

IBARAKI PREFECTURAL UNIVERSITY OF HEALTH SCIENCES



茨城県立医療大学



Greetings from the President

Akira Matsumura, President of Ibaraki Prefectural University of Health Sciences The Ibaraki Prefectural University of Health Sciences was established in 1995 in Ami-cho, Ibaraki Prefecture, and has accumulated a history of more than a quarter of a century since its establishment 25 years ago.

To date, the university has graduated just under 4,000 students, contributing to the production of medical professionals with national qualifications as "nurses," "public health nurses," "physical therapists," "occupational therapists," and "radiology technicians. Many of our graduates go on to work in Ibaraki Prefecture, as well as in other parts of Japan and abroad.

In addition to undergraduate education, we have also established a midwifery major to train midwives to handle deliveries. In addition, we have established educational courses in pediatric nursing and gerontological nursing as well as a course for certified nurses for swallowing and eating disorders, which is one of only four such courses in Japan, to train advanced professionals. In addition, since 2013, we have been holding a one-year "full-time teacher training course" for those who wish to become full-time teachers at nursing schools that train nurses in the community.

The graduate school offers master's and doctoral degree programs for those who wish to become advanced professionals, researchers, or educators. The Department of Radiation Technology also offers a course for "medical physicists," which has already become a national qualification in other countries, and is putting efforts into training personnel who can respond to the ever-increasing sophistication of radiotherapy.

The university has the only hospital in Japan other than a medical school, and it serves as the core of rehabilitation in Ibaraki Prefecture, as well as a place for education, research, and practical training for medical professionals in nursing, physical therapy, occupational therapy, and radiation technology.

In today's society, "medical care" and "health" have become the most important keywords. The University is tackling various social issues such as "advancement of medical care," "healthy and longevity society," "measures against declining birthrate," "task shifting and task sharing to cope with physician shortage," and "health maintenance in schools and workplaces," etc. The University is also working on the development of new medical technologies, such as "medical treatment for the elderly," "medical treatment for the elderly," "medical treatment for the elderly," and "medical treatment for the elderly. The medical profession is expected to become increasingly important in society in the future, and the role of this university in fostering human resources to tackle such issues is becoming increasingly important.

We are striving to develop highly competent, diverse, and resilient human resources through a variety of initiatives, including problem-solving education, team medicine education based on multidisciplinary cooperation, acquisition of basic practical skills through simulation laboratories, and cultivation of internationality through exchange with overseas universities.

In terms of research, Ibaraki Prefectural University of Health Sciences is vigorously engaged in research, backed by its well-equipped facilities and high rate of obtaining Grants-in-Aid for Scientific Research. We are also promoting industry-academia collaboration, and have seen many results that have been put to practical use as a result of research results that match the needs of society.

We look forward to your continued support, guidance, and cooperation.



President Akira Matsumura

Department of Nursing



To help people realize their universal desire to live healthily at each stage of life, nursing specialists need to provide the best possible healthcare, health improvement and peaceful terminal care for people of all ages in every state of health. In addition to practicing their professional skills, they play an important role in helping people maintain and improve their health using methods that people have found in their own lives, as well as supporting them in preventing the occurrence of diseases and health disorders and deterioration of their health as a result of these.

The Department of Nursing aims to foster nursing practitioners having a deep understanding of human beings based on the dignity of life, a rich human nature and creative spirit, who can make full use of an advanced knowledge of nursing science together with sophisticated medical technology. At graduation, students are eligible to take the national examinations for Registered Nurse and Public Health Nurse.



Department of Physical Therapy

The Department of Physical Therapy offers a systematic course through which students can study the basics of physical therapy, understand the characteristics of and provide support for disabilities. They are supported by a faculty with a wide variety of specialties such as pediatrics, geriatrics, orthopedics, cardiovascular & pulmonary, neurology, and sports. In addition to conventional subject based learning the department has introduced problem based learning, and as a basis of learning we have adopted self-learning in which the students actively study both fundamental and advanced issues of physical therapy under guidance of faculty members as tutors.

In accordance with the current demands in the medical field, we conduct interprofessional education under whole university, and encourage students to develop a mutual understanding of each profession and to have a wider view of their roles. To cultivate their professional identity as a physical therapist, various forms of clinical internship start in the freshman year at the university hospital. In the 3rd grade, students take the Objective Structured Clinical Examination (OSCE) to ensure adequate competency in clinical settings before being allowed to embark on external clinical internships.

We expect students to develop a passion for life-long learning and to become physical therapists actively involved in many fields of healthcare, medical care, and welfare.



Department of Occupational Therapy

All people are involved in occupations from learning, playing and/or working to managing activities of their daily lives. Occupation in Occupational Therapy are those things that a person wants to do and needs to do. Occupational therapists help people (both with and without disabilities) across the lifespan to participate in occupations by helping regain, develop, build, and maintain these skills that are important for independent functioning, health, well-being and happiness. The Department of Occupational Therapy cultivates students' knowledge and professional skills (assessment, treatment and intervention with using occupations therapeutically and/or adjusting environment for enabling occupations) by offering a variety courses.



Department of Radiological Sciences



The Department of Radiological Sciences offers courses on diagnostic imaging technology, nuclear medicine technology, radiation therapy technology, and radiation control. Our educational philosophy emphasizes experiments and practical training. Equipment and programs play an important role in education, and diagnostic imaging systems commonly found in hospitals such as MRI, MDCT, and ultrasound are available to support the students in their studies. In addition, a linear accelerator for radiation therapy and a SPECT system have been set up for education, and are used for experiments and practical training.

Instruction is also given on medical data processing and attending to patients, so as to foster radiological technologists who can provide safe and high-quality diagnosis and therapy in this continually advancing field. The department's information technology system includes an image network connecting the various devices and software for image processing is also in place. Experienced professional staff support the students in their studies, and using these facilities and educational programs students are able to perform extensive experiments and receive practical training.

In order to nurture radiological technicians that combine knowledge, skillful use of technology and personality as a good medical staff, the department conducts seminar style small-group education and clinical training at the university hospital and nearby medical facilities.



Center for Humanities and Sciences



The Center for Humanities and Sciences is responsible for education in basic subjects. These basic subjects form the necessary educational foundation for their future activities as allied health professionals, as well as being important in providing a rounded education and character development that, after graduation, will enable them make a valuable contribution as members of society.

These subjects are taken in the first and second years of study at the university and are grouped into the following three courses: the Basic Science Course, comprising subjects such as biology, chemistry and

information science; the Communication Course, which in addition to foreign languages such as English and French, includes sociology, psychology, philosophy, Braille, sign language, and structured group encounter; and the Human Development Course, which includes sociology, economics, pedagogy, philosophy, psychology, and sports sciences.

The compass of the above courses can be said to be unusual in a university the size of Ibaraki Prefectural University of Health Sciences, but benefits students by giving them opportunity as future health professionals to contribute with a rich sensitivity and imagination to society.



Center for Medical Sciences

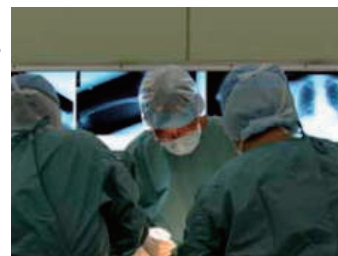
Healthcare professionals must be able to respond to diversifying healthcare medicine in line with changes in society, and future progress of medicine and medical technologies. The Center for Medical Sciences provides education in a wide range of fundamental medical sciences and medicine, from which students progress to more advanced studies. Well-equipped laboratories for physiology, cell biology, anatomy, pathology, microbiology and neurosciences have been established to assist research as well as education.

In particular, we provide a clinical skills training course during preclinical years in the university 'AiLabo' skill laboratory where students can receive clinical simulation education and acquire essential practical skills.

We also provide our senior students with health science research courses, some examples of which are:

- Microcirculation abnormalities and organ failure in lifestyle-disease
- Effectiveness of gait training with hybrid assistive limb in the field of neuro-rehabilitation
- Clinical and experimental studies on calcium phosphate-hybridized tendon grafts
- Autonomic nerve system abnormalities in septic condition
- MRI findings in patients with epilepsy
- Community gardens as health promoters in patient with mental disabilities
- Chlamydia pneumonia infection and atherosclerosis
- Clinical and experimental studies on neuroscience and rehabilitation

These advanced research courses play an important role in cultivating an in-depth understanding of the significance of medical sciences in healthcare professionals.



Graduate Program in Midwifery

The Graduate Program in Midwifery is a one-year post-baccalaureate program open to applicants holding a BSc in nursing, and is required to obtain national certification to practice as a midwife.

The needs of a society with a low birth rate requires midwives with the knowledge and skills to support families at the birth of a new life and possess the problem-solving skills and aspiration to bring change to the community. Through a study program based on academic and practical learning, the program trains midwives who will become community leaders in caring for families during pregnancy, childbirth and early infancy.

A feature of the program are the twin pillars of Active learning and Simulation-based learning which support the development and refining of students' midwifery skills. Through study methods such as Clinical Reasoning and Team-based Learning students learn about approaches to midwifery diagnosis, while concurrently practicing techniques for managing a variety of situations through Simulation Practice. A state-of-the-art Simulation Room equipped with a wide range of facilities allows students to practice skills in real-life settings, and is also available for students to use outside of class hours.

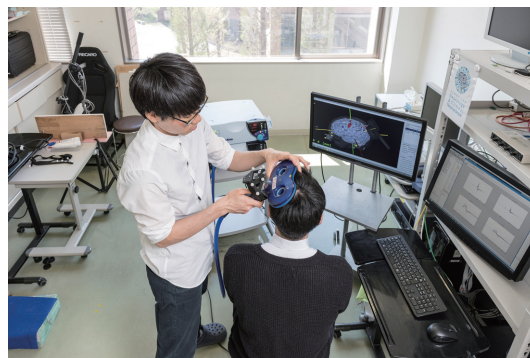
The curriculum also offers opportunities to develop inter-professional skills through cooperation with the university's four departments and two centers and also health and administrative professionals, so realizing a broad learning environment.



Graduate School of Health Sciences

The Graduate School of health sciences has the basic philosophy of contributing to health sciences through its research and education.

The master program was established in April 2001 and strives to nurture professionals of advanced healthcare who have the skills needed to research technologies related to nursing, physical therapy, occupational therapy, and radiological sciences, and to respond to the demands of various types of health care and medical treatment in an aging society with a declining birthrate. Students are advised to conduct research for these clinical demands.



In the major courses, specialist education builds upon the knowledge gained during the undergraduate courses, to turn students into advanced professionals of nursing, physical therapy, occupational therapy and radiological sciences. Students are also taught the basic skills required for teachers and researchers.



The PhD program was started in April 2010 with the purpose of producing specialists who have the advanced skills for client-centered practice attained through multidisciplinary approaches and research which underpins their scientific validity. The program also cultivates students who have advanced interdisciplinary and integrated knowledge and skills in health sciences able to play an active role internationally both as researchers and administrators at medical or welfare facilities.

University Hospital

The University Hospital was opened in December 1996, the first affiliated rehabilitation hospital of a public university of health sciences in Japan. The hospital also plays an important educational role, providing clinical training to students in an integrated university education system. In this way, the university contributes to educating skilled leaders who will work in local communities practicing medical care and teamwork techniques in the fields of welfare, health and medical care. Clinical researchers that contribute to the development of rehabilitation sciences are actively encouraged in the hospital, which is linked to various medical institutions and welfare facilities through a network. The hospital is also designated by the prefecture as the "Ibaraki Prefecture Regional Rehabilitation Promotion Center".

Objectives and roles of the University Hospital

- 1) Practice of high-quality clinical training (securing a place for student's clinical training)
- 2) Promoting education and research (securing a place for clinical research)
- 3) Contribution to regional medical care (promotion of rehabilitation medicine)

Hospital overview

Number of beds: 120 beds (93 beds for adults, 27 beds for children)

Clinical divisions: rehabilitation medicine, internal medicine, orthopedics, neurology, pediatrics, radiology, psychiatry, anesthesia



International Activities at IPUHS

Student Short-term Exchange Program

Exchanges between the university and Kaohsiung Medical University (KMU), Taiwan, started in June 2015 with a visit from students of the KMU Occupational Therapy department, and since then reciprocal visits have expanded to include the Nursing, Physical Therapy and Radiological Sciences departments. The relationship with KMU was formalized in June 2018 with the signing of the Memorandum of Understanding on Academic Collaboration between the universities, and provides the basis for a flourishing academic partnership.



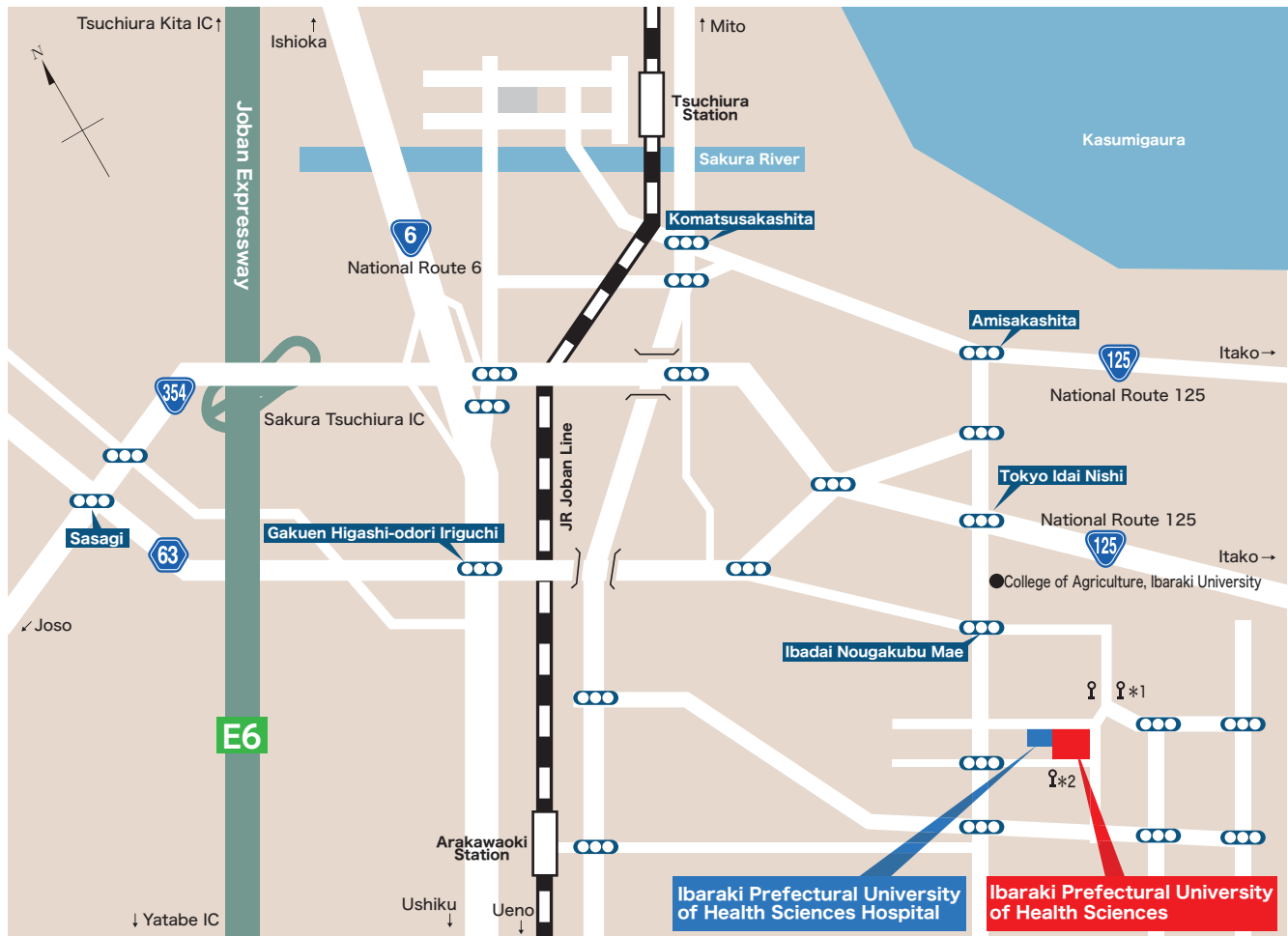
Invited Overseas Lecturer Program

The Invited Overseas Lecturer Program invites leading researchers and medical practitioners from overseas academic institutions, providing an opportunity for university staff to hear about the latest developments in the medical arena. Invitations are made on rotation by the four Departments and two Centers, with a varied roster of speakers from the United States, China, Singapore and Taiwan. Lecturers also hold seminars for students from the graduate school and take part in more informal academic exchanges such as the Science Café.

Overseas Study Program

The Overseas Study Program provides financial support for young researchers at the university to take part in short-term study programs at overseas centers of academic excellence, or carry out observation of health programs and practices in their local settings. Typically funding is for one staff member for a period of a week to ten days, with visits in recent years to countries such as the United States, Singapore, and Laos.

University Access



BY AIR

From Tokyo New International (Narita) Airport

Take the Airport Limousine bus to Tsuchiura station on the Joban Line. Buses leave Terminals 1 & 2 regularly with a journey time to the station of about 90 minutes.

From Ibaraki Airport

Take the bus to Ishioka station on the Joban Line. Buses leave regularly with a journey time to the station of about 30 minutes.

BY TRAIN

From the Joban Line Tsuchiura Station (West exit)

Take the bus for "Ami Chuo Kominkan" and get off at "Kenritsu Iryo Daigaku Iriguchi" (*1). From this stop the campus is about 8 minutes on foot. Buses leave approximately every 20 minutes with a journey time of about 25 minutes.

From the Joban Line Arakawaoki Station (East exit)

Take the bus for "Kenritsu Iryo Daigaku". Buses leave approximately every hour with a journey time of about 20 minutes. The last stop is in front of the main entrance of the university. (*2)

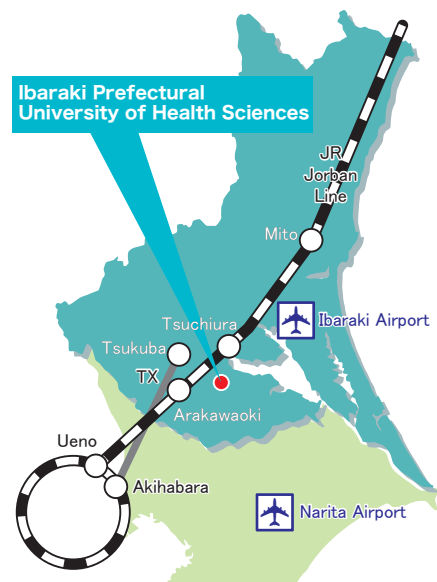
BY CAR

E6 : Joban Expressway

Take the Sakura Tsuchiura exit, from which the campus is about 20 minutes.

C4 : Ken-o Expressway

Take the Ami Higashi exit, from which the campus is about 20 minutes.



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