



The Student Recruitment Guideline for the Year 2021

Graduate School of Kagawa Nutrition University

Master's Program <Nutritional Science Degree Program>

1. Purpose and Content

The purpose of the University's master's program (first half of the doctoral program) is to help students gain academic knowledge regarding nutrition sciences from a broader perspective on the foundation of the basic education and specialized training acquired in the Undergraduate School of Nutrition Sciences, develop the ability to conduct research in an area of specialization or advanced practical abilities, and contribute to society. In addition, with the creation of the Undergraduate School of Nutrition Sciences, the University has engaged in education related to basic nutrition sciences and training in applied nutrition sciences as its educational aim, and has emphasized it as unique academic knowledge, and the educational policy for this program as well is to aim for advanced learning in applied nutrition sciences. The courses, faculty members, and research areas are as follows. With these, we will cultivate people who are able to resolve issues related to nutrition in today's Japan and international community and those of the future, and take on the responsibility of development. Specifically, we will develop researchers and advanced human resources related to the areas of basic nutrition sciences, applied nutrition sciences, biological sciences, food culture sciences, and food sciences. Information on development of advanced human resources can be found under "Overview of the Advanced Human Resources Development Program." We apply the stipulations of Article 14 of the Standards for the Establishment of Graduate Schools (Special Provisions on Education Methods) and hold some courses of this major program on Saturday at the Sakado Campus. Necessary research guidance can be conducted at night or other specific times, or at other graduate schools or research laboratories, etc., for no more than one year, in accordance with discussions with those organizations. In addition, the University's Graduate School Nutrition Sciences Major "Course Certification Program" (program name: Program for Development of Advanced Human Resources Related to Establishment of Dietary Environments to Extend the Length of Healthy Lives) which has been certified by the Ministry of Education, Culture, Sports, Science and Technology as a "Brush up Program for Professional" (BP) was started during the 2016 academic year.

2. Enrollment capacity: 10 students (Total capacity: 20)

3. Standard length of course of study: 2 years

4. Academic Degree: Master's (Nutrition)

Master's degrees (Nutrition) are awarded to students who have been enrolled in the master's program for at least two years, earned at least 30 credits in course work under the guidance of advisors, and passed a master's thesis (or advanced human resources development training results report in the case of the Advanced Human Resources Development Program) review and a final examination.

5. Courses, Credits, Assigned Faculty Members

The courses, number of credits, and assigned faculty members in the Nutrition Sciences Major are as indicated in the table on the following page. When individuals who have acquired junior/senior high school teacher Class-1 certification (home economics) take the specified courses, they can acquire junior/senior high school teacher special certification (home economics), and when those who have acquired nutrition teacher Class-1 certification take the specified courses, they can acquire nutrition teacher special certification. Further, in the Food Services Management Program and Food Analysis/Quality Control Program of the Advanced Human Resources Development Program, qualified dietitians from the Nutrition Sciences Major of the University's Department of Health and Nutrition gain practical experience as dietitians at an on-campus facility while enrolled in the University's Graduate School, and can acquire eligibility for the national exam to become a registered dietitian.

6. Overview of Research Guidance

The following is an overview of research guidance for writing a master's thesis. The courses are Specialized Seminar in Nutrition Sciences (2 credits) and Specialized Laboratory Work and Practical Training Seminar in Nutrition Sciences (12 credits). Advisors (faculty members who conduct research guidance, etc.) recruiting students for the new academic year are the full-time faculty members listed below.

Human Growth and Development Studies, Shigeho Tanaka, Professor

Learn how to collect and interpret scientific findings, methodologies of evaluation and experimental planning, and how to interpret results on energy requirements and lifestyle habits including physical activity, sedentary behavior, sleep, and diet among children, adults, and the elderly, which will be helpful for understanding issues related to energy requirements and lifestyle habits and improving the ability to identify and solve problems.

Basic Nutrition, Terue Kawabata, Professor

- (1) Consider how the relationship between the amount/quality of dietary fatty acids (saturation/n-6 and n-3/trans fatty acids, etc.) has an effect on lifestyle diseases (obesity, hyperlipidemia, diabetes, etc.), including the effects of gene polymorphisms, through human observational/interventional studies or animal testing.
- (2) Explore the relationship between maternal nutrition during pregnancy and lactation (e.g., DHA, folic acid, vitamins A, D, E, and amino acids) and growth/development of the fetus/newborns/infants, based on data from the birth cohort study.

(3) Explore the relationship between diet and anti-inflammatory/antioxidant effects, including the influence of genetic polymorphisms, through observational and intervention studies of humans.

Physiological Nutrition, Kazuhiro Uenishi, Professor

(1) Changes in bone mass are influenced by lifestyle habits such as diet and exercise. From the perspectives of epidemiology and experimental nutrition, this course will extensively examine and discuss the influences of lifestyle and intake of minerals, including calcium, and vitamins D and K on bone mass in the growth to elderly stages in life.

It will also discuss:

- (2) Absorption and use of calcium and several other minerals by humans, from the perspective of experimental nutrition;
- (3) Involvement of athletes with nutrition, through research and interventional studies; and
- (4) Lifestyles and physical conditions in the growth stage, in a longitudinal and cross-sectional manner.

Medical Nutrition, Keiko Honda, Professor

Conduct research on the amount of nutrient components of nutrition and diet therapy in metabolic disorder patients and disabled individuals, as well as the energy ratio, form of food, dietary behavior, etc. In addition, conduct research on standardization of idiomatic expressions related to nutrition and diet therapy, and research on development of nutrition education guidelines that maintain and improve QOL and outcomes and indicators of nutrition and diet therapy.

Nutrition Management, Hiromi Ishida, Professor

Conduct research on nutritional evaluation and diet management aimed at nutritional management for individuals/small groups (growth period, during pregnancy/breastfeeding, athletes, etc.) or users of specific food service facilities. In addition, conduct research on quality/production control systems at specific food service facilities, for the perspective of nutrition management.

Nutrition Education, Fumi Hayashi, Associate Professor

In Nutrition Education, we aim to change the dietary behavior of the target population to improve QOL, promote health, and prevent diseases. However, the health and nutritional issues of individuals differ depending on their life stage and lifestyle. Therefore, we conduct research on effective nutrition education methodologies based on behavioral science, as well as identify factors associated with priority issues. The target for research involves a broad range of subjects from individuals to communities.

Community Nutrition, Yukari Takemi, Professor

As research on Community Nutrition, conduct assessment of the health and nutritional condition of communities and occupational groups as well as research on the improvement of dietary habits and optimization of food environment based on the assessment. Specifically, the course includes research for the assessment of priority nutritional issues for communities and occupational groups, development of assessment tools and evaluation indicators, and research on food environment optimization.

Health Management at School, Nobuko Endo, Professor

Provide guidance for research on current status analysis and measures for various issues related to the physical and psychological health and health management of schoolchildren and research on education methods and program development for health management, from the perspectives of nutrition science and nutrition teachers.

Molecular Nutrition, Akiko Fukushima, Professor

Conduct research, at the gene level, on the process up to the point at which dietary factors express their function. Up to the point of genetic expression, the process is accompanied by transcriptional factors and many structural changes of chromosomes. These are analyzed mainly using molecular biology techniques. In addition, the lactase expression lowering mechanism in the weaning period is also being analyzed.

Biochemistry, Kazuhiko Yamada, Professor

The digestive tract is an organ that ingests food and excrete residues, but it is an organ that is in wide contact with the external environment despite being inside the body. We explain that dietary polymer compounds are absorbed while being decomposed into low molecules in order. In particular, we research the enzymatic specificity of various types of digestive enzyme present in the pancreas and small intestinal epithelial cells and responsiveness to the dietary environment.

Physiology, Masako Kimura, Associate Professor

Skeletal muscle is a special tissue consisting of an extremely regular series of repetitions and is an excellent research material that can connect micro and macro viewpoints to changes that occur in vivo. Based on the theme of “skeletal muscle,” explore the relationship between “tissue water” and “muscle contractions/muscle structure” through electrophysiological or imaging methods, by adding artificial fluctuation to the water environment in the tissue.

Food Culture Anthropology, Akiko Moriya, Associate Professor

Conduct research on the social and cultural aspects of food from the perspective of cultural anthropology, asking what food means to humans. Conduct on-site field investigations aligned with the theme, whether in Japan or overseas, and consider the findings from a comparative cultural theory perspective.

Environmental Education, Rie Imoto, Professor

Conduct research on the relationship between dietary attitudes and behaviors and the environment from the perspective of housing studies and environmental education. The themes are to be selected among the issues described on below.

- (1) Research on coordination of eating spaces and other aspects of the dietary environment
- (2) Theoretical consideration of the relationship between dietary attitudes and behaviors and environmental problems, and research on the ideal practical nature of the content and methods of related education. Explore the ideal nature of dietary environment education, including environmental ethics, legal systems, economic mechanisms, and culture, in school education and social education, from the perspective of ESD (education for sustainable development).

Food Analysis, Teruyuki Usui, Professor

Conduct research on how food components (sugar, amino acids, aroma, etc.) change as well as food components and functionality. Elucidate the unexplained aspects of food components mainly based on experiments using analytical instruments and functional analysis experiments using cultured cells. In addition, develop new analytical indicators in food analysis. The research themes will be determined after discussions.

Food Ingredient Development, Masataka Saito, Associate Professor

Prepare food-derived functional ingredients and evaluate their effectiveness as ingredients of food. In particular, conduct comparative analyses of known food ingredients by evaluating human cultured cells and analyzing data on metabolome in tissue, etc., asking what kind of food ingredient has high function in tissue. Further, this course will teach on the methodologies to explore effective production methods, and clarify the mechanism of functions on human tissues. The cooperation with national research institutes and private businesses to tie it to food ingredient development that can be applied to the functionality and quality control of food ingredients.

Food Functions, Toshihide Nishimura, Professor

This course will conduct research on food taste and nutritional functions. Specifically, it will focus on koku (rich flavor) and figure out what materials contribute to the shaping and enhancement of koku flavor found in meat, meat products, butter, and egg yolks and how they do so. The course will also elucidate the antioxidant effect of proteins and peptides contained in livestock food products, through material analysis

and methods using genetically modified mice. Recently, we have newly developed KO-mice which do not synthesize imidazole dipeptides such as carnosine and anserine possessing antioxidant activity. Since these peptides are abundantly contained in muscle and brain. So, the research to clarify the physiological function of imidazole dipeptides in body is going on using KO-mice described above.

Food Preparation Science, Keiko Shibata, Associate Professor

Conduct multifaceted analysis and examination of changes to the physical properties, structure, and components of food caused by cooking through physical and chemical measurement and sensory evaluation, etc., and conduct research on the relationship to palatability (texture, taste, and flavor in particular). In addition, examine scientific elucidation of the state of food that fluctuates during the cooking process and the cooking properties of food ingredients, and conduct research on rational cooking.

Food Preparation, Fumiko Konishi, Professor

Conduct research on cooking or dietary habits and health. The themes are as follows.

- (1) Verification of the preventive effect of mucuna pruriens on Alzheimer's disease
 - (2) Points of difficulty and development of effective guidance methods in university students' kitchen knife skills
- Other themes are also possible. Make the decision through discussion.

Overview of the Highly Skilled Human Resources Development Program

Now is the time for professionals who implement human nutrition science.

Nutrition and diet are becoming increasingly important in Japan, where the declining birthrate and the aging of the population are advancing, in order to extend the healthy lifespan of people. In the Nutrition Sciences Major, we develop advanced human resources who implement nutrition science in society, through the following programs. In addition to specialized experiments, practical training, comprehensive exercises, and other courses required by the master's program, students also take required courses designated by the individual program. In addition, students gain the ability to explore and utilize scientific rationale, the ability to plan and implement more advanced experiments and investigations, the ability to analyze data, the ability to think logically, and other qualities required for advanced human resources, mainly through off-campus on-site practical training and other unique methods of learning indicated below. Students can earn a master's degree (Nutrition Sciences) by compiling the findings of their research in a master's thesis (advanced human resources development training results report).

Specialized Program	Aim of Development Available Credentials and Qualifications	Characteristics of the Study Method	Students We Seek	Main Assigned Faculty Members (Area)
Clinical Nutrition (Medical)	Students acquire nutrition management skills for clinical settings, including the ability to evaluate the nutritional status of diseases and pathological conditions, nutritional supply, nutrition education, etc., with expertise in clinical nutrition needed for the scientific verification and implementation of the integration of food and health clarified. Acquire eligibility to take certification examinations from academic societies related to the field of clinical nutrition (planned).	Conduct practical training for approximately six months at special functioning hospitals, etc., as an internship. Experience actual clinical nutrition management related to the issues students have set, at the same time writing reports on nutrition management cases, and compile them into a master's thesis.	(1) Students advancing straight from an undergraduate program to a master's program (Individuals expecting to acquire eligibility for the national exam to become a registered dietitian) (2) Registered dietitians working in the clinical nutrition area	Keiko Honda, Professor (Medical Nutrition)
Public Nutrition (Administrative Dietitian/Community Nutrition Activities)	Acquire the skills to promote work based on the identification and analysis of the actual circumstances of the health and nutrition issues of local residents in prefectures and municipalities, and the ability to (1) design investigations and analyze data and (2) present information to relevant parties in the area in an easy-to-understand manner, and collaborate with them as needed for the planning and evaluation of effective projects.	Conduct practical training for approximately six months with the cooperation of either (1) a local municipality (Prefectures/, cities/towns/villages) or (2) a private firm engaging in establishment of dietary environments. Using existing data etc., conduct an investigation of regional diagnosis, etc., related to the issues you have set, and compile them in a master's thesis.	(1) Students advancing straight from an undergraduate program to a master's program (Individuals expecting to acquire eligibility for the national exam to become a registered dietitian) (2) Currently active administrative dietitians and other people currently working in the field of public nutrition	Yukari Takemi, Professor (Community Nutrition) Fumi Hayashi, Associate Professor (Nutrition Education)
Food Services Management*	Acquire the ability to manage organizations so that the latest nutritional knowledge can be utilized in food services, and the ability to apply the acquired knowledge and link it to the projects and activities of the organization with which you are affiliated, and identify and improve problems with current circumstances.	This overlaps with the BP (Program for Development of Advanced Human Resources Related to Establishment of Dietary Environments to Extend the Length of Healthy Lives) of the Ministry of Education, Culture, Sports, Science and Technology. Students can acquire certificates of completion for the program taken.)	(1) Students advancing straight from an undergraduate program to a master's program (2) Registered dietitians working in the food services management area (3) Individuals currently working in food services	Hiromi Ishida, Professor (Nutrition Management)

Sports Nutrition	Acquire the skills to manage the nutrition of athletes, and the skill to provide meals aligned with the aims of nutrition management in small groups.	Incorporate practical training at a location where support for the nutrition of athletes can be implemented under the guidance of a registered dietitian or practical training involving support for a certain competitive team or teams.	(1) Students advancing straight from an undergraduate program to a master's program (Individuals expecting to acquire eligibility for the national exam to become a registered dietitian) (2) Registered dietitians who have already graduated	Kazuhiro Uenishi, Professor (Physiological Nutrition) Hiromi Ishida, Professor (Nutrition Management)
Global Nutrition	Acquire the international perspective, multicultural understanding, an understanding of international nutrition policy, program planning and implementation management skills, etc., necessary to improve daily living and to conduct activities to improve nutrition, mainly in the field of international cooperation in developing countries, etc.	Conduct practical training for several months in agencies/organizations related to international health and nutrition as an internship. (Select appropriate domestic and foreign institutions according to the applicant's background and language skills.)	(1) Students with a background in nutrition sciences (2) We welcome students from other fields who are experienced in international cooperation or who would like to participate in the field of international nutrition in the future.	
Food Analysis/Quality Control*	In addition to deepening knowledge related to food analysis and quality control, acquire expertise in improving the quality of food and optimizing display through training in logical thinking and experimental techniques (functional ingredient analysis, quantitative analysis).	Conduct experiments such as chemical quality evaluation of food and analysis of functional ingredients. Experience food labeling such as nutrition labeling. Conduct food analysis for approximately six months at public and private research institutes as an internship.	(1) Students advancing straight from an undergraduate program to a master's program (2) Students with a background in nutrition sciences registered dietitian)	Masataka Saito, Associate Professor (Food Ingredient Development) Kazuhiko Yamada, Professor (Biochemistry)

* [Food Services Management Program] [Food Analysis/Quality Control Program] Qualified dietitians from the Nutrition Sciences Major of the University's Department of Health and Nutrition gain practical experience at an on-campus facility while enrolled in the University's Graduate School, and can also work toward acquisition of eligibility for the national exam to become a registered dietitian. [Dietitian Practical Experience Program]

Master's Program <Health Science Program>

1. Purpose and Content

Currently, creation of a healthcare system in Japan that can cope with a super-aging society and improvement of the quality of medical staff for crisis management and the ability to respond to new infectious diseases and pandemics both in Japan and abroad are required.

This program strives to contribute to promotion of health and creation of a society that makes it possible, by developing healthcare specialists who have the expertise and crisis management capabilities, as well as, high ethical standards that enable them to respond to the needs of contemporary society from a global perspective.

Specific contents of the development of researchers are as given in the overview of courses, faculty members, and research guidance, etc., below. The aim is to cultivate human resources who can take leadership in the three fields of health sciences, clinical pathological biochemistry, and practical school health sciences. In other words, the aim is to develop 1) specialists in health education and community healthcare/healthcare services, 2) researchers who can identify the true nature of diseases in clinical settings, and 3) specialized professionals who acquire yogo and health teacher certification.

Meanwhile, as shown in the table "Overview of the Advanced Human Resources Development Program" for the Advanced Human Resources Development Program established in the 2017 academic year, we cultivate human resources capable of responding to social needs through on-site training. The contents are as follows.

1) In Health Sciences, we develop human resources who are excellent in health education and can be active in health promotion centers and sports-related groups. 2) In Clinical Pathological Biochemistry, we develop registered dietitians who are engaged in nutrition guidance work while utilizing the knowledge of clinical laboratory technicians, and who acquire eligibility for the national exam to become a registered dietitian, and are thoroughly familiar with the field of testing. In addition, 3) in Practical School Health Sciences, we develop current yogo teachers who have the advanced expertise needed to become leading members who lead the way in creating new schools (team schools). We apply the stipulations of Article 14 of the Standards for the Establishment of Graduate Schools (Special Provisions on Education Methods) and hold some courses of this major program on Saturday and on weekday evenings at the Sakado Campus. Necessary research guidance can be conducted at night or other specific times, or at other graduate schools or research laboratories, etc., for no more than one

year, in accordance with discussions with those organizations.

2. Enrollment capacity: 10 students (Total capacity: 20)

3. Standard length of course of study: 2 years

4. Degree: Master's (Health Sciences)

Master's degrees (Health Sciences) are awarded to students who have been enrolled in the master's program for at least two years, earned at least 30 credits in course work under the guidance of advisors, and passed a master's thesis (or advanced human resources development training results report in the case of the Advanced Human Resources Development Program) review and a final examination.

5. Courses, Credits, Assigned Faculty Members

The courses, number of credits, and assigned faculty members in the Health Sciences Major are as indicated in the table on the following page.

When individuals who have acquired nutrition teacher Class-1 certification take the specified courses, they can acquire nutrition teacher special certification, and when individuals who have acquired junior/senior high school teacher Class-1 certification (health) take the specified courses, they can acquire junior/senior high school teacher special certification (health).

In addition, in the Nutrition Support Clinical Laboratory Technician Program of the Advanced Human Resources Development Program, students in the Nutrition Sciences Major of the University's Department of Health and Nutrition who expect to acquire qualifications as dietitians and clinical laboratory technicians, or graduates who have already acquire both qualifications, can acquire eligibility for the national exam to become a registered dietitian in their second year. (For details, see the Overview of the Advanced Human Resources Development Program of the Health Sciences Major.)

6. Overview of Research Guidance

The following is an overview of research guidance for writing a master's thesis. The courses are seminars (2 credits) and laboratory work and practical training (12 credits). Advisors (faculty members who conduct research guidance, etc.) recruiting students for the new academic year are the full-time faculty members listed below.

Environmental Health, Ken Kawamura, Professor

Substances in the environment invade and move to living organisms through various routes and are involved in the onset of diseases and health while being modified by metabolism, etc. We conduct research on in vivo dynamics and action using experimental pathological or epidemiological methods.

Community Health, Shouji Shinkai, Professor

Through participation in a long-term longitudinal study conducted by the Tokyo Metropolitan Institute of Gerontology, learn the basics of epidemiological research and analyze data by setting one's own tasks. Furthermore, participate in an urban development project for health and longevity conducted in Tokyo and gain experience in cross-professional collaboration. Based on the above, carry out basic research and practical activities related to community health.

Health Statistics, Hiromitsu Ogata, Professor

Reasonable evidence regarding the impact of lifestyle and environmental factors is necessary to take appropriate measures regarding lifestyle and environmental factors on health. We conduct research guidance on the following issues, aiming to achieve research that will serve as such evidence.

- (1) Research on statistical analysis using epidemiological data and clinical data, etc.
- (2) Research on the creation/building of methodology and statistical models for health risk assessment

Kinanthropometry Masaharu Kagawa, Associate Professor

“Kinanthropometry” is a scientific discipline to understand growth, nutritional status, body composition, and performance of individuals and groups through application of anthropometry. The research group conducts a range of projects including:

- (1) Body image in different population and its associations with physique, behaviours, physical and mental health status, and personality;
- (2) Understanding of physical characteristics of athletes and its associations with eating behaviours, nutritional status, and performance;
- (3) Validation of anthropometric and body composition assessment tools in health screening;
- (4) Development of new evaluation/educational tools for lifestyle modification

Sports Methodology, Yoshinori Kaneko, Professor

- (1) Research on the development and evaluation of practical exercise methods for primary prevention of lifestyle-related diseases and the prevention of frailty
- (2) Research on health promotion focusing on physical exercise in parks in Japan and overseas
- (3) Research on the relationship between continuing participation in sports events and health

Clinical Biochemistry, Naoko Ikoshi, Professor

Aim to be a clinical technologist who is familiar with diabetes by understanding cases, conditions, and classifications of diabetes and studying the latest tests, treatments, and analyses. To reach this goal, check the fluctuations in your blood sugar by using the latest devices in order to better understand how

blood sugar control actually works. Furthermore, learn about examining diabetes and providing guidance as you explore how to become involved with the issue as a clinical technologist.

Molecular Biology. Akiko Fukushima, Professor

Much of the gene expression of intestinal cells varies depending on dietary factors. We analyze this phenomenon at the gene level using model experimental systems such as animal testing and cultured cell lines. One example is the fluctuation in mineral transporter gene expression due to ingesting resistant carbohydrates.

Immunology. Kenichi Ishibashi, Associate Professor

The immune system is one of the important systems in maintaining biological homeostasis, which is related to infection prevention from pathogens and onset of diseases like allergies. We will conduct research on immune responses to microorganisms that exist broadly in the environment and food, the effects of ingestion on the immune system, the activation of mucosal immunity, infection defense functions and immunomodulatory activities like antibody production.

Exercise and Pathophysiology. Toshikazu Yamashita, Professor

Elucidate the physiological mechanism of exercise helping to improve clinical condition and to maintain and promote health. Focus on inflammation and hypersensitivity of the respiratory tract, which is a pathological condition of bronchial asthma in particular. Because the mechanism may change variously depending on age or the presence or absence of other underlying diseases, we conduct research using a wide range of techniques, from model animal testing to human testing.

Integrative Physiology Medical Science. Masako Kimura, Associate Professor

In vivo chemical reactions are carried out in a place filled with water. We conduct physiological scientific research focusing on "tissue water" by artificially applying fluctuations to the water environment in imaging test methods and animal testing.

School Health Nursing. Nobuko Endo, Professor

We provide guidance mainly for research on analysis and countermeasures for the current status of the various issues related to school health and school health nursing and care and research on youth health issues and *Yogo* teacher assessment.

Physical Development and Health. Shigeo Tanaka, Professor

Learn how to collect and interpret scientific findings, methodologies of evaluation and experimental planning, and how to interpret results on obesity and thinness, lifestyle habits such as physical activities,

sedentary behaviors, sleep/diet among children, with the aim of understanding issues related to children's obesity and lifestyle habits as well as improving the ability to identify and solve problems.

Pathology in *Yogo* (Nursing), Kumiko Onuma, Professor

Nursing refers to all educational activities that support growth and development by maintaining (health management) and promoting (health education) the mental and physical health of schoolchildren, etc. We implement practical research focused on *Yogo* teachers, such as health consultation activities, health learning conducted by *Yogo* teachers, school nurse office management, and minor incidents involving *Yogo* teachers, etc., aimed at solving increasingly diverse and complex contemporary health issues.

Nursing Health Education, Shizu Nonaka, Professor

We provide guidance for the following research on the universal elements that exist commonly in educational phenomena in the field of nursing health.

- (1) Research on educational methods in basic education/postgraduate education in nursing health sciences
- (2) Research on development of practical abilities in nursing health activities
- (3) Research on health education in schools

Overview of the Highly Skilled Human Resource Development Program

It is extremely important for graduate students to become familiar with nutrition and food to enable them to be active in fields related to people's health, especially nutrition-related fields. However, human resources with a high level of social contribution who further learned other advanced expertise and skills and can fully apply them are currently needed.

In the Health Sciences Major, we prepare specialized coursework that emphasizes implementation to enable students to fully utilize in real society the things they learned as undergraduates, mainly consisting of book learning, in each of the three fields, and develop human resources who have acquired more advanced expertise and skills in accordance with the "Aim of Development" and "Characteristics of the Study Method" indicated below. In other words, we develop students who are masters (Health Sciences) with abundant practical experience and the ability to utilize fully their ability to respond to the various situations that can arise in contemporary society, by having them take required and elective courses in the master's program and engage in long-term training outside the university as specified by the individual program.

In the Nutrition Support Clinical Laboratory Technician Program, students can acquire eligibility for the national exam to become a registered dietitian. Please see the description of the Dietitian Practical

Experience Program on page 28 for details.

Field	Health Sciences	Clinical Pathological Biochemistry	Practical School Health Sciences
Specialized Program	Regional Health Promotion Support Program	Nutrition Support Clinical Laboratory Technician Program	School Health/ <i>Yogo</i> Teacher Specialized Skills Enhancement Program
Aim of Development	<p>Japan has become a super-aged society, and promotion of health for the elderly is now a significant issue for the country. In recent research, it has been pointed out that there is a state of frailty (infirmary) between a healthy state in which elderly people can live independent lives, and a state of requiring support and care. During this period, it is possible for the individual to return to a healthy state through appropriate intervention by others close to the individual, who notice the changes. Two major factors that advance the frailty are sarcopenia (muscle loss and muscle weakness) and undernutrition, and we know that health condition worsens when both factors work in combination and the individual falls into the frailty cycle. Today, it is anticipated that aging will accelerate even more in the future, so it is necessary to train specialists who are able to support health promotion that combines exercise and nutrition.</p>	<p>Although the work of clinical laboratory technicians is diverse, in order to become active as a member of an NST (nutrition support team) in hospitals, it is important to acquire knowledge as a registered dietitian and to understand the relevant duties. Human resources capable of understanding examination work (devices, inspections, management, etc.) in hospitals and correctly analyzing and evaluating the inspection results, as well as enabling collaboration between both specializations that can respond individually to the patient's nutritional status are extremely rare and in high demand worldwide.</p> <p>This program aims to send much-needed co-media into society by developing clinical laboratory technicians master's (Health Sciences) who can contribute to nutrition management for the healthcare world in which inspection technology is developing in an</p>	<p><i>Yogo</i> teachers who are to play a central role in school health are required not only to engage in early detection and response to the health issues of schoolchildren but also to become leading members of the team school. Therefore, <i>Yogo</i> teachers who complete this program aim to be more highly qualified faculty members with the ability to implement measures and approaches autonomously to ensure the mental and physical health of schoolchildren and the safety of life. In actuality, students select one of the following that includes a new skill that is expected as the expertise of <i>Yogo</i> teachers, and strengthen that skill. In addition, students can acquire <i>Yogo</i> teacher special certification/health teacher special certification by earning the required credits while enrolled.¹⁾</p> <p>[Specialized skills that can be strengthened in this program] (1) Crisis management skills (disaster prevention, infection prevention/countermeasures), (2) health assessment skills, (3) medical care skills, (4) school nurse office management skills, and (5) health education guidance skills (health learning, health guidance)</p> <p>* Before taking the exam, students should check with their academic advisor regarding the skills they want to strengthen.</p>

	<p>This program aims to develop human resources who understand the actual circumstances in regions where aging is advancing, and can plan, implement, and evaluate health promotion in accordance with wants and needs from a specialized perspective.</p>	<p>innovative manner. Qualified clinical laboratory technicians and dietitians learn about nutrition guidance methods while participating in some investigation tasks and aim to acquire eligibility for the national exam to become a registered dietitian.</p>	
<p>Characteristics of the Study Method</p>	<p>This program emphasizes the acquisition of implementation skills, mainly through practical training, in health promotion classes, etc., which combine exercise and nutrition for middle-aged and elderly people in complexes and regions in which aging is advancing.</p>	<p>In the first year, students conduct work related to nutrition guidance while utilizing their knowledge as clinical laboratory technicians under the guidance of registered dietitians at on-campus facilities (in addition to nutrition guidance support, testing of test bodies needed to manage the health of patients, data aggregation, etc.).</p> <p>In the second year, students continue to conduct research activities at on-campus facilities, or at other hospitals, universities, or research institutes. Saturday and evening courses are also available, and students can acquire eligibility for the national exam to become a registered dietitian by accumulating practical experience as dietitians for one year.</p>	<p>In this program, students take two credits of a specialized on-campus seminar suited to the capabilities the student wants to strengthen, and 12 credits of off-campus practical training on issues at the work school or student teaching school. Further, all students take two credits of a general seminar regardless of the abilities they want to strengthen. In addition, students who want to acquire special certification must earn credits in the designated courses.</p>

Students We Seek	(1) Students advancing straight from an undergraduate program to a master's program (2) Students from an area related to health promotion (3) Graduates or students who are expected to graduate and who are interested in health promotion that combines exercise and nutrition, such as health promotion centers, health-related groups, etc.	Individuals expected to acquire eligibility for the national exam to become a clinical laboratory technician in the Nutrition Sciences Major of the University's Department of Health and Nutrition, or graduates certified as clinical laboratory technicians	Current <i>Yogo</i> teachers or graduates of the Health and School Nursing Major of the University's Department of Health and Nutrition and individuals expected to graduate
Main Assigned Faculty Members	Yoshinori Kaneko, Professor (Gymnastics Methodology)	Ken Kawamura, Professor (Environmental Health Sciences) Naoko Ikoshi, Professor (Clinical Biochemistry) Akiko Fukushima, Professor (Molecular Biology)	Nobuko Endo, Professor (School Health Nursing) Shizu Nonaka, Professor (Nursing Health Education) Kumiko Onuma, Professor (Pedagogy in Nursing)

Note 1) The relevant Class-1 certification must have already been acquired (including individuals expecting to acquire it), and it is necessary to take the specified courses to acquire special certification.

Doctoral Program <Nutritional Science Degree Program >

1. Purpose and Content

Nutrition Sciences is a comprehensive and multifaceted academic field that explores food, humans, their relationship, and all factors in their environment aimed at ensuring growth and development from human birth to old age, slowing aging, healing illnesses, and promoting the health of healthy people, etc. The study of all stages of life, all steps in the process of treating diseases, and all health conditions and physical functions can be approached from the perspective of nutrition sciences, and research is conducted at a variety of levels, including human genetics, cells, organizations, organs, individuals, and groups, etc. The importance of nutrition science as an academic field that contributes to extending healthy lives in societies with a low birthrate and an aging population, and in the sustainable growth of the international community, and other social issues, is growing even more.

However, it still cannot be said that nutrition research that responds to such needs of society, in particular

research related to nutrition science that is directly tied to people's health, is sufficient, so it is necessary to develop researchers in nutrition and promote such research.

In 1989, Kagawa Nutrition University was the first private university to offer a three-year doctorate in nutrition sciences as a response to those circumstances, in order to contribute further to society from the perspective of utilizing nutrition and food to prevent the onset or worsening of lifestyle-related diseases, and of maintaining and improving societal living functions throughout people's lifetimes. We have continued to engage in those efforts since that time.

This program helps students to develop the advanced research capabilities required to conduct research as a researcher in their areas of specialization, and the deep academic knowledge that serves as the foundation, and to plumb those depths. Education is conducted solely through research guidance. In addition, necessary research guidance can be conducted at night or other specific times, or at other graduate schools or research laboratories, etc., in accordance with discussions with those organizations.

2. Enrollment capacity: 3 students (Total capacity: 9)

3. Standard length of course of study: 3 years

4. Degree: Doctorate (Nutrition)

Doctoral degrees (Nutrition) are awarded to students who have been enrolled in the doctoral program for at least three years, received the necessary research guidance, passed a doctoral dissertation review and a final examination, and received certification of completion of the program.

5. Education

The configuration of the area (subject) of specialization, faculty organization, and areas of research guidance are as indicated in Table 1 and Table 2 below. Research guidance is provided by the main advisor, and as necessary, secondary advisors (no more than two).

Research Guidance Area

Table

The areas (subjects) of research guidance and the names of the assigned faculty members for recruitment of students in the new academic year are as indicated in the table below. Main advisors are to be selected from among the assigned faculty members indicated in the table, and secondary advisors should be selected with the guidance and advice of the main advisor as necessary.

Field	Area (Subject)	Assigned faculty members	Overview of Research Guidance
I Nutrition Sciences (Unique)	Physiological Nutrition	Kazuhiro Uenishi, Professor	<p>(1) Fundamental study of dietary reference intakes, focusing on minerals. Calcium is also considered using stable isotopes.</p> <p>(2) Study the relationship between milk/dairy products and health through epidemiological research and interventional studies.</p> <p>(3) Study the relationship between sports and nutrition, focusing on anemia and stress fractures.</p> <p>(4) Transversally and longitudinally consider growth-period lifestyle and physical circumstances.</p>

I Nutrition Sciences (Unique)	Nutrition and Food Services Management	Hiromi Ishida, Professor	<p>(1) Research on nutrition management that uses the method of dietary management according to the stage of life</p> <p>(2) Research on nutrition management systems at specific food service facilities</p> <p>(3) Research on food services management at specific food service facilities</p>
	Community Nutrition	Yukari Takemi , Professor	<p>(1) Research on regional nutrition activities/policy formulation and evaluation</p> <p>(2) Research on the determining factors of human dietary behavior and methods of aiding changes of behavior</p> <p>(3) Research on utilization of processed food as a quality of the nutritional balance of meal.</p> <p>(4) Research on establishment of the dietary environment.</p> <p>We aim to develop theories related to those issues, demonstrate practical methodology, and provide recommendations for nutrition policy.</p>
	Basic Nutrition	Terue Kawabata, Professor	<p>(1) The relationship between the amount/quality of dietary fatty acids and gene polymorphisms/lifestyle diseases (obesity, dyslipidemia and diabetes) through human observational/interventional studies or animal testing</p> <p>(2) The relationship between the nutrition (DHA, folic acid, vitamin A, D, E and Amino acids) of pregnant woman, fetuses, newborns and infants and the growth, development and the change of epigenetics of young children.</p> <p>(3) The research on diets aim for anti-inflammatory and antioxidant through observation of human and intervention studies.</p>

Field	Area (Subject)	Assigned Faculty Members	Overview of Research Guidance
II Food Culture and Nutrition Sciences	Environmental Education	Rie Imoto , Professor	<p>Conduct research on the relationship between dietary habits and the environment from the perspective of housing studies and environmental education. The themes is to be selected among the issues described on below.</p> <p>(1) Research on coordination of eating spaces and other aspects of the dietary environment</p> <p>(2) Theoretical consideration of the relationship between dietary habits and environmental problems, and research on the ideal practical nature of the content and methods of related education. Explore the ideal nature of dietary environment education, including environmental ethics, legal systems, economic mechanisms, and culture, in school education and social education, from the perspective of ESD (education for sustainable development).</p>
	Food Nutrition Function Science	Toshihide Nishimura , Professor	<p>Write a doctoral dissertation on the following research themes. In addition, cultivate the ability to identify and solve problems, give presentations, and communicate, through research.(1) Analysis of the formation and enhancement mechanism of "richness," one of the factors in the deliciousness of food</p> <p>(2) Analysis of the antioxidative effect of peptide derived from meat protein and its mechanism of action</p>
III Food Sciences	Culinary Functions of Foods	Fumiko Konishi , Professor	Verification of the prophylactic effect of mucuna pruriens on Alzheimer's disease

Doctoral Program <Health Science Program>

1. Purpose and Content

Health promotion that asserts the necessity of individual, autonomous maintenance and improvement of health and establishment of the required environment is extremely important as a strategic process in today's medical and healthcare field. In particular, as Japan has become a super-aged society, there is a deep need for the development of young researchers who can propose and implement reliable strategies regarding health (promotion) and for enhancement of the research support structure.

Since the beginning of the 21st century, and especially in recent years, there have been dramatic technological innovations in a variety of areas. On the other hand, a variety of problems have also arisen on a worldwide scale, so it is necessary to work toward protection of the earth's environment and conversion to a sustainable society. In research in the medical and healthcare field as well, it is vital that we develop the next generation of researchers who can collect and analyze information internationally and respond in a flexible manner from the fundamentals to application, in order to respond from a global perspective, and prevent and implement countermeasures for the spread of viral infections that expand through Asia in particular, and the appearance of new communicable diseases on a global scale. In other words, it is important that graduate students obtain accurate information while in school, discuss research plans and implementation methods for research projects, and also learn the importance of mutual enlightenment and mutual understanding between researchers that is required to vitalize research. In addition, we must not forget the development of high ethical standards as we cultivate human resources who aim for well-being.

This program utilizes research in three areas that are considered particularly important for promotion of health, to help students cultivate the advanced research capabilities that should be acquired to enable students to take that perspective and conduct research activities in the future as specialists in each area, as well as the abundant academic knowledge that serves as the foundation, with the aim of plumbing the depths of that knowledge. In other words, we develop outstanding researchers in 1) areas related to the health sciences implemented on a regional basis, 2) the area of clinical pathological biochemistry related to understanding health conditions and clinical states objectively, the foundation of bio-medicine, and 3) the area of practical school health science that considers the promotion of the health of the children who will carry the next generation.

Education in the doctoral program is actually conducted under a collaborative guidance structure of faculty members in three fields, conducted through research guidance and priority issue seminars conducted by advisors in each of the research areas. In addition, throughout the entire major, seminars are held each year on writing doctoral dissertations, and advice and guidance are provided by faculty members other than the advisors regarding each doctoral student's research

plan, testing and investigation methods, etc. In addition, necessary research guidance can be conducted at night or other specific times, or at other graduate schools or research laboratories, etc., in accordance with discussions with those organizations.

2. Enrollment capacity: 3 students (Total capacity: 9)

3. Standard length of course of study: 3 years

4. Degree: Doctorate (Health Sciences)

Doctoral degrees (Health Sciences) are awarded to students who have been enrolled in the doctoral program for at least three years, earned three credits in priority issue seminars in course work, received the necessary research guidance, passed a doctoral dissertation review and a final examination, and received certification of completion of the program.

5. Education

The configuration of the area (subject) of specialization, faculty organization, and areas of research guidance are as indicated in Table 3 and Table 4 below. Research guidance is provided by the main advisor, and as necessary, secondary advisors (no more than two).

Research Guidance Area

Table

The areas (subjects) of research guidance and the names of the assigned faculty members for recruitment of students in the new academic year are as indicated in the table below. Main advisors are to be selected from among the assigned faculty members indicated in the table, and secondary advisors should be selected with the guidance and advice of the main advisor as necessary.

Field	Area (Subject)	Assigned faculty members	Overview of Research Guidance
I Health Sciences	Health and Longevity Science	Shoji Shinkai, Professor	Through participation in a large-scale cohort study of community residents, analyze factors related to health and longevity from a unique perspective. In addition, through participation in a community-wide intervention study targeting the entire community, evaluate the business from a unique perspective. Based on those, carry out applied research and practical activities related to health and longevity science.

Field	Area (Subject)	Assigned faculty members	Overview of Research Guidance
I Health Sciences	Health Statistics	Hirimitsu Ogata, Professor	<p>Conduct the following research with the aim of efficient utilization of data that serves as scientific rationale in health sciences.</p> <ol style="list-style-type: none"> (1) Research on statistical analysis using epidemiological data and public statistics, etc. (2) Research on application of advanced statistical methods in health sciences (3) Research on the development of methodology for regional health risk assessment (4) Research on statistical modeling to integrate evidence in the health sciences
	Sports Methodology	Yoshinori Kaneko, Professor	<ol style="list-style-type: none"> (1) Research on the development and evaluation of practical exercise methods for the prevention of frailty (2) Research on the status of use and impact of healthy playground equipment installed in urban parks (3) Research on multimedia development to support exercise guidance by citizen volunteer supporters
II Clinical Pathological	Exercise and Pathophysiology	Toshikazu Yamashita, Professor	<p>Conduct research on the impact that metabolic state has on muscle contraction during exercise, focusing not only on healthy individuals, but also on the differences between healthy individuals and those with bronchial asthma and other clinical conditions. The main research techniques are electrophysiological techniques (patch clamp) and photo physiological techniques (visualization with calcium sensitive dyes, voltage sensitive dyes, etc.).</p>
III Practical School Health Sciences	Applied School Health Nursing	Nobuko Endo, Professor	<ol style="list-style-type: none"> (1) Research on the various issues of school health <ul style="list-style-type: none"> - Research on the physical and psychological health issues of schoolchildren - Research on the emergency structure and triage under school administration - Research on how to support sexual minority student. (2) Research on the education and training of <i>Yogo</i> teachers and improvement of the specialization of <i>Yogo</i> teachers <ul style="list-style-type: none"> - Physical assessment and health assessment education - The emergency structure and first aid measures of schools - The health guidance and health education conducted by <i>Yogo</i> teachers (3) Research on the planning, operation, and evaluation of practical activities conducted by <i>Yogo</i> teachers
	Physical Development and Health	Shigeho Tanaka, Professor	<p>Regarding health problems related to physical activity and other lifestyle habits associated with human growth and aging, identify issues, establish hypothesis, understand preceding research, and consider the research methods, as well as summarize the expected results and background findings, while relating them to one's own theme. Learn scientific methodologies through the tasks mentioned above.</p>

APPLICATION GUIDELINE FOR THE YEAR 2021

Master Program

■ Qualification

The qualifications for admission are as follows. (male and female alike)

1. Individuals who have graduated from a university as stipulated in Article 83 of the School Education Act and individuals who are scheduled to graduate by the end of **March 2021**.
2. Individuals who have earned a bachelor's degree as stipulated in Article 104, Paragraph 4 of the School Education Act and individuals who are scheduled to graduate by the end of **March 2021**.
3. Individuals who have completed 16 years of school education overseas and individuals who are scheduled to complete it by the end of **March 2021**.
4. Individuals who, while residing in Japan, have completed 16 years of education through correspondence courses conducted by schools overseas and individuals who are scheduled to complete it by the end of **March 2021**.
5. Individuals designated by the Japanese Minister of Education, Culture, Sports, Science and Technology.
6. Individuals who have been accredited through individual screening of qualifications for admission to the Graduate School of KNU, who have been judged to have academic credentials equivalent to a bachelor's degree or higher, and who have reached 22 years old or will reach 22 years old by the end of **March 2021**.
7. Individual screening of qualifications for admission will be conducted for applicants who did not graduate from a university but graduated from a junior college, a college of technology, a specialized training college, the Japanese campus of a foreign university, or a school for foreigners, etc.

Note 1 International applicants must contact the Graduate School Academic Office prior to submitting the application form.

■ The number of the students to be admitted

Nutrition Sciences Program	10
Health Science Program	10

■ Application procedures

1) International applicants residing in Japan

Applicants must complete the documents specified in (a) - (h) below, place them in the envelope stipulated by KNU, with “Application Enclosed” written in red, and submit them to the Graduate School Academic Office with the application processing fee (JPY25,000).

If you send application form by mail, the application processing fee must be sent by postal money order, with the recipient entry left blank.

(a) Admission Application Form (Use the form stipulated by KNU. Enter the items enclosed in bold lines. /ANNEX1)

* Enter your current age

* If you will apply for a scholarship, please mark “Yes” and see page 29-30.

(b) Diploma (or certificate of scheduled graduation) and academic transcript issued by the school from which the applicant graduated.

(c) Two photos of the applicant (4 cm x 3 cm), taken within the past three months

(d) Two envelopes designated by KNU with 748 yen worth of stamps affixed (The envelopes is possible to be acquired at academic section of KNU)

(e) Curriculum vitae on the attached form (ANNEX2).

(f) Letter of recommendation from the relevant embassy, university you graduated, or a resident certificate with the residency status and eligible period of stay in Japan

(g) Passport copy

(h) Letter of guarantee. The guarantor must be a Japanese citizen or a person who is economically independent with permanent residence in Japan. The guarantor will be a person who is able to continually guarantee the applicant after admission.

2) International applicants residing overseas

The required documents will be a), b), c), e), f), g) and h) only, with f) and h) waived for applicants receiving scholarships. Send all documents via e-mail. Please contact the International Office regarding payment of the application processing fee.

■ Application period and location

1. Application period

Semester 1	September 28, 2020 (Monday) to October 2nd, 2020 (Friday)
Semester 2	January 5, 2021 (Tuesday) to January 9, 2021 (Saturday)

2. Location

Kagawa Nutrition University Graduate School Academic Office

3-9-21 Chiyoda, Sakado, Saitama, Japan 350-0288

Phone: +81-(0)49-284-6245

Fax: +81-(0)49-284-6410

■ Examination Date

Semester 1	October 13, 2020 (Tuesday) and October 14, 2020 (Wednesday)
Semester 2	January 19, 2021 (Tuesday) and January 20, 2021 (Wednesday)

■ Test subjects and schedule

	Subject	Time
Day 1	English: 75 minutes	9:30 A.M. to 10:45 A.M.
	Specialized subject: 60 minutes (written test)	11:00 A.M. to 12:00 P.M.
Day 2	Interview	From 9:30 A.M.

(Remarks)

1. Applicants will enter the classroom at least 15 minutes prior to the start of the examination. The examination classroom will be posted on the bulletin board on the day of the examination.
2. Dictionaries is allowed to use for foreign language subjects. (Electronic dictionaries and technical terminology dictionaries are prohibited.)
3. Screening of qualifications will be conducted for foreign students. The date and time of the screening shall be announced when sending an admission ticket.
4. If there are a large number of applicants, interview planned for Day 2 may be conducted on Day 1, after completion of the specialized subject.
5. Applicants who have a TOEIC score of 730 or higher or a TOEFL score of iBT79 or higher, or IELTS 5.5 and applicants with an Eiken grade of Pre-1 are exempt from the English exam. (Applicable person must inform to the academic office whether the score is valid or not) If applicable, please contact the Graduate School Academic Office before submitting your application.

Selection method: Selection will be based on the results of the examination and interview and the academic transcript of the university from which the applicant graduated.

Location of the examination: Kagawa Nutrition University, Sakado Campus

■ Announcement of application results

Semester 1	October 19, 2021 (Monday)	10:00 A.M.
Semester 2	January 22, 2021 (Friday)	10:00 A.M.

Acceptance/rejection notices will be delivered at the Graduate School Academic Office to applicants who bring their admission ticket. The acceptance/rejection notice will be sent by mail to all others. Telephone inquiries regarding results will not be accepted.

● Admission Procedures

Successful applicants who are admitted to the graduate school will pay tuition via bank transfer by the deadline below in order to complete the admission process.

Deadline:

Semester 1	October 30, 2020 (Friday)
Semester 2	February 5, 2021 (Friday)

Admission will be canceled if the admission procedure is not completed by the deadline.

* International students residing in Japan are required to obtain residence cards with student status and submit them on the day of the entrance ceremony. Resident certificates indicating resident status and the period of residence must also be submitted. Admission will be canceled if the student is not able to obtain a residence card.

* The KNU International Office will be responsible to acquire for certificates of eligibility on behalf of international students residing in overseas. Please be sure to submit the required documents on time as instructed by the International Office.

Total school expenses for the 2020 academic year

Enrollment fee	JPY200,000
Tuition (yearly)	JPY528,000 (Two installment payments)
Research and education fee (yearly)	JPY521,000 (Two installment payments)
Facility cost (yearly)	JPY23,000 (Two installment payments)
Total for the first year (Total payment of the first installment)	JPY1,272,000 (JPY736,000)

	Subject	Time
Day 1	English: 75 minutes	9:30 A.M. to 10:45 A.M.
	Specialized subject: 60 minutes	11:00 A.M. to 12:00P.M.
	Essay:90 minutes	1:29 P.M to 2:50 P.M
	Interview:	From 3:10 P.M
Day 2	Interview	From 9:30 A.M.

Selection method: Selection will be based on the results of the examination and interview and the academic transcript of the university from which the applicant graduated.

Location of the examination: Kagawa Nutrition University, Sakado Campus

■ Announcement of application results:

Date and time	19th, 2019 (Monday), 10:00 A.M.
Admission Procedure:	See page 26
Deadline of payment	October 30th, 2020 (Friday).

* Research and education fees and the facility costs for the second academic year on will be determined in the next academic year.

Enrollment fee	N/A
Tuition (Yearly)	N/A
Research and education fee (yearly)	JPY521,000 (Two installment payments)
Facility cost (yearly)	JPY23,000(Two installment payments)
Total for the first year (Total payment of the first installment)	JPY544,000 (JPY272,00)

- 1) Special scholarship students are not allowed to be employed. Accordingly, they are required to focus exclusively on their studies and research while enrolled in a graduate program.
- 2) As a rule, tuition waivers at the time of enrollment are approved for two years for special scholarship students. However, if the student withdraws from school before completion or is unable to complete the master's program in two years, the student will be required to return the waived amount.
- 3) If the candidate is not selected as a scholarship student as a result of the entrance exam,

the student will be eligible to be admitted as a general admission student.

4) When a special scholarship student applies, the English exam will not be waived based on usage of the score of an English test such as Eiken.

Long-term Study Plan System

The long-term study plan system is a system to complete a master's program in three years. It is for students who work and find it difficult to complete a master's program in two years. The school expenses paid over three years is the same as that of the two-year master's program.

Study period: Three years from the time of admission

The number of students admitted: 4 students or less total in Nutrition Science and Health Science combined

Application process: The application form for the long-term study plan system indicating the research plan and planned course acquisition with the guidance of the proposed research advisor, with documents attesting to employment attached and any evidence of employment must be submitted together with the application of the entrance exam.

- 1) Be sure to indicate the request to apply for the long-term study plan system on the admission application form.
- 2) The remarks on the long-term study plan system application form will be entered by the proposed research advisor.
- 3) Students are eligible to submit a long-term study plan system application after admission. In such cases, the application must be submitted by the end of January of the first year of enrollment. School expenses will be adjusted beginning in the second year.
- 4) The study term cannot be shortened after the long-term study plan application has been submitted

School expenses

See the table below.

Enrollment fee	JPY200,000
Tuition (Yearly)	JPY352,000 (Two installment payments)
Research and education fee (yearly)	JPY347,400 (Two installment payment)
Facility cost (yearly)	JPY15,400 (Two installment payments)
Total for the first year (Total payment of the first installment)	JPY914,800 (JPY557,400)

JPY30,000 will be paid in addition to the school fee as a Koyukai (college reunion) registration fee.

1. Research and education fees and the facility costs for the second academic year on will be determined at a later date.
2. The amount paid by students who are enrolled over an extended period of time (three years or more starting at the time of enrollment) will be the same as the general school expense.

Pre-screening of Qualifications for Admission

The following is the procedure for pre-screening qualifications for admission.

1. Required documents

- a) Admission qualifications pre-screening application form (Use the form stipulated by KNU and submit it to the Graduate School Academic Office.
- b) Essay on the objectives and motivation to apply (No format specified.)
- c) Diploma and academic transcript issued by the school from which you graduated.
- d) Curriculum vitae (ANNEX2)
- e) Certificate verifying language capabilities².

2. Application period

First Term	August 31, 2020 (Mon) to September 4, 2020 (Fri)
Second Term	November 23, 2020 (Mon) to November 27 (Fri)

3. Location

Kagawa Nutrition University Graduate School:3-9-21 Chiyoda Sakado, Saitama

4. Selection method

Document review (interviews will be conducted if necessary)

5. Announcement of Application results

September 18, 2020 (Fri) and December 11, 2020 (Fri)

Application will be notified of results individually, Applications who are certified as qualified for admission are eligible to apply for admission in Semester 1 or Semester 2.

Declining Admission after Completion of Admission Procedures

Students who desire to decline admission after completion of transfer of school expenses must follow the instructions below.

Deadline: [March 31, 2021 at 5:00 P.M.](#), either in person or by mail is acceptable.

* Please note that no applications will be accepted after the deadline.

Notification procedure: Fill out the form designated by KNU to decline admission and repay school expenses and submit it together with the admission acceptance letter.

Repayment method: All expenses paid in the admission procedure except for the enrollment fee are repayable. The money transfer to the applicant's designated account will be completed by the end of April 2019.

Application address: Kagawa Nutrition University Graduate School
3-9-21 Chiyoda, Sakado, Saitama

Guideline for Application for the Second Term of the PhD Program

Qualifications for admission: The qualifications for admissions are as follows.

(Male or female students)

<April enrollment>

1. Individuals holding a master's degree or a specialized degree equivalent to a master's degree overseas or are scheduled to obtain a master's degree by [March 31, 2021](#)
2. Individuals designated by the Japanese Minister of Education, Culture, Sports, Science and Technology
3. Individuals who have been accredited by the KNU Graduate School to have academic credentials equivalent to a master's degree or higher.

<October enrollment>

1. Individuals holding a master's degree or a specialized degree equivalent to a master's degree overseas or are scheduled to obtain a master's degree by [September 31, 2021](#)
2. Individuals designated by the Japanese Minister of Education, Culture, Sports, Science and Technology
3. Individuals who have been accredited by the KNU Graduate School to have academic credentials equivalent to a master's degree or higher

International applicants fulfilling the requirements indicated above must inform the International Office prior to submitting the application form.

■ The number of the students to be admitted:

April Enrollment	Nutrition Science Program	3
	Health Science Program	3
October Enrollment	Nutrition Science Program	A few students
	Health Science Program	A few students

■ Application Procedures

1) International applicants residing in Japan

Applicants must complete the documents specified in (a) – (h) below, place them in the envelope stipulated by KNU, with “Application Enclosed” written in red, and submit them to the Graduate School Academic Office with the application processing fee (JPY25,000).

- (a) Admission application form and admission ticket (ANNEX1 and ANNEX3)
- (b) Diploma and academic transcript issued by the school from which the applicant graduated.
- (c) A list of academic history after graduation from a university (e.g., the titles and dates of the applicants publications, such as books, papers, theses, presentations given at academic conferences)
- (d) The summary of the master thesis. (or other thesis which can be replaceable for a master thesis)
 - (1) Use A4 paper with a limit of 500 words in total. If the thesis includes figures and tables, they can constitute no more than three pages.
 - (2) The first line of the cover page must be “Master’s Thesis”. Then, write the title of the thesis, the name of the school from which the applicant graduated, and the names of the department, the applicant’s major, and the applicant’s advisors.
 - (3) The order of sections must be cover page, summary, and figure and tables (if included), and the pages must be secured with a single staple at the upper left corner.
 - (4) 15 copies must be submitted. (The 15 copies can be sent separately from the application documents.)
 - (5) A projector will be able to use during the thesis presentation. To use the projector, consult with your planned research advisor and contact the Academic Office to reserve a projector in advance.
- (e) Two photos of the applicant (5 cm x 4 cm) Portrait, without hat, taken within last three months.
- (f) Curriculum vitae with KNU form (ANNEX2)
- (g) Letter of recommendation from the relevant embassy, etc., or a resident certificate with the residency status indicated.
- (h) Passport copy
- (i) Letter of guarantee. The guarantor must be a Japanese citizen or a person who is economically independent with permanent residence in Japan.

2) International applicants residing in overseas

The only documents required for international applicants residing overseas are the same as above. g) and h) waived for applicants financed by scholarships. All documents can be sent via e-mail.

Please contact the International Office regarding payment of the application processing fee

1. Application period

April enrollment	February 8, 2021 (Monday) to February 12, 2021 (Friday)
October enrollment	June 28, 2021 (Monday) to July 2nd, 2021 (Friday)

* The application must arrive at KNU during the above period. For the applicants who live in overseas is allowed to send all the required documents by e-mail.

2. Location

Kagawa Nutrition University Graduate School Academic Office

3-9-21 Chiyoda, Sakado, Saitama, Japan 350-0288

Phone: +81-(0)49-284-6245

Fax: +81-(0)49-284-6410

■ Examination Date

April enrollment	February 23, 2021 (Tuesday) and February 24, 2021 (Wednesday)
October enrollment	July 13, 2021 (Tuesday) and July 14, 2021 (Wednesday)

■ Test subjects

	Subject	Time
Day 1	English: 75 minutes	9:30 A.M. to 10:45 A.M.
	Specialized subject: 75 minutes	11:00 A.M. to 12:15 P.M.
	Presentation of master's thesis or other research in lieu of a master's thesis	From 1:30 P.M. (15-minute presentation per applicant, 15 minutes of questions and answers)
Day 2	Interview	From 9:30 A.M.

(1) Applicants will enter the classroom at least 15 minutes prior to the start of the examination. The examination classroom will be posted on the bulletin board on the day of the examination.

(2) Dictionaries may be used for foreign language subjects. (Electronic dictionaries and technical terminology dictionaries are prohibited.)

(3) Examinations for specialized subjects will be given as written/oral examinations related to the applicant's proposed research field.

(4) Applicants who graduated (or are scheduled to graduate) from a master's program at KNU are exempted from presentation of a master's thesis or other project conducted in lieu of a master's thesis.

(5) Depending on the number of applicants, interviews scheduled for Day 2 may be conducted on

the afternoon of Day 1.

(6) Applicants who have a TOEIC score of 800 or higher or a TOEFL score of iBT79 or higher, and applicants with an Eiken grade of Pre-1 are exempt from the English exam.(The applicable students must be required to inform to the academic office whether the score is valid or not) If applicable, please contact the Graduate School Academic Office before submitting your application.

(7) The test schedule for international applicants differs from the above, so applicants will be notified when they are sent the admission ticket.

(8) Screening of qualifications will be conducted for foreign students. The date and time of the screening shall be informed when sending the admission ticket.

■ Selection method

Selection will be based on the results of the examination and interview and the academic transcript of the university from which the applicant graduated.

■ Location of the examination

Kagawa Nutrition University, Sakado Campus

【Announcement of application results】

April enrollment	February 26, 2021 (Friday)	10:00 A.M.
October enrollment	July 16, 2021 (Friday)	10:00 A.M

Acceptance/rejection notices will be delivered at the Graduate School Academic Office to applicants who bring their admission ticket between 10:00 A.M. and 5:00 P.M. on the date indicated above.

The acceptance/rejection notice will be sent by mail to all others. Telephone inquiries regarding results will not be accepted.

■ Admission Procedures

Successful applicants who are admitted to the graduate school will pay the school expenses stipulated in the table via bank transfer by the deadline below in order to complete the admission process.. Please be aware it will be necessary to present a driver license, passport, or other identification documents when you conduct money transfers exceeding JPY100,000 at the bank counter.

【Payment Deadline】

April enrollment	March 12, 2021 (Friday)
October enrollment	July 30, 2021 (Friday)

Admission will be canceled if the money transfer is not completed by the above deadline. See page 9 for details on declining admission.

* International students residing in Japan are required to obtain residence cards with student status and submit them on the day of the entrance ceremony. Resident certificates indicating the resident status and the period of residence must also be submitted. Admission will be canceled if the student is not able to obtain a residence card.

* The KNU International Office will conduct procedures for certificates of residence on behalf of international students residing overseas. Such students must submit the required documents in on time as instructed by the International Office.

School expense for Semester 2 of the PhD Program, AY2019

Enrollment fee	JPY200,000
Tuition (Yearly)	JPY528,000 (Two installment payments)
Research and education fee (yearly)	JPY521,000 (Two installment payments)
Facility cost (yearly)	JPY23,000 (Two installment payments)
Total for the first year (Total payment of the first installment)	JPY1,272,000 (JPY557,400)

JPY30,000 will be paid in addition to the school fee as a Koyukai (Alumni Union) registration fee.

1. Research and education fees and the facility costs for the second academic year will be determined at a later date.
2. Half of the enrollment fee will be waived for students who enrolled the Kagawa Education Nutrition Institute and were admitted to the PhD program.
3. The entire enrollment fee will be waived for students who applied to the PhD program soon after the completion of a master’s program at KNU.

Tuition

The tuition of PhD students who have outstanding character and excellent academic achievement will be reduced for the purpose of economic support and the promotion of research.

Special waiver of tuition

Semester 2 tuition of applicants will be waived in the first year. All tuition will be waived in the second and third years. The application must be submitted after admission.

Scholarships

Various scholarships are available. Contact the International Office for details.