Kyoto Pharmaceutical University

An Overview

Message

Kyoto Pharmaceutical University (KPU) was established in 1884 as the Kyoto Private German School by students of Rudolf Lehmann, a German lecturer working in Kyoto Prefecture. The school was built on the foundation of its "Special Course," which would later become the Department of Pharmacy. The school was officially renamed as KPU in 1949, but has upheld its founding philosophy of *Aigakukyukou* (a love of learning) to this day. We also embrace the motto Philosophia et Praktikos (Philosophy and Practice), which embodies this founding philosophy and is prominently displayed in the Aigakukan building' s entrance hall, ensuring that this philosophy is passed down through generations.

As we celebrate our 140th anniversary in 2024, we continue to uphold our founding mission of contributing not only to the pharmacy field but also to industry and society. Our research activities lie at the heart of this mission. We believe that by sharing our research results with society and using the knowledge and ideas from them in our teaching, we can keep improving our education and research.

Our approach has helped us produce successful graduates in a variety of fields.

Seiichi Kiso,
Chairman of the Board of Trustees
Kenichi Akaji, President

Founding Philosophies

愛学躬行 *Aigakukyukou*

Philosophia et Praktikos

Educational Philosophy

Faculty of Pharmaceutical Sciences and the Graduate School of Pharmacy and Pharmaceutical Sciences

As an advanced educational and academic research institution, our educational philosophy is to prioritize and contribute to human health and the welfare of humanity based on respect for life.

In both the Faculty of Pharmaceutical studies and the Graduate School of Pharmacy and Pharmaceutical Sciences, we believe we can advance this philosophy by promoting education and research in the pharmaceutical sciences.

Educational Objectives

Faculty of Pharmaceutical Sciences

At KPU, we aim to foster pharmacists with strong critical thinking skills and the ability to take action, grounded in specialized knowledge across the domains of medical care, drug discovery, and the life sciences. Moreover, we believe that our students should have a rich cultural background and high ethical standards rooted in respect for the dignity of life. Our ultimate goal is to develop individuals who can proactively perform their roles across various fields, such as clinical practice, drug discovery, education, and public health and hygiene.

Graduate School of Pharmacy and Pharmaceutical Sciences

In our graduate school, we equip individuals with advanced knowledge and research skills in pharmaceutical sciences, preparing them to conduct independent research activities in basic and clinical pharmaceutical sciences and enabling them to contribute to international research in these fields.

Basic Data

Established *1884*

Name **Kyoto Pharmaceutical University**

Emblem

Origins of our Emblem

Greek mythology tells us the story of Medea, the daughter of Hekate and King Aeetes of Kolchis, who served medicinal herbs (*pharmaka*) to the gods. From this tale, the terms *medicus* and *pharmazie*, began to be used for "medicine" and "pharmaceutics," respectively. The poppy (*Papaver somniferum*) is an important medicinal herb that likely originated in the Mediterranean region. Today, it is also found in Asia Minor and parts of Iran. Harvested from the poppy's unripe fruit, opium was originally used as an anti-diarrheal, and its extract was used as an analgesic, sedative, and hypnotic drug.

Friedrich Serturner, a German pharmacist, first extracted morphine from opium and isolated it as a pure crystal around 1805. The name "morphine" is derived from Morpheus, the Greek god of dreams. Morphine was found to be an extremely powerful and effective analgesic and continues to be known as the "king of drugs." In addition, opium was also discovered to contain important alkaloids, such as codeine, noscapine, and papaverine, which are used as powerful antitussives and anticonvulsants.

For this reason, our emblem is a poppy fruit, with the "ph" in "pharmacies" replaced with the Greek letter φ (*phi*). Under this emblem, KPU works to develop a comprehensive understanding of medicines that contribute to human health and strives to educate future professionals with Bachelor's degrees in pharmacy, as well as skilled pharmaceutical scientists and pharmacists.

University Organization

Kyoto Pharmaceutical University

- **Undergraduate**
  - Faculty of Pharmaceutical Sciences
    - Department of Pharmaceutical Sciences
- **Graduate School**
  - Graduate School of Pharmacy and Pharmaceutical Sciences
    - Doctoral Degree in Pharmacy and Pharmaceutical Sciences
- **Division of Integrated Pharmaceutical Sciences**
  - Joint Research Laboratory
  - Radioisotope Research Center
  - Center for Instrumental Analysis
  - Bioscience Research Center
- **Centers and Facilities**
  - Library
  - Medicinal Botanical Garden
    - Misasagi Medicinal Botanical Garden
  - Center for Frontier Research in Medicinal Science
  - Center for Education and Research
    - The Research Center for Pharmacy Education
    - Education and Research Center for Clinical Pharmacy
    - Education and Research Center for Information Science
    - Support Center for Student Practical Lab
  - Center for Lifelong Learning
  - Center for Intellectual Property and Industry-Academia-Government Collaboration
  - Center for International Exchange
- **Administrative Offices**
  - Office for Planning & Public Relations
  - Office for General Affairs
  - Office for Accounting
  - Office for Facilities
  - Office for Academic Affairs
  - Office for Admission
  - Office for Student Affairs
    - Infirmary
    - Student Counseling Room
  - Office for Career Services
  - Office for Clinical Practice and Lifelong Education
  - Office for Society-Academia Collaboration
  - Office for Information Management
  - Office for International Exchange
  - Office for Procurement

Education

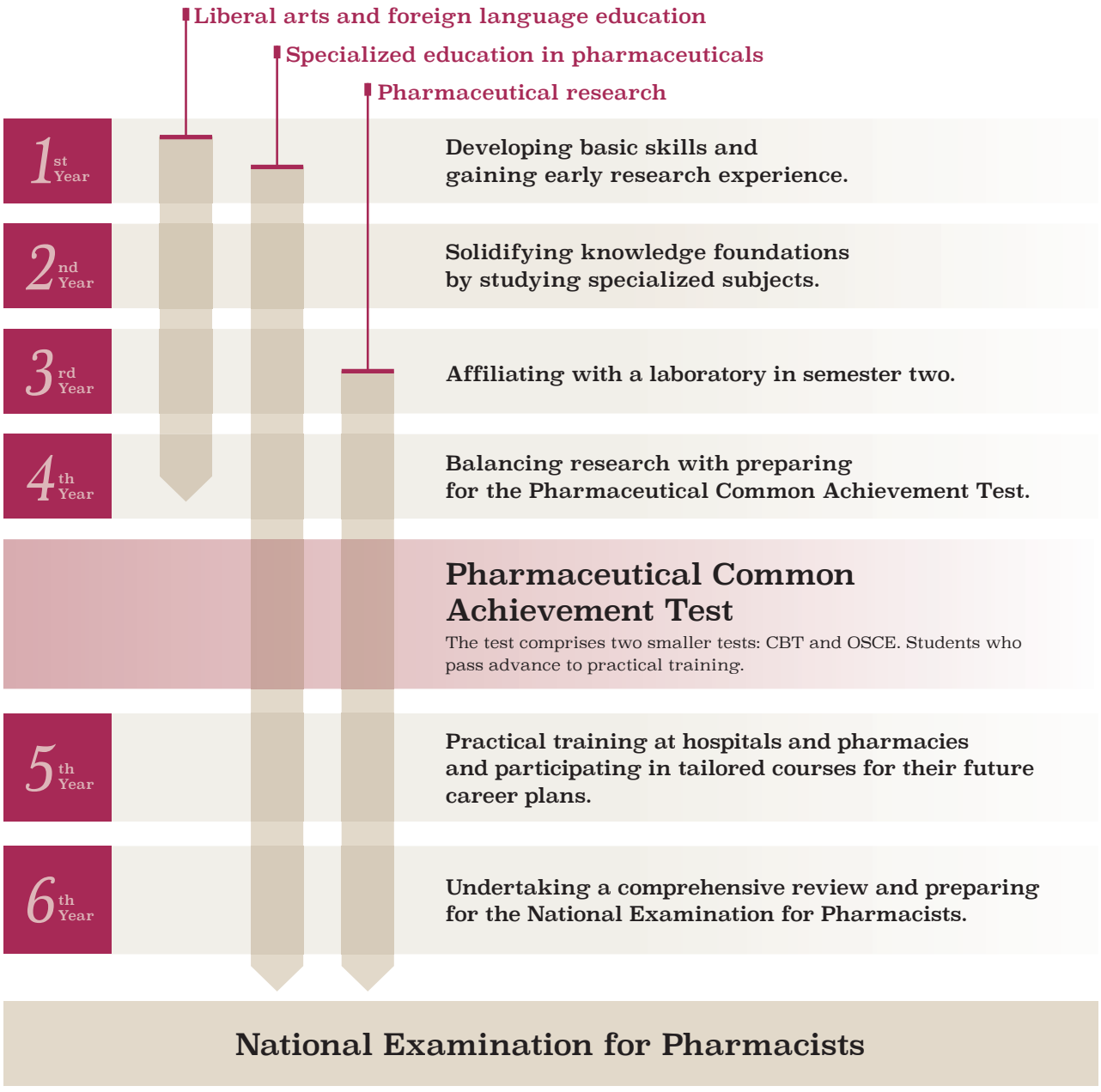
Undergraduate

In 2006, KPU established a six-year pharmacy program to cultivate pharmacists with the necessary skills to excel in various fields such as clinical practice, drug discovery, academia, education, and public health. This program is designed to develop individuals with the capabilities to think and act based on a broad expertise in medical, pharmaceutical, and life sciences, as well as a rich cultural education and high ethical standards grounded in our belief in the dignity of life.

In our undergraduate program, we have established a systematic curriculum that fosters advanced knowledge, skills, and attitudes through ongoing liberal arts education and an early introduction to specialized education while nurturing a rich human character.

The “problem-based” research activities beginning from the second semester of the third year are a distinctive feature of our curriculum. By cultivating students’ abilities to identify and solve problems based on scientific evidence, we lay a foundation for them to excel in various fields.

In addition to the regular curriculum, we offer a variety of elective programs. These programs aim to develop human resources that meet society’s diverse needs, such as the aging population, community healthcare, and globalization.



*New curriculum (applicable to students enrolling from the 2024 academic year onwards).

Graduate School

Creating experts in pharmaceutical science and advancing current research

After studying a wide range of fields in the pharmaceutical sciences, the graduate school develops experts in specific areas. KPU offers a four-year doctoral program in pharmaceutical science thatis designed to train leading clinical pharmacists with advanced knowledge and research skills in basic and clinical pharmaceutical science. Our goal is to foster researchers who can excel internationally in pharmaceutical research.

*We will stop accepting applications for the Pre-Doctoral Course of Pharmaceutical Sciences after 2025.
*We will stop accepting applications for the Doctoral Degree in Pharmaceutical Sciences after 2026.

Four-year Doctoral Program in Pharmacy

Pharmacists in the training and educational fields, university professors, researchers, pharmaceutical developers, and medical administration professionals

Doctor of Philosophy

Doctoral thesis and final examination

Original thesis, written in English, and one peer-reviewed report

Seminar on current topics

Topic research at laboratories	Participation in a program for next-generation cancer professional development Topic research at laboratories	Joint research with treatment and pharmaceutical departments. Topic research at the laboratories
Basic pharmaceuticals course	Next-generation cancer professional training	Clinical pharmacy course
Research in laboratories and special lectures	Participation in collaboration programs between the graduate school and hospitals, research at laboratories, and special lectures	Research at laboratories and special lectures

Enrollment in the Doctoral Program in Pharmacy

Graduates of the six-year pharmaceutical program

Collaboration between universities and hospitals

In collaboration with hospital pharmacy departments, we, as pharmacists, practice team-based medical care in the wards of various clinical departments.

Additionally, laboratories and medical institutions jointly conduct clinical pharmaceutical research and translational research, bridging basic science and clinical practice.

Research

KPU engages in various research projects aimed at solving societal issues; various research activities are conducted in individual laboratories and centers.

Under the leadership of our president, we actively promote such research activities with the belief that the significance of research lies in returning research outcomes (including new knowledge and scientific thinking) to educational activities.

We will continue to promote cutting-edge academic research in the field of pharmacy, adhering to our founding philosophy of *Aigakukyukou* and emphasizing our original approach to education.

Laboratories

Division of Medicinal Chemical Sciences	Pharmaceutical Chemistry / Pharmaceutical Manufacturing Chemistry / Medicinal Chemistry / Pharmacognosy
Division of Analytical and Physical Sciences	Analytical Chemistry / Analytical and Bioinorganic Chemistry / Biophysical Chemistry
Division of Biological Sciences	Environmental Biochemistry / Public Health / Microbiology and Infection Control / Cell Biology / Biochemistry and Molecular Biology / Clinical and Translational Physiology
Division of Pathological Sciences	Pathological Biochemistry / Pharmacology and Experimental Therapeutics / Clinical Pharmacology / Pharmacology / Clinical Oncology
Division of Clinical Pharmaceutical Sciences	Biopharmaceutics / Pharmacokinetics / Clinical Pharmacy / Clinical Pharmacoepidemiology
Division of Liberal Arts Sciences	Health and Sports Sciences / Physics / Mathematics / Foreign Languages, Social, and Cultural Sciences
Division of Pharmacy Education	The Research Center for Pharmacy Education / Education and Research Center for Clinical Pharmacy / Education and Research Center for Information Science / Support Center for Student Practical Lab
Division of Integrated Pharmaceutical Sciences	Joint Research Laboratory / Center for Instrumental Analysis / Bioscience Research Center / Radioisotope Research Center
Centers and Facilities	Library / Medicinal Botanical Garden / Center for Frontier Research in Medicinal Science / Center for Lifelong Learning / Center for Intellectual Property and Industry-Academia- Government Collaboration / Center for International Exchange

Educational Research Facilities

KPU has the facilities and equipment to support cutting-edge research and provide high-quality pharmaceutical education, ensuring that we fulfill our social responsibilities as an academic research institution.

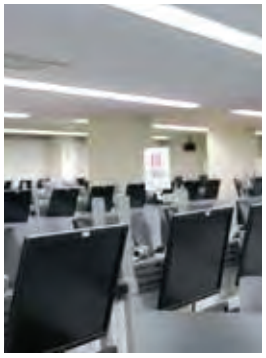
Aigakukan

Aigakukan, named after our founding philosophy of *Aigakukyukou*, features eight levels, including one basement. It houses lecture halls, practical training rooms, and research laboratories, as well as self-study rooms, a cafeteria, a student shop, meeting rooms, and administrative offices, thereby serving as the central facility on campus.

Kyukoukan

Similar to Aigakukan, Kyukokan is named in honor of our university' s founding philosophy of *Aigaku kyukou*. It consists of a five-storey lecture building, seminar rooms, and research rooms, which are connected to a four-storey library building. The first floor of the library includes a cafeteria and a convenience store.

Center for Education and Research



This four-storey facility houses the "Research Center for Pharmacy Education," which prepares students for the National Examination for Pharmacists, and the "Education and Research Center for Information Science," which supports information technology , such as information science education, the development of multimedia teaching materials, and server and network management.

Education and Research Center for Clinical Pharmacy

This facility provides education for fourth-year students as they acquire the basic knowledge, skills, and attitudes of a pharmacist before they begin their practical training at healthcare sites for practical training. It also serves the KPU community more broadly by hosting post-graduate practical training for pharmacists.

Bioscience Research Center

As an animal experimentation research facility, our Bioscience Research Center is equipped with top-level resources in terms of scale, equipment, and materials. It is a three-storey building with a basement level, designed considering the wider environment, and excels in functionality, quality, and efficiency, enabling advanced bioscientific research.

Center for Frontier Research in Medicinal Science

This four-storey facility was established as a collaborative research center selected for the Ministry of Education, Culture, Sports, Science and Technology' s "Academic Frontier Promotion Project." It aims to host socially impactful research focused on overcoming intractable diseases and facilitate joint research projects with domestic and international researchers.

The 130th Anniversary Hall

This facility is equipped with training, shower, and changing rooms. As an auditorium, it features a central stage and fully automated movable seating (512 seats). This three-storey building is also designated as an evacuation facility in the event of a regional disaster.

Medicinal Botanical Garden

In this approximately 13,000 m² medicinal garden in Hino, Fushimi Ward, we exhibit and cultivate useful plants, including the sources of the crude drugs listed in the Japanese Pharmacopeia and dye plants. Here, students can conduct various activities such as examining cultivation methods for medicinal plants, collecting and preserving specimens, and managing stored specimens in a database. These resources are widely utilized in education and research.

Access Map

Access

From Kyoto

JR

Kyoto Sta. S. Rapid (5 min) ▸ Yamashina Sta.

Tozai Subway

Sanjo Sta. (10 min) ▸ Yamashina Sta.

▸ **Walk (8 min)**

From Osaka

JR

Osaka Sta. S. Rapid (35 min) ▸ Yamashina Sta.

▸ **Walk (8 min)**

From Kobe

JR

Sannomiya Sta. S. Rapid (57 min) ▸ Yamashina Sta.

▸ **Walk (8 min)**

Kyoto Pharmaceutical University

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