities in the Tokatsu area which includes Kashiwa, Abiko, Nagareyama, Noda, and Matsudo. The University Consortium Tokatsu promotes closer collaboration and deeper mutual exchanges between and among public organization and universities in the Tokatsu area. The University of Tokyo is a member of University Consortium Tokatsu.

Cooperation with the Tokatsu Techno Plaza
Tokatsu Techno Plaza, established by Chiba Prefecture, is an organization that provides support for corporate research and development in the prefecture. The University of Tokyo participates in the following projects:

• University Research Exchange Salon
At this workshop, researchers from the University among others provide lectures and consultation to people from the corporate and government sectors about new technology and new product development. The University of Tokyo sends a lecturer and consultant to this workshop.

• Summer Science Class
This class educates children on different views of science, and teaches the importance and joy of making things with their hands. The University of Tokyo sends an instructor to this class.

Cooperation with the Todai Kashiwa Venture Plaza
The Todai Kashiwa Venture Plaza was established by the Organization for Small and Medium Enterprises and Regional Innovation Japan. It provides support to small and medium venture firms that aim to research and develop new products and new technology or to enter new technology fields based on university discoveries and inventions. The University of Tokyo cooperates with many of the firms involved.

Sawayaka Chiba Kenmin Plaza
Sawayaka Chiba Kenmin Plaza is a prefectural complex facility for lifelong learning as well as art and culture. The University of Tokyo sends a lecturer for their Kashiwanoha Academia Lecture, and also provides lectures and tours about advanced technologies and environment concerns.

Cooperation with the Japan Atomic Energy Agency
A Researcher-in-Residence from The Center for Computational Science & e-Systems at the Japan Atomic Energy Agency is always on the Kashiwanoha Station Campus and promotes joint research on high technology computational science toward complexity phenomena of materials, structures, and fluids. The University of Tokyo cooperates in growing human resources in supercomputing and its application fields.

International Exchange Activities
Kashiwa Campus is defined as the international base of The University of Tokyo. The International Education Support Office Kashiwa Branch(RIO) assists international students and researchers with their daily life concerns, and also organizes cultural events and exchange programs on campus. KIO promotes the globalization of campus, and also serves as the contact point for international exchange programs with the local communities. Additionally, the International Lodge (Kashiwa Lodge) opened on Kashiwa II Campus in 2010. The University is planning the development of an “international village for all disciplines”. The idea is that foreign students and researchers from all over the world come together to exchange ideas and learn in an environment where learning and living are in the same place.

Joint Research on High Technology Computational Science with the Japan Atomic Energy Agency

Calligraphy Workshop for International Students and Researchers