APPLICATION PROCEDURES FOR THE AUTUMN ADMISSION OF INTERNATIONAL STUDENTS TO FUJITA HEALTH UNIVERSITY

DOCTORAL COURSE
(AUTUMN ADMISSION)

FUJITA HEALTH UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES

1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi. 470-1192. Japan
TEL：+81-(0)562-93-2504　　FAX：+81-(0)562-93-4593

1 Department Program

Field	Departments
Medical Technology Sciences	Clinical Laboratory Sciences
Radiation Sciences	Radiological Sciences
Rehabilitation Sciences	Rehabilitation Therapy Sciences
Nursing Medical Sciences	Nursing Integrated Sciences

- For the convenience of working students（those currently working in a hospital, research or educational facility, company, etc.）, we currently hold day and evening classes. We have given special consideration to students to be able to easily obtain credits by offering classes at night（18:00–21:10）, on Saturdays, and during summer vacation.

- Working student applicants should first obtain the consent of their work supervisor to join this course. For more information on completing courses, carefully consult with and follow the instructions of the professor.

2 Department Choice

- Prior to application, be sure that applicants contact professors at the desired departments/laboratories.
- Some fields may require a Japanese medical professions license

3 Application Qualifications

Individuals who do not have Japanese citizenship and fulfill any of the criteria listed below by September 2023:

1) The applicant must have a master's or professional degree in Japan or be a candidate for graduation with a master's or professional degree in Japan.
2) The applicant must have a master's or professional degree with earned credits from a foreign correspondence course or be a candidate for graduation with a master's or professional degree in the same manner. *1

3) The applicant must have a master's or professional degree from a foreign educational institution with a graduate degree specified by the Minister of Education, Culture, Sports, Science and Technology – Japan, and be a candidate for graduation with a master's or professional degree from the same institution.

4) Individuals who demonstrate ability comparable to or higher than those in 1) to 3). *1

*1 Note：Because we do the screening for entrance eligibility in advance, those who want to make an application under the above 2) or 4) need to submit a letter of application to the Affairs Office (size: A4, form: free) .

4 Application Period

Start Date	Deadline
Monday, January 23, 2023	Friday, February 3, 2023

5 Date and Place of Examination

1) Date of Examination: Monday, February 13, 2023
2) Place of Examination:
Online examination (a place with a stable internet connection)

6 Application Procedure

Applicants must complete the online registration process, submit application documents (by post, in person or by email and submit the original after enrollment), and pay the examination fee.

1) Document submission:
Applicants must submit the following mandatory documents and other applicable documents listed below.

Mandatory documents

a.	Application confirmation card (Printed from My Page)	1 form
b.	Curriculum vitae（designated form）	1 form
c.	Latest or provisional certificate of degree or diploma	1 form
d.	Latest transcript	1 form
e.	Statement of purpose（designated form）	1 form
f.	Research planning（designated form）	1 form
g.	Recommendation letter	from 1 person
h.	Passport copy	1 copy

Additional documents required for certain applicants

i. Document granting permission from the current workplace（designated form）
(Only for working students) 1 form

j. Master's thesis (copy) 1 form
(Only for the individual who has a Master's degree)

Submit these documents by post, in person or by email to:

Fujita Health University, Graduate School of Health Sciences Affairs Office

Fujita Health University Building 2, 3rd Floor
1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi 470-1192 Japan
TEL：+81-562-93-2504
Email: hs-jimk2@fujita-hu.ac.jp ※CC: your supervisor
Office hours: 9:00–16:00 (weekdays)

When submitting documents by post, be sure to use registered mail or an equivalent postal method. Documents that arrive after the deadline will not be accepted.

- Any applicant whose current name does not match that on the certificate of graduation or any other documents is required to submit an official certification of the name change.

- Applicants who need special arrangements due to any physical disabilities need to inform us when applying.

- After applications forms are submitted, they are not allowed to be changed. The examination fee will not be returned for any reason.

2) Registration

Access the registration page:

https://exam.fujita-hu.ac.jp/gswe23eg/top.html

- Follow the instructions on this page to complete the online registration.
- Please carefully check the information you input before completing the registration. For requests to change any information after completing the online registration process, please contact the Graduate School Affairs Office.
- Be sure to write down or print out your My Page login information (user ID and password). This login information will be required every time that you need to access My Page.

7 How to Pay for the Examination Fee

1) The applicants should use a bank allowing foreign remittance (bank wire transfer) and transfer the examination fee of 20,000 Japanese yen into the following bank account.
2) Please do not send US dollars or other currencies. In case you make payment in currencies other than Japanese yen, your application will not be accepted.
3) Please note that you will have to bear all service charges/commissions for the bank transfer. There may be other bank transfer fees for correspondent banks (routing banks) as well. Please confirm these fees when you make the transfer.
4) Please make sure that you indicate to the remitting bank that you will bear all service charges/commission fees.
5) In the message column, write the name of the applicants in the alphabet clearly.
6) Please make sure to submit a copy of the certificate of the remittance (receipt) issued by the bank, along with the other application documents.

Bank Name	Sumitomo Mitsui Banking Corporation
Branch Name	Nagoya-Ekimae Branch
Bank Address	1-2-5 Meieki, Nakamura-ku Nagoya, Aichi 450-0002, Japan Postal Code : 450-0002
Telephone	+81-52-541-2371
SWIFT code	SMBCJPJT
Bank Account Number	402-626775
Bank Account・Address	FUJITA-GAKUEN 1-98 Dengakugakubo, Kutsukake-cho,Toyoake, Aichi 470-1192, JAPAN Postal Code : 470-1192
Telephone	+81-562-93-2000
Examination fee	20,000 JPY (+ all service charges/commission fees)
Method of payment	Advise & Pay
Payment period	Monday, January 23, 2023 - Friday, February 3, 2023

8 Examination Contents and Methods(online examination via Skype)

Contents	Document examination Oral examination

- The start time will be announced separately

- Contents of the oral examination
  Candidates first give a presentation about their research plan.
  Examiners ask about the content of the presentation

9 Announcement of Examination Result

- Examination results will be announced on the website between 3pm on February 22 and the noon of February 22, 2023.

- Successful applicants should contact the professors of desired departments/laboratories directory.

10 Enrollment Procedures

Each successful applicant will receive enrollment guidance with their notification of acceptance. Follow the directions of the guidance.

11 School Fees

Pay Enrollment Fee (150,000 yen) and part of the Tuition (300,000 yen) by Monday, February 27, 2023.
Please pay the rest of Tuition (450,000 yen) by Friday, March 31, 2023.

Enrollment Fee	150,000 yen
Tuition	750,000 yen
Total	900,000 yen

- The Enrollment Fee will not be returned under any circumstances.

- Tuition Reduction System (Doctor's Program)
  We have established a system to reduce the tuition for students who are devoting themselves to their own training or research under their supervisor and who haven’t signed a full-time employment contract.

If you apply for a tuition reduction system and are approved, the annual tuition fee of 750,000 yen will be reduced by 450,000 yen to 300,000 yen.

- Fujita Academy Grant

  Fujita Academy offers its own academic support "Fujita Academy Grant" for prospective international students who are experiencing financial hardship that makes it difficult to start/continue their studies despite tremendous motivation to study at Fujita Health University (FHU). Recipients do not need to repay this grant. Interested students need to contact the supervisor who will be accepting him/her and notify that his/her wishes to apply for the grant.

- Global Education and Research Grant

  Under the 2023 Grant-In-Aid from Fujita Health University “Global Education and Research Grant", the instructor who is planning to accept international graduate students hires them as research assistants for their international research project and submits the application. The subsidiary amount is 50,000 yen per person per month, and the number of acceptances is 2 to 4 students each year. Interested students need to contact the supervisor who will be accepting him/her and notify that his/her wish to apply for the grant.

１２ Declaration regarding the ‘Handling of Personal Information’

- This university will take all necessary measures for the proper handling and safe management of all personal information in accordance with the Act on the Protection of Personal Information.

- Personal information submitted at the time of application will only be used for procedures related to the admissions process.

- Personal information that is submitted will not be disclosed or submitted to any third party without an applicant’s consent, except in cases where disclosure is required by law.

１３ Contact Information for Application:

Fujita Health University Graduate School of Health Sciences Affairs Office
Fujita Health University Building 2, 3rd Floor
1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi 470-1192 Japan

TEL：+81-562-93-2504
FAX：+81-562-93-4593
E-mail：hs-jimk2@fujita-hu.ac.jp

１４ List of Major Subjects and Academic Advisors for 2023 Academic Year

*The major subjects and academic advisors may change as needed.

１）Department of Clinical Laboratory Sciences

Course Title	Course Aims and Research Subject
Graduate Thesis of Clinical Laboratory Sciences SAITO Kuniaki ICHINO Naohiro TAKEMATSU Hiromu NARUSE Hiroyuki IHIRA Masaru SUZUKI Koji MOURI Akihiro YAMADA Shigeki NAGAO Shizuko	Highly specialized knowledge can be acquired by conducting research activities on research themes. You will develop the ability to promote a series of research activities, such as setting research themes, drafting research plans, analyzing experiments, and writing dissertations. ***SAITO Kuniaki*** To understand the mechanism of biological responses from body in both healthy and various diseases condition, especially focus on the preemptive medicine, with using omics analysis such as proteome and metabolome analysis. To learn the impact for a personal health record and development for new technique for the new diagnostic system for drug efficacy, side effects, and companion diagnosis. 1. Amino acid metabolism and immunity 2. Preemptive medicine for blood new biomarker 3. Scientific evaluation of functional foods ***ICHINO Naohiro*** Current ultrasonography has made it possible to measure tissue stiffness. We will provide research for the early detection and diagnosis of diseases by applying this technology. Specifically, research guidance will be provided on the following topics. 1. A novel scoring system for non-invasive and differential diagnosis of NAFLD/NASH. 2. Development of biomarkers for pre-arteriosclerosis diagnosis to preemptive medicine. ***TAKEMATSU Hiromu*** How to conduct research activity in the laboratory will be the starting point for development of researchers. Therefore, candidate students will be trained to acquire research skills. Following are projected studies students would be involved, aiming to understand still elusive functions of cellular glycans and lipids 1. Glycan-mediated signal modification downstream of B cell antigen receptor to produce antibody 2. CRISPR gene-editing screening for genetic understanding of cellular factors required for giant cell formation through endomitosis 3. Glycan/Lipid functional analyses utilizing genetically modified model organisms/cells ***NARUSE Hiroyuki*** Comprehensively analyze clinical data of various cardiovascular diseases and clarify the pathophysiology of the diseases. 1. Identification of high-risk plaques in patients with coronary artery disease 2. Efficacy of the COVID-19 vaccine in patients with cardiovascular disease ***IHIRA Masaru*** Through clinical virological research, we will provide research for elucidate the pathogenesis of herpesvirus infection, such as HHV-6 and VZV, and reactivated infection following transplantation. 1. Elucidation of pathogenesis of immunosuppressed patients who infected HHV-6, such as organ transplantation. 2. Development of rapid diagnostic method for new biomarkers using isothermal amplification method

Course Title	Course Aims and Research Subject
Graduate Thesis of Clinical Laboratory Sciences SAITO Kuniaki ICHINO Naohiro TAKEMATSU Hiromu NARUSE Hiroyuki IHIRA Masaru SUZUKI Koji MOURI Akihiro YAMADA Shigeki NAGAO Shizuko	***SUZUKI Koji*** Through molecular epidemiological study using high-performance liquid chromatography and molecular biology techniques, we will contribute to elucidating the mechanism of lifestyle related diseases and aim to establish disease prevention from a new perspective. 1. Molecular epidemiological study on prevention of lifestyle-related diseases 2. Large-scale cohort study of cancer risk factors ***MOURI Akihiro*** Neuropsychiatric disorders such as Alzheimer's disease, Parkinson's disease, depression, schizophrenia, and autism are the targets of research and investigated using patients' blood and other clinical samples. We translate epidemiological and genetic findings in humans to mice and create mouse models of neuropsychiatric disorders to explore pathophysiology and pathogenesis using behavioral, pharmacological and neurochemical techniques. Based on the these studies, we try to develop new therapeutics, functional foods, and diagnostic biomarkers and conduct translational research to contribute healthy society and development of medicine. 1. Elucidating the pathophysiology of neuropsychiatric disorders using clinical samples and animal models 2. Developing pharmaceuticals and functional foods by basic research using animal models of neuropsychiatric diseases 3. Searching for biomarkers and developing diagnostic drugs for neuropsychiatric diseases ***YAMADA Shigeki*** 1. Evaluation of efficacy and safety of pharmaceuticals in clinical practice 2. Proper use of pharmaceuticals based on pharmacokinetics ***NAGAO Shizuko*** To aim to elucidate cell signaling pathways in the diseases including genetic disorders and lifestyle-related disorders obtained from genome editing animals, transgenic animals, spontaneous disease models, primary cells, cell lines or iPS cells. Also, to aim to apply clinical medicines by activating or suppressing the obtained abnormal cell signaling pathways. 1. Drug development targeting signal transduction 2. Drug development using comprehensive omics analysis of in vitro and/ or in vivo disease model

2）Department of Radiological Sciences

Course Title	Course Aims and Research Subject
Graduate Thesis of Radiological Sciences KOBAYASHI Shigeki ASADA Yasuki TERAMOTO Atsushi TAKATSU Yasuo	In this course, we conduct extensive research essential for the development of researchers and educators with knowledge of cutting-edge radiological science and technology. We analyze and understand the functions and structure of the human body using biometric information obtained from medical images, and practice and provide guidance on cutting-edge radiation medicine application research with a focus on research themes related to diagnostic imaging based on morphology and functional information. We provide paper guidance that can transmit information to society by presenting them in academic societies and academic journals in radiological sciences. ***KOBAYASHI Shigeki*** To understand the principles of photon-counting X-ray measurement and how to utilize energy information. We conduct a basic study on the imaging image and material identification function using a photon counting type X-ray detector and conduct research on the development of next-generation mammography for clinical use. For imaging modalities such as CT, MRI, and RI, we also conduct research on clinically useful software development using artificial intelligence (A.I.). ***ASADA Yasuki*** The aim is to study on radiation exposure of the diagnostic X-ray which the medical stuff included, to write a doctoral thesis. In that, to learn the choice of the study theme, the review of previous studies, planning of the study plan, experiment, and discussion in a series of process of writing paper. In addition, through the writing of the doctoral thesis, to learn the conscience of the scientist, the attitude toward study, an original idea, the way of the study. The theme is gathered to following three. 1. Study on evaluation of the patient doses for diagnostic X-ray examinations 2. Study on measurement of the patient doses for diagnostic X-ray examinations 3. Study on occupational radiation exposure of the medical stuff ***TERAMOTO Atsushi*** 1. Development of disease detection and analysis technology using artificial intelligence 2. Development of high-resolution CT imaging technology ***TAKATSU Yasuo*** 1. Pathological analysis using MR images 2. Quantitative evaluation of physical phenomena in MRI

3）Department of Rehabilitation Therapy Sciences

Course Title	Course Aims and Research Subject
Graduate Thesis of Rehabilitation Therapy Sciences KANADA Yoshikiyo SAKURAI Hiroaki TERANISHI Toshio YAMADA Kouji INAMOTO Yoko ONOGI Keiko TANABE Shigeo TAKEDA Kotaro	In this seminar, students will conduct research related to rehabilitation, the science of helping recover the activities. In research on physical therapist education, we will examine educational methods for training medical staff who can contribute to team medical care and have high teaching ability. This study also includes topics on the adequacy of clinical education and clinical training using Objective Structured Clinical Examination (OSCE) in physical therapists. This study also includes the topic of practical training in training instructors. Also, a new educational system that strengthens cooperation between university teachers and practical training instructors will be explained. Specifically, to standardize clinical skills, clinical skills will be practiced through simulated patients with stroke and osteoarticular systems. In research on motor systems, we will research motor control, motor learning, and rehabilitation engineering. Specifically, we will conduct basic research in simulated patients and clinical research in patients on postural control during movement, therapeutic learning, rehabilitation robots, etc. Through advice for the thesis, the students will have the skills to present their findings at academic conferences and academic journals in their specialized fields and disseminate information to society. ***KANADA Yoshikiyo*** We will try to explain all topics related to physical therapist education from a scientific perspective and the perspective of Evidence-Based Medicine (EBM). Specifically, the following points: 1. What is a physical therapist with high quality? 2. The evaluation scale of the skills of physical therapists. The following are specific themes. 1. Studies on the outcomes of physical therapist education 2. Studies on the standardization of treatment techniques for physical therapists 3. Studies on the clinical training guide for physical therapists 4. Studies on the student, novice physical therapist, and patient education ***SAKURAI Hiroaki*** We will try to explain how to train highly skilled medical staff who can contribute to team medical care. 1. Studies on the clinical technical education and clinical training using Objective structured Clinical Examination (OSCE) 2. Studies on the efficiency improvement of clinical training by training of practical training instructors 3. Studies on the new educational guidance system for physical therapists 4. Studies on the standardization of treatment techniques for physical therapists 5. Studies on the usefulness of Objective Structured Clinical Examination (OSCE), Problem Based Learning (PBL), and Team-Based Learning (TBL) 6. Studies on the development of clinical competence assessment methods 7. Studies on the postgraduate education of novice physical therapists 8. Studies on the patient guidance methods ***TERANISHI Toshio*** With the advancement of medical specialization and differentiation, problems that cannot be solved without the cooperation of professionals are occurring. In this special research, a doctoral thesis will be created using keywords such as activity, intervention, and behavior change. In the course, students will learn a series of a doctoral thesis writing processes, such as selecting a research theme, reviewing previous research, drafting a research plan, experimenting, and considering. In addition, through writing a doctoral thesis, students will learn how to conduct research, including the conscience of scientists, attitudes toward research, and creative ideas. Themes are summarized in the following four. 1. Research on posture and movement of patients and healthcare workers. 2. Research on quantitative measurement of spasticity 3. Research on fall prevention, fall risk evaluation and patient management. 4. Research on time study and consequences of rehabilitation intervention.

Course Title	Course Aims and Research Subject
Graduate Thesis of Rehabilitation Therapy Sciences KANADA Yoshikiyo SAKURAI Hiroaki TERANISHI Toshio YAMADA Kouji INAMOTO Yoko ONOGI Keiko TANABE Shigeo TAKEDA Kotaro	***YAMADA Kouji*** Based on gross and histological knowledge and theory of skeletal muscle, bone, ligaments, tendons, and joints, based on morphological and structural observations regarding problems that occur in the rehabilitation treatment process in clinical practice, judgment of prognosis, etc. Research on the functional analysis that does not stay in range, and create a doctoral dissertation. Further, the present invention is similarly carried out in the biological control field of neural control and humoral control. In this process, students learn the attitude toward research as a scientist through a series of doctoral dissertation creation processes, such as devising research themes, clarifying the progress of prior research, drafting research plans, conducting experiments, and studying. 1. Research from a preventive medical point of view applied to humans from basic research using disease model animals. 2. Structural analysis methods such as bone morphometry and biochemical analysis of humoral factors. 3. Research on biological control mechanism by humoral factors represented by myokines. ***INAMOTO Yoko*** This course will conduct a research related to swallowing and dysphagia rehabilitation. Research goal is to elucidate the physiology of swallowing, to characterize the factors underlying dysphagia, and to elaborate the swallowing exercise using kinematic and/or kinetic analysis, such as videofluoroscopy, swallowing CT, and high resolution manometry. Specific research interests include the mechanism of airway protection during swallowing, mechanism of UES opening/relaxation, kinetic effect of swallowing maneuvers, tongue and pharyngeal strengthening exercise, and intensive dysphagia treatment. Focused areas: 1. Studies on the physiology of swallowing 2. Studies of the pathophysiology of dysphagia 3. Studies on the swallowing exercise and maneuvers ***ONOGI Keiko*** The seamless medical cooperation from the acute stage to the maintenance stage is needed in the aging society. In this course, a doctoral dissertation will be created using the key words ‘elderly care’. Students will master writing processes of articles such as consideration of a research theme, review of previous researches, drafting a research plan, experiment, and discussion. And students will learn the conscience of scientists, the attitude toward research, the original ideas, and the way of research. Themes are grouped into the following three, 1. Research for deconditioning of elderly 2. Research for relationship of functional independence of patients and burden of caregivers 3.Research for dysphagia of patients with cognitive disorders ***TANABE Shigeo*** We will conduct research related to rehabilitation therapy science, especially rehabilitation engineering. Rehabilitation engineering is research field to develop practical devices and methods based on clinical problems and requests. The following are specific themes. 1. Studies on the rehabilitation robots 2. Studies on the development of motion analysis and treatment methods ***TAKEDA Kotaro*** Based on instrumentation engineering, rehabilitation engineering, neuroscience, and cognitive science, the following studies on biomedical measurement, clinical evaluation, and intervention will be conducted. 1. Studies on the scalp electroencephalogram and surface electromyogram 2. Studies on the clinical evaluation and database 3. Studies on motion analysis 4. Studies on motor imagery

4） Department of Nursing Integrated Sciences

Course Title	Course Aims and Research Subject
Graduate Thesis of Nursing Integrated Sciences SUGAMA Junko MURAYAMA Ryoko TAKEHARA Kimie	In the special research, students conduct research on the construction of evidence in nursing and its social implementation and prepare a doctoral dissertation. In the process, students learn a series of dissertation writing processes, including selection of a research theme, review of previous research, planning of a research plan, experimentation and investigation, and discussion. In addition, students learn the conscience and ethics as scientists, their attitude toward research, original ideas, and the nature of research through the preparation of their doctoral dissertations. The major research topics are as follows: ***SUGAMA Junko*** 1. Development of evidence and its implementation for prevention and management of chronic wound and vulnerable skin tissue 2. Development of evidence and its implementation for nursing interventions and clinical skills 3. Evaluation of nursing role and function in the interdisciplinary approach to the health care ***MURAYAMA Ryoko*** 1. Research on the creation of evidence-based nursing technology and the construction of systems for social implementation 2. Research on the development of educational programs including the development of teaching materials and human resource development for the dissemination of nursing technology and its social implementation ***TAKEHARA Kimie*** 1. Research on the development and social implementation of diabetic foot ulcer preventive care and assessment technology using nursing science and engineering methods 2. Research on a series or part of the process to create of advanced new nursing care by the clinical seeds and its social implementation (i.e., its widespread return to clinical field) 3. Research on the working environment and education of nurses, and patient education