HOKKAIDO UNIVERSITY

GRADUATE SCHOOL OF HEALTH SCIENCES

STUDENT HANDBOOK

April 2025

Graduate School of Health Sciences Admissions Policy

Revised: May 19, 2022 Graduate School of Health Sciences Faculty Council

Our Vision

At the Graduate School of Health Sciences, we aim to produce advanced healthcare professionals and healthcare instructors who possess cutting-edge knowledge and practical techniques.
We are also committed to developing advanced healthcare professionals, educators and researchers who can forge the health sciences of the next generation.
Through the provision of education, we strive to produce quality graduates who will play leading roles in global healthcare research across disciplines.

Educational Objectives

To address the growing demand for health sciences from healthcare and society, the Graduate School of Health Sciences has determined that the Graduate School produce advanced healthcare professionals who improve their expert skills and knowledge gained from undergraduate education and work experience, develop advanced and professional decision-making skills and practical skills in medical technology and play a key role in the evidence-based advancement in healthcare sciences as well as the educators and researchers who undertake a leadership role in healthcare sciences research.

Students We Are Seeking:

In the Graduate School of Health Sciences, we seek students who:

1) Enhance their expertise in health sciences and aim for academic development through the integration of and collaboration between various disciplines.
   We seek to identify not only the students with undergraduate education in healthcare but also those with diversified academic backgrounds regardless of region, culture and nationality.
2) Demonstrate a drive to learn, academic skills, creative mind, logical thinking and leadership which are vital for human resources development in accord with the aforementioned “Our Vision”.

Basic Admissions Policy

Master’s Degree Programs (Home Student/Working Adult/Overseas Student)

A. Home Student/Working Adult applicants shall be holistically screened through a written admissions exam, an interview and an application document review.

B. Overseas Student applications shall be screened with a comprehensive result of an interview and an application document review.

Admissions Slots, Assessment Methods, Desired Applicants and Levels of Significance applied to the Master's Degree Program Admissions

The below table describes how the "Students We Are Seeking" 1) and 2) factors are associated with, and how much they are weighed by the "Assessment Methods".

◎ = highly significantly weighed ○ = significantly weighed

Admissions Slot	Assessment Method	Students We Are Seeking	
		1)	2)
Home Student Working Adult	Specialized subject exam	◎	◎
	Language exam	◎	○
	Interview	○	◎
	Application document review	○	○
Overseas Student	Interview	◎	◎
	Application document review	◎	◎

Doctoral Degree Programs (Home Student/Working Adult/Overseas Student)

A. Home Student/Working Adult applicants shall be holistically screened through a set of an oral exam and an application document review.
B. Overseas Student applications shall be screened with a comprehensive result of an application document review.

Admissions Slots, Assessment Methods, Desired Applicants and Levels of Significance applied to the Doctoral Degree Program Admissions

The below table describes how the "Students We Are Seeking" 1) and 2) factors are associated with, and how much they are weighed by the "Assessment Methods".

◎ = highly significantly weighed ○ = significantly weighed

Admissions Slot	Assessment Methods	Students We Are Seeking	
		1)	2)
Home Student/Working Adult	Oral exam	◎	◎
	Application document review	○	○
Overseas Student	Application document review	◎	◎

Graduate School of Health Sciences Diploma Policy (DP)

Under Hokkaido University's four core principles (Frontier Spirit, Global Perspectives, All-Round Education and Practical Learning), the Graduate School of Health Sciences sets educational objectives to develop human resources with broad knowledge, good judgement and practical skills to deal with the advancement, interdisciplinary expansion and internationalization of science and technology adding to the basic knowledge in health sciences and sophisticated expertise.
Having the degree conferment requirements for master's and doctoral degree programs established with the concrete competence profiles set by the educational objectives, the Graduate School awards master's and doctoral degrees to those who possess the competence and pass a thesis/dissertation review as well as exams upon completion of required course credits.

Degree Conferment Requirements Applicable to the Students in the Division of Health Sciences

The Division of Health Sciences aims to produce qualified graduates as advanced healthcare professionals, instructors, educators and researchers of the next generation in health sciences as it implements health sciences research through the integration of and collaboration between various disciplines. The Graduate School confers a master's or a doctoral degree on a student who possesses the following practical skills in compliance with its educational objectives.

Upon completion of the **master's** degree program, students are expected to:
- Have up-to-date knowledge and sound understanding of the field of health sciences;
- Possess essential skills for researchers in the field of health sciences to implement research and make an ethical judgement;
- Show a methodical mind requisite in health sciences research;
- Demonstrate the judgement on the validity of research results in the field of health sciences;
- Have the competence to study the significance of research results in the field of health sciences;
- Leverage communication skills to discuss with health sciences researchers and those from other disciplines;
- Exhibit implementation skills which an advanced health science professional ought to have.

Upon completion of the **doctoral** degree program, students are expected to:
- Have up-to-date knowledge and an in-depth understanding of the field of health sciences;
- Possess advanced essential skills for researchers in the field of health sciences to implement research and make an ethical judgement;
- Show competency to find research issues in the field of health sciences;
- Use insight and a flexible mindset to solve challenging problems in the field of health sciences;
- Demonstrate planning, coordination and leadership skills which are essential to the research and development in health sciences; and
- Leverage communication skills to discuss with health sciences researchers and those from other disciplines in the global community

Graduate School of Health Sciences Curriculum Policy (CP)

The Division of Health Sciences in the Graduate School of Health Sciences offers highly specialized courses in the set major fields of study and establishes cross-disciplinary/interdisciplinary courses with the aim of developing human resources with the skills as provided in its Diploma Policy. It designs and implements the curriculum as below under a research supervision system providing more than one supervising faculty member per student.
In order to assure high-quality education, the Graduate School encourages faculty to take part in faculty training designed to raise the teaching quality of the faculty under the FD committee's schemes. Through the activities of the Academic Affairs Committee and the Students' Committee, the Graduate School implements education assessment to further its continuing institutional reform providing student academic support/career counseling services and conducting education system assessment.

Learning Outcome Assessment Policy

Ⅰ Academic Assessment Criteria

1. In keeping with the "specific skills expected of human resources we develop" which the degree conferment requirements of the Division of Health Sciences elaborate in the Diploma Policy of the Graduate School, the academic assessment shall be conducted against set learning objectives for each course to measure course enrollees' achievement levels of learning outcomes.
2. The Division shall not provide a suggested grade distribution for each course.
3. Pass-fail grading can be applied to the academic assessment only when the class format of the course is experiment, practical training or research.
4. The Academic Assessment Advisory Committee shall examine the adequacy of the learning objectives for each course and the academic assessment results achieved against those objectives every semester, then request the faculty in charge to review the learning objectives if necessary.

Ⅱ Academic Assessment Methods

1. The academic assessment shall be conducted using exam scores, marks on reports and presentation scores as well as the student's levels of proactive learning approach and engagement in class.
2. Record of class attendance will not be simply converted into numeric values and used in the assessment.
3. The faculty in charge of the course shall determine the specific assessment methods.

In the master's degree programs, the Division of Health Sciences shall:
- Offer students advanced and core "Division of Health Sciences Common Foundation Courses" to acquire knowledge and technical skills to deal with a wide range of fields in health sciences;
- Offer students necessary courses to develop expertise and practical skills relevant to the fields of health sciences;
- Offer students the courses to acquire knowledge, technical skills and implementation skills to contribute globally to the field of health sciences;

- Establish a research supervision system which appoints a chief supervisor and a sub-chief supervisor(s) for each student by the end of the first year of the degree program;
- Hold a mid-term thesis presentation for master's theses and research papers where faculty other than the supervisors can advise on theses in the first half of the second year of master's degree programs to help students develop quality research projects; and
- Provide students with TA job opportunities to improve their teaching skills which they can apply to a variety of careers.

In the doctoral degree programs, the Division of Health Sciences shall:
- Offer the Supervised Individual Research course in all major fields of study to help students carry out their research projects with the aim of acquiring problem-solving skills and learning the methods of research paper writing which are requisites of a self-organized researcher;
- Establish a research supervision system which appoints a chief supervisor and a sub-chief supervisor(s) for each student by the end of the first year of the degree program;
- Hold a mid-term dissertation presentation for doctoral dissertations where faculty other than the supervisors can advise on dissertations to help students develop quality research projects; and
- Provide students with TA/RA job opportunities to step up their teaching and project implementation skills which they can apply to the professions in university settings or the research and development field in health sciences.

Hokkaido University Graduate School of Health Sciences Rules

April 1, 2008
HU Doc No. 85

Chapter 1 General Provisions

(Purpose)

Article 1 These regulations prescribe necessary matters with regard to the curriculum of the Graduate School of Health Sciences (hereinafter referred to as “Graduate School”) in accordance with the provisions in Article 27-3, Paragraph 4 of the *National University Corporation Hokkaido University Organizational Regulations* (HU Doc. No. 31 of 2004).

(Objective)

Article 2 The Graduate School aims to develop highly specialized professionals with significant expertise in health sciences, capacities for judgement and ethical standards as well as practical skills in the latest healthcare technologies, and educators and researchers who can conduct unique research and development in health sciences through basic and applied healthcare education and research.

Chapter 2 Division, Degree Programs and Enrollment Categories

(Division)

Article 3 The following division shall be established in the Graduate School.
Division of Health Sciences

(Program)

Article 4 The Graduate School shall provide doctoral degree programs.

(Enrollment Category)

Article 5 The Division of Health Sciences consists of the following streams in one of which students shall be enrolled.
Health Sciences
Nursing

Chapter 3 Admission, re-admission, transfer and affiliation change

(Admission)

Article 6-1 Those who are eligible for admission to study in a master's degree program prescribed in Article 4, Paragraph 5 of the *Hokkaido University General Regulations for Graduate Studies* (HU Doc. No. 3 of 1954; hereinafter referred to as "General Regulations") (the above program shall be hereinafter referred to as "master's degree program") shall fall under any of the items in Article 10, Paragraph 1 of the General Regulations. And those who are eligible for admission to study in the latter period of the doctoral program prescribed in Article 4, Paragraph 5 of the General Regulations (hereinafter referred to as "doctoral degree program" shall fall under any of the items in Article 10, Paragraph 2.

Article 6-2 The President of Hokkaido University shall, after deliberation by the Faculty Council, grant admission to those who fall under any of the provisions in the preceding paragraph and have passed the selection process conducted by the Graduate School.

(Re-admission and Transfer)

Article 7-1 When a student who falls under any of the items in Article 13 of the General Regulations applies for re-admission or a transfer to the Graduate School, the President may grant permission after deliberation by the Faculty Council upon screening.

(Affiliation Change)
Article 7-2 When a student who falls under Item 1 in Article 13-2 of the General Regulations applies for an affiliation change to the Graduate School, the Dean of the Graduate School may grant permission after deliberation by the Faculty Council upon screening.

Chapter 4 Courses, Program Completion Requirements, Course Taking Policy and Examinations

(Courses and credits)

Article 8 The courses and credits offered by the Division of Health Sciences are listed in the Appended Table.

(Basis for Credit Calculation)

Article 9-1 In terms of the number of credits for each course, given the fact that a one-credit course is designed to require 45 hours of study as a standard, the one-credit course shall consist of 15 hours of lectures or seminars in consideration of the educational benefits from the classes and the study outside class hours which shall be determined by the type of teaching methods.

Article 9-2 Notwithstanding the provisions of the preceding paragraph, the number of credits for the courses which involve dissertation writing or research required for program completion shall be determined with the necessary study to complete those program requirements considered.

(Requirements for program completion)

Article 10-1 The requirements for the completion of a master's degree program are: to have been enrolled in a graduate school for two years or more; to have attained 30 credits or more; and, having had necessary research supervision, to pass the review for a master's degree thesis or research outcomes on a specific topic as well as exams conducted by the Graduate School according to the purposes of the master's degree program. The enrollment period of one year or more in a graduate school shall be however deemed sufficient for those who have demonstrated outstanding research achievements.

Article 10-2 With regard to the master's degree program completion requirements for the students whose major field of study (kamoku-gun) is either Advanced Public Health Nursing, Advanced Midwifery or Advanced Practice Nursing prescribed in the Master's Degree Program in Nursing in the Appended Table, the provisions in the preceding paragraph and the Paragraph 1 of the next Article shall apply with a requirement of "36 credits" replacing "30 credits" prescribed in the preceding Paragraph and the Paragraph 1 of the next Article.

Article 10-3 When deemed educationally beneficial for students, the Graduate School may designate the courses provided by the divisions of kennkyu-ka, gakuin and kyouiku-bu (referred to as "Graduate Schools" in Paragraph 5 and Paragraph 5 of the next Article) in Hokkaido University (referred to as "HU" in Paragraph 5, the Paragraph 5 of the next Article and Article 15), the undergraduate courses or the Special Cross-Disciplinary Courses prescribed in the *Hokkaido University Special Cross-Disciplinary Courses Rules* (HU Doc. 50 of 2019) to be taken by the students and credit students with master's course credits.

Article 10-4 When deemed educationally beneficial for students, the Graduate School may designate the courses prescribed in the *Hokkaido University Graduate School Regulations Concerning Inter-Graduate School Classes* (HU Doc. No. 24 of 2000) (referred to as "Inter-Graduate School Courses" in Paragraph 4 of the next Article) to be taken by the students and credit students with master's course credits.

Article 10-5 When deemed educationally beneficial for students, the Graduate School may approve its students to receive necessary research supervision prescribed in Paragraph 1 at other Graduate Schools of HU for a period not exceeding one year.

Article 11-1 The requirements for the completion of a doctoral degree program are: "to have been enrolled in a graduate school for five years or more (including the two years or more of the master's degree program period, or the two years enrollment period for the master's degree program if the person has completed the program)"; to have attained 30 credits or more in the master's degree program and 12 credits or more in the doctoral degree program; and, having had necessary research supervision, to pass the review for a doctoral degree dissertation and exams conducted by the Graduate School. The enrollment period of three years or more in a graduate school (including the two years or more of the master's degree program period, or the two-year enrollment period for the master's degree program if the person has completed the program) shall be however deemed sufficient for those who have demonstrated outstanding research achievements.

Article 11-2
With regard to the doctoral degree program completion requirements for the students who have completed a master's degree program after being enrolled for the period stipulated in the provisions under the Paragraph

1 proviso in the preceding Article, the provisions in the preceding paragraph shall apply with a requirement of: “to have been enrolled for the period of master’s degree program plus additional three years” replacing “to have been enrolled in a graduate school for five years or more (including the two years or more of the master’s degree program period, or the two years enrollment period for the master’s degree program if the person has completed the program)” in the preceding paragraph; and a requirement “three years (including the enrollment period of a master’s degree program) replacing “the enrollment period of three years or more in a graduate school (including the two years or more of the master’s degree program period, or the two years enrollment period for the master’s degree program if the person has completed the program)” in the preceding paragraph.

Article 11-3 Notwithstanding the provisions of the preceding two paragraphs, under the provisions of Article 156 of the Ordinance for Enforcement of the School Education Act (Ordinance of the Ministry of Education No. 11 of 1947), when persons who are found to have academic competence equivalent or superior to the holders of a master’s degree or professional degree in terms of admissions eligibility or those who completed a professional degree program enrolled in a doctoral degree program (the latter three years of the graduate program), the doctoral degree program completion requirements shall be: to have been enrolled in a graduate school for three years or more (two years for those who have completed a law school program prescribed in Article 18, Paragraph 1 of the *Standards for Establishment of Professional Graduate Schools* (Ordinance of the Ministry of Education, Culture, Sports, Science and Technology, No. 16 of 2003)); to have attained 12 credits or more; and, having had necessary research supervision, to pass the review for a doctoral degree dissertation and exams conducted by the Graduate School. The enrollment period of one year or more, however, shall be deemed sufficient for those who have demonstrated outstanding research achievements (for those who completed a professional degree with the standard duration of one year or more but less than two years, the number of years equal to, or longer than, the solution to the calculation ‘three years subtracted by the applicable standard duration (one year or more but less than two years)’ applies).

Article 11-4 When deemed educationally beneficial for students, the Graduate School may designate some of the Inter-Graduate School Courses to be taken by the students and credit students with doctoral course credits as part of the requirements stipulated in Paragraph 1.

Article 11-5 When deemed educationally beneficial for students, the Graduate School may confirm students to have research supervision at HU’s Graduate Schools as prescribed in Paragraph 1. Master’s students may however be under such research supervision for no more than one year.

(Extended Enrollment)

Article 12-1
Upon application by a working student for extended enrollment for a fixed period beyond the standard duration to take up necessary courses and complete a graduate program as organized in advance in order to balance work and study commitments, the Graduate School may give the student its approval of the organized enrollment plan (referred to as “Extended Enrollment” in the next Paragraph) after deliberation by the Faculty Council.

Article 12-2 In addition to what is prescribed regarding the Extended Enrollment in Article 4-2 of the General Regulations, the Dean of the Graduate School shall separately determine necessary matters at the Graduate School after deliberation by the Faculty Council.

(Enrollment in the Graduate Schools of Other Universities)

Article 13-1 When deemed educationally beneficial, students may, upon deliberation by the Faculty Council, take courses at the graduate schools of other universities, overseas graduate schools or United Nations University which was founded by the resolution of the General Assembly of the United Nations on December 11, 1972 as prescribed in Article 1, Paragraph 2 of the "*Act on Special Measures Concerning the Enforcement of the Agreement between the United Nations and Japan about the Headquarters of the United Nations University*" (Act No. 72 of 1976) (referred to as "United Nations University" in Paragraph 1 of the next Article and Article 15, Paragraph 1).

Article 13-2 The credits for the courses taken or the academic achievement which students have attained under the provisions of the preceding Paragraph shall be deemed part of, but not exceeding 15 credits in total for the whole duration of master's and doctoral degree programs, the required credits under the provisions of Article 10 and 11.

Article 13-3 When deemed educationally beneficial, students may, upon deliberation by the Faculty Council, have necessary research supervision at the graduate schools of other universities, research institutes or graduate schools/research institutes abroad. Master's students may however be under such research supervision for not exceeding one year.

(Credits Attained at the Graduate Schools of Other Universities During the Leave of Absence)

Article 14-1 When deemed educationally beneficial for students, upon deliberation by the Faculty Council, the Graduate School shall count the credits attained at a graduate school of another university and the academic achievement attained at an overseas graduate school or United Nations University during their leave of absence as the credits attained by taking the courses offered by the Graduate School.

Article 14-2 The total number of credits attained under the provisions in the preceding paragraph and Paragraph 2 of the preceding Article shall not exceed 15 for the full duration of master's and doctoral degree programs.

(Approval of Credits Earned Before Enrollment and Number of Years Attended)
Article 15-1 When deemed educationally beneficial for students, upon deliberation by the Faculty Council, the Graduate School shall count the credits of a newly enrolled student to the Graduate School attained before enrollment at a graduate school in HU or a graduate school of another university (including the credits for the courses enrolled by the student who was a credit auditor as prescribed in Article 15 of the "*Standards for Establishment of Graduate Schools*" (Ordinance of the Ministry of Education, Culture, Sports, Science and Technology, No. 28 of 1974), or the academic achievement attained at an overseas graduate school or United Nations University, as the credits attained through courses at the Graduate School. The number of

approvable credits attained at institutes other than HU shall not exceed 15 for the full duration of master's and doctoral degree programs.

Article 15-2 The total number of approvable credits attained under the provisions in the preceding paragraph, Article 13 Paragraph 2 and Paragraph 2 of the preceding Article shall not exceed 20 for the full duration of master's and doctoral degree programs.

Article 15-3 When the Graduate School counts the credits or academic achievement attained before enrollment (those attained after being qualified for admission to graduate study (defined in Article 102, Paragraph 1 of the *School Education Act*, Act No. 26 of 1947) as the credits attained at the Graduate School under the provisions in Paragraph 1, and it deems the said credits or academic achievement satisfying partial completion of a master's degree program of the Graduate School, the time spent for attaining the credits in consideration with the number of attained credits shall be deemed a period of attendance at the Graduate School with the length determined by the Graduate School for up to 1 year. In this case, however, the student shall be enrolled in the concerned master's program for at least one year.

(Course Enrollment Methods)

Article 16 The Dean of the Graduate School shall determine the details of course enrollment methods after deliberation by the Faculty Council.

(Examination)
Article 17 Examinations for courses (hereinafter referred to as "Course Exams") shall be conducted at the end of the semester after the completion of all classes offered for each course. Ad hoc Course Exams may nevertheless take place upon deliberation of the Faculty Council under unavoidable circumstances.

(Academic Assessment)

Article 18 Course Exams shall be graded on a five-point grading scale of Excellent, Very Good, Good, Fair, and Fail in which Excellent, Very Good, Good, and Fair are passing grades.

(Thesis/Dissertation Maximum Submission Date)

Article 19 Theses and dissertations must be submitted by the due date specified by the Graduate School.

Chapter 5 Program Completion Approval

(Program Completion Approval)

Article 20 The President of HU shall approve the master's and doctoral program completion for students who meet program completion requirements upon deliberation by the Faculty Council.

Chapter 6 Special Auditor, Special Research Student and Overseas Student

(Special Auditor)

Article 21-1 The Graduate School shall, after deliberation of the Faculty Council, admit students from the graduate schools of other universities and from overseas graduate schools who intend to enroll in particular courses and attain credits at the Graduate School as special auditors.

Article 21-2 Admissions shall be on a semester-by-semester or year-by-year basis for the special auditors.

Article 21-3 Regarding the implementation of Course Exams and academic assessment, the provisions in Articles 17 and 18 shall apply mutatis mutandis to the special auditors.

(Special Research Student)

Article 22 The Graduate School shall, after deliberation of the Faculty Council, admit students from the graduate schools of other universities and from overseas graduate schools who intend to have research supervision at the Graduate School as special research students.

Article 23 Deleted

(Overseas Student)

Article 24 The President of HU shall, after deliberation of the Faculty Council, approve the admissions of overseas students under the provisions in Article 47 of the General Regulations.

Supplementary Provisions
These Rules come into force on April 1, 2008.

Supplementary Provisions (HU Doc. No.103, April 1, 2010)
1 These Rules come into force on April 1, 2010.
2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2010 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions (HU Doc. No.129, April 1, 2011)
1 These Rules come into force on April 1, 2011.
2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2011 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.
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Supplementary Provisions (HU Doc. No. 70, April 1, 2013)

1 These Rules come into force on April 1, 2013.

2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2013 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions (HU Doc. No. 133, April 1, 2014)

1 These Rules come into force on April 1, 2014.

2 Notwithstanding the provisions of the revised Article 10, Paragraph 2 and the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2014 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions (HU Doc. No. 141, April 1, 2015)

1 These Rules come into force on April 1, 2015.

2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2015 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions (HU Doc. No. 101, April 1, 2016)

1 These Rules come into force on April 1, 2016.

2 Notwithstanding the provisions of the revised *Hokkaido University Graduate School of Health Sciences Rules*, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2016 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions (HU Doc. No. 123, April 1, 2017)

These Rules come into force on April 1, 2017.

Supplementary Provisions (HU Doc. No. 76, April 1, 2018)

1 These Rules come into force on April 1, 2018.

2 Notwithstanding the provisions of the revised Article 10, Paragraph 2 and the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2018 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions (HU Doc. No. 107, April 1, 2019)

These Rules come into force on April 1, 2019)

Supplementary Provisions (HU Doc. No. 91, April 1, 2020)

1 These Rules come into force on April 1, 2020.
2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2020 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions (HU Doc. No. 79, April 1, 2021)
These Rules come into force on April 1, 2021

Supplementary Provisions (HU Doc. No. 98, April 1, 2022)
1 These Rules come into force on April 1, 2022.
2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2022 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions (HU Doc. No. 94, April 1, 2023)
1 These Rules come into force on April 1, 2023.
2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2023 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions
1 These Rules come into force on April 1, 2024.
2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2024 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Supplementary Provisions
1 These Rules come into force on April 1, 2025.
2 Notwithstanding the provisions of the revised Appended Table, the provisions then in force shall remain applicable to the students who are enrolled in the graduate schools of HU as of March 31, 2025 (hereinafter in this Paragraph referred to as “Enrolled Students”) and those who enroll in one of the program years to which the Enrolled Students belong on or after April 1 of the same year.

Appended Table (Quoted in Article 8)

Master’s Degree Programs

Division of Health Sciences Common Foundation Courses

Course Type	Course Name	Credit	Remarks
Required Course	Risk Management	1	The Degree requires a minimum of 8 credits including 1 credit from the Required Courses, 1 or more credits from the Required Elective Courses A in addition to 2 credits from the Required Elective Courses B.
Required Elective Course A	Health Care Ethics	1	
	Nursing Ethics	2	
Required Elective Course B	Experimental Methodology	2	
	Case Study Methods in Health Sciences	2	
	Methods of Qualitative Research	2	
	Research Strategies in Health Sciences	2	
	Methodology in Nursing Research	2	
Elective Course	Statistical Practice for Healthcare Research	2	
	Advanced Laboratory Medicine	2	
	Oncology and Regenerative Medicine	2	
	Functional Anatomy	2	
	Health Sciences	2	
	Sports and Physical Fitness Science	2	
	Physiological Functions of Foods	2	
	Nutraceutical Pharmacodynamics	2	
	Team Approach to Health Care	2	

Master’s Degree Program in Health Sciences

Major Field of Study and Course Type		Course	Credit	Remarks
Biomedical Science and Engineering	Required Elective Course	Advanced Lecture on Medical Physics and Biomedical Engineering	2	The students in the Master's Degree Program of Health Sciences must select one major field of study from "Biomedical Science and Engineering", "Medical Laboratory Science", "Rehabilitation Science" and "Health Research Studies". The degree requires a minimum of 14 credits including a set of a Lecture (2 credits) and a Seminar (2 credits) from your major field of study in addition to "Supervised Individual Study in Health Sciences" (10 credits).
		Quantum Life Medical Science	2	
		Seminar on Quantum Life Medical Science	2	
		Advanced Lecture on Diagnostic Imaging	2	
		Seminar on Diagnostic Imaging	2	
		Clinical Imaging Technology	2	
		Seminar on Clinical Imaging Technology	2	
Medical Laboratory Science	Required Elective Course	Comprehensive Assessment of Cardiovascular Function	2	
		Seminar on Comprehensive Assessment of Cardiovascular Function	2	
		Blood Regulation and Regeneration	2	
		Seminar on Blood Regulation and Regeneration	2	
		Analytical Chemistry for Metabolic Research	2	

Major Field of Study and Course Type		Course	Credit	Remarks
		Seminar on Analytical Chemistry for Metabolic Research	2	
		Advanced Lecture on Infection and Stress Response	2	
		Seminar on Infection and Stress Response	2	
		Immunopathogenesis	2	
		Seminar on Immunopathogenesis	2	
Rehabilitation Science	Required Elective Course	Motor Control	2	
		Seminar on Motor Control	2	
		Management of Musculoskeletal System Disorders	2	
		Seminar on Management of Musculoskeletal System Disorders	2	
		Clinical Cognitive Neuroscience	2	
		Seminar on Clinical Cognitive Neuroscience	2	
		Biomedical System Control Science	2	
		Biomedical System Control Science Seminar	2	
		Rehabilitation for Patients with Mental Disorders	2	
		Seminar on Rehabilitation for Patients with Mental Disorders	2	
		Fundamental Research for Functional Biology	2	
		Seminar on Fundamental Research for Functional Biology	2	
		Advanced Sports Physical Therapy	2	
		Sports Physical Therapy Seminar	2	
Health Research Studies	Required Elective Course	Environmental Health Sciences	2	
		Exercise on Environmental Health Sciences	2	
		Human Ecology	2	
		Seminar on Human Ecology	2	
		Advanced Metrology of Functional Information	2	

Major Field of Study and Course Type		Course	Credit	Remarks
		Seminar on Metrology of Functional Information	2	
		Health Information Science	2	
		Seminar on Health Information Science	2	
		Cognitive Neurology	2	
		Seminar on Cognitive Neurology	2	
Supervised Individual Study		Health Sciences	10	

Master’s Degree Program in Nursing

Major Field of Study and Course Type		Course	Credit	Remarks
Nursing Science	Required Elective Course	Issues and Concepts in Nursing Administration	2	1 The students in the Master's Degree Program of Nursing must select one major field of study from "Nursing Science", "Advanced Public Health Nursing", "Advanced Midwifery" and "Advanced Practice Nursing". 2 When you select "Nursing Science", your degree requires a minimum of 14 credits including a set of a Lecture (2 credits) and a Seminar (2 credits) from your major field of study (Nursing Science) in addition to "Supervised Individual Study in Nursing Science" (10 credits). 3 When you select "Advanced Public Health Nursing", your degree requires a minimum of 18 credits including 10 credits from the Required Courses and 8 credits from "Supervised Individual Study in Nursing Practice".
		Seminar on Nursing Administration	2	
		Clinical Nursing Skills	2	
		Seminar on Clinical Nursing Skills	2	
		Primary Care Nursing and Health System Management	2	
		Seminar on Primary Care Nursing and Health System Management	2	
		Oncology Nursing	2	
		Seminar on Oncology Nursing	2	
		Advanced Community Health Nursing	2	
		Seminar on Community Health Nursing	2	
		Issues and Concepts in Nursing Education	2	
		Seminar on Nursing Education	2	
		Gerontological Nursing	2	
		Seminar on Gerontological Nursing	2	
		Cognitive Nursing Science	2	
		Seminar on Cognitive Nursing Science	2	
		Psychiatric, Neuroscientific and Mental Health Nursing	2	
		Seminar on Psychiatric, Neuroscientific and Mental Health Nursing	2	
		Advanced maternal and child nursing for global health	2	
		Seminar on maternal and child nursing	2	

Major Field of Study and Course Type		Course	Credit	Remarks
		for global health		
		Maternal and Child Nursing Science	2	4 When you select "Advanced Midwifery", your degree requires a minimum of 18 credits including 10 credits from the Required Courses and 8 credits from "Supervised Individual Study in Nursing Practice". 5 When you select "Advanced Practice Nursing", your degree requires a minimum of 20 credits including 12 credits from the Required Courses and 8 credits from "Supervised Individual Study in Nursing Practice".
		Seminar on Maternal and Child Nursing Science	2	
		Preventive Nursing	2	
		Seminar on Preventive Nursing	2	
		Global Health Nursing	2	
		Seminar on Global Health Nursing	2	
		Advanced Nursing Informatics	2	
		Seminar on Nursing Informatics	2	
Advanced Public Health Nursing	Required Course	Advanced Public Health Nursing	2	
		Seminar on Public Health Nursing	2	
		Review of Public Health Nursing	6	
	Elective Course	Principles of Public Health Nursing	2	
		Public Health Nursing Part I	2	
		Public Health Nursing Part II	2	
		Public Health Nursing Part III	1	
		Health Risk Management	2	
		Health and Welfare Administration	2	
		Public Health Nursing Field Practicum Simulation I	2	
		Public Health Nursing Field Practicum Simulation II	2	
		Public Health Nursing Field Practicum Simulation III	1	
		Public Health Nursing Management	2	
		Social Epidemiology	2	
		Social Security and Health Policy	2	
		Public Health Nursing Practice I	2	
		Public Health Nursing Practice II	2	
		Public Health Nursing Practice III	1	
Advanced Midwifery	Required Course	Advanced Midwifery	2	
		Seminar on Advanced Midwifery	2	
		Seminar on Clinical Practice in Midwifery	6	
	Elective Course	Advanced Women's Health	2	
		Advanced Reproductive Health	2	
		Advanced Midwifery in Human	2	

Major Field of Study and Course Type		Course	Credit	Remarks
		Relationship		
		Advanced Diagnostic Methodology and Applied Technology in Midwifery	4	
		Seminar on Diagnostic Methodology and Applied Technology in Midwifery I	2	
		Seminar on Diagnostic Methodology and Applied Technology in Midwifery II	2	
		Advanced Child Health Care	2	
		Advanced Midwifery on Maternal and Child for Global Health	2	
		Midwifery Management	2	
		Clinical Midwifery Practice I	7	
		Clinical Midwifery Practice II	2	
		Clinical Midwifery Practice III	2	
Advanced Practice Nursing	Required Course	Oncology Nursing I	2	
		Oncology Nursing II	2	
		Advanced Seminar on Oncology Nursing I	2	
		Advanced Seminar on Oncology Nursing II	2	
		Seminar on Oncology Nursing I	2	
		Seminar on Oncology Nursing II	2	
	Elective Course	Advanced Lecture on Physical Assessment	2	
		Advanced Lecture on Pathophysiology	2	
		Advanced Lecture on Clinical Pharmacology	2	
		Advanced Lecture on Consultation	2	
		Advanced Clinical Oncology	2	
		Advanced Nursing Practice I	2	
		Advanced Nursing Practice II	3	
		Advanced Nursing Practice III	3	
		Advanced Nursing Practice IV	2	
Supervised Individual Study		Nursing Science	10	
		Nursing Practice	8	

Doctoral Degree Programs

Division of Health Sciences Common Courses

Major Field of Study and Course Type	Course	Credit	Remarks
Required Course	Advanced Study of Medical Management	2	

Doctoral Degree Program in Health Sciences

Major Field of Study and Course Type		Course	Credit	Remarks
Advanced Medical Sciences	Required Elective Course	Advanced Study of Medical Imaging Science	2	The students in the Doctoral Degree Program in Health Sciences must select one major field of study from "Advanced Medical Sciences" and "Comprehensive Health Sciences". The degree requires a minimum of 10 credits including a set of a Lecture (2 credits) and a Seminar (2 credits) under the same name (covering the same course topic) from their major field of study in addition to "Supervised Individual Research in Health Sciences" (6 credits).
		Advanced Seminar on Medical Imaging Science	2	
		Advanced Study of Biomedical Science and Technology	2	
		Advanced Seminar on Biomedical Science and Technology	2	
		Advanced Study of Charged Particle Therapy	2	
		Advanced Seminar on Charged Particle Therapy	2	
Comprehensive Health Sciences	Required Elective Course	Advanced Study of Rehabilitation Science	2	
		Advanced Seminar on Rehabilitation Science	2	
		Advanced Study of Health Evaluation	2	
		Advanced Seminar on Health Evaluation	2	
		Advanced Study of Health Science Management	2	
		Advanced Seminar on Health Science Management	2	
Supervised Individual Research		Health Sciences	6	

Doctoral Degree Program in Nursing Sciences

Major Field of Study and Course Type		Course	Credit	Remarks
Nursing Sciences	Required Elective Course	Advanced Study of Fundamental Nursing Science	2	The degree requires the students in the Doctoral Degree Program in Nursing to study a minimum of 10 credits including a set of a Lecture (2 credits) and a Seminar (2 credits) under the same name (covering the same
		Advanced Seminar on Fundamental Nursing Science	2	
		Advanced Study of Clinical Nursing Science	2	
		Advanced Seminar on Clinical Nursing	2	

		Science		course topic) from the Required Elective Courses in addition to "Supervised Individual Research in Nursing Sciences" (6 credits).
		Advanced Study of Social Health and Nursing Science	2	
		Advanced Seminar on Social Health and Nursing Science	2	
		Advanced Study of Women's Health and Nursing Science	2	
		Advanced Seminar on Women's Health and Nursing Science	2	
Supervised Individual Research		Nursing Sciences	6	

MASTER'S DEGREE PROGRAMS

Hokkaido University Graduate School of Health Sciences Master's Thesis Assessment Criteria

1. Basic Requirements for Thesis

1) Students must demonstrate that they meet the level of academic achievement, competence and quality stipulated in the *Hokkaido University Postgraduate Degree Programs Degree Awarding Principles* and the *Graduate School of Health Sciences Diploma Policy* to be conferred a master's degree. Their theses must present the attainment of the said abilities in clear and plain language.
2) Master's degree candidates must be the sole author of their theses. Any part of a submitted thesis by a candidate must not have infringed on the originality and ideas of research papers published or research presentations made by persons other than the thesis candidate/author.
3) Master's theses must not infringe on copyright and the right of publicity of persons other than the thesis candidates/authors.
4) Master's theses must be written based on the research conducted while abiding by the *Code of Conduct for Scientists at Hokkaido University.*

2. Thesis structure

The structure of the thesis should meet the following requirements.

1) An adequate title is given to the thesis.
2) The thesis discusses the research background and clarifies the research purposes.
3) The thesis describes the research methods which align with the research purposes.
4) Research results are graphically and adequately presented using such as charts, graphs and diagrams.
5) Discussion is generated in accordance with the research results.
6) The thesis appropriately draws a conclusion which answers defined research purposes.
7) References are cited appropriately.
8) The thesis covers all necessary stages above and has them appropriately chaptered.

3. Thesis content

The content of the thesis will be reviewed with the following criteria in mind. It is however up to the examination committee to decide to which criterion they give more weight.

1) The committee finds a level of the academic value of the concerned discipline in the thesis.
2) Appropriate research topics and methods are employed.
3) The research has been conducted upon a solid literature search, fieldwork and preceding study.
4) Research data essential to the research topics and methods have been collected and processed.
5) The process of the research project is elaborated in detail.
6) The thesis provides in-depth analyses and detailed interpretation of data in the figures and tables.
7) The gist of the argument is clear while the coherent argument is presented.
8) Discussions are made in an appropriate style of writing leading to firm conclusions.

Program Structure: Courses and Credits　　AY2025 Admitted Master's Students

Division of Health Sciences Common Foundation Courses

Major Field of Study	Course	Eligible Year of Course	Number of Course Credit				Class Format			Remarks
			Required	Required Elective	Elective	Not Specified	Lecture	Seminar	Experiment/practical	
Common Foundation Courses	Risk Management	Year1&2 Sem1	1				○			Complete 8 credits or more including 1 or more credits from “Health Care Ethics” or “Nursing Ethics”, 1 credit of “Risk Management” and 2 credits from the research method courses (Experimental Methodology/Case Study Methods in Health Sciences/Methods of Qualitative Research/Research Strategies in Health Sciences/Methods of Nursing Research).
	Health Care Ethics	Year1&2 Sem1		1			○			
	Nursing Ethics	Year1&2 Sem1		2			○			
	Experimental Methodology	Year1 Full year		2			○			
	Case Study Methods in Health Sciences	Year1 Full year		2			○			
	Methods of Qualitative Research	Year1 Full year		2			○			
	Research Strategies in Health Sciences	Year1 Full year		2			○			
	Methodology in Nursing Research	Year1 Full year		2			○			
	Statistical Practice for Healthcare Research	Year1&2 Sem1			2		○			
	Advanced Laboratory Medicine	Year1&2 Sem1			2		○			
	Oncology and Regenerative Medicine	Year1&2 Sem1			2		○			
	Functional Anatomy	Year1 Sem2			2		○			
	Health Sciences	Year1&2 Sem1			2		○			
	Sports and Physical Fitness Science	Year1&2 Sem1			2		○			
	Physiological Functions of Foods	Year1&2 Sem1			2		○			
	Nutraceutical Pharmacodynamics	Year1&2 Sem1			2		○			
	Team Approach to Health Care	Year1&2 Sem1			2		○			
	Total available credits from 17 courses	—	1	13	18	0	—			

Master's Degree Program in Health Sciences

Major Field of Study	Course	Eligible Year of Course	Number of Course Credit				Class Format			Remarks
			Required	Required Elective	Elective	Not Specified	Lecture	Seminar	Experiment/practical	
Biomedical Science and Engineering	Advanced Lecture on Medical Physics and Biomedical Engineering	Year1&2 Sem1		2			○			
	Quantum Life Medical Science	Year1&2 Sem1		2			○			
	Seminar on Quantum Life Medical Science	Year1 Sem2		2				○		
	Advanced Lecture on Diagnostic Imaging	Year1&2 Sem1		2			○			
	Seminar on Diagnostic Imaging	Year1 Sem2		2				○		
	Clinical Imaging Technology	Year1&2 Sem1		2			○			
	Seminar on Clinical Imaging Technology	Year1 Sem2		2				○		
	Total available credits from 7 courses	—	0	14	0	0	—			
Medical Laboratory Science	Comprehensive Assessment of Cardiovascular Function	Year1 Sem1		2			○			
	Seminar on Comprehensive Assessment of Cardiovascular Function	Year1 Sem2		2				○		
	Blood Regulation and Regeneration	Year1&2 Sem1		2			○			
	Seminar on Blood Regulation and Regeneration	Year1 Sem2		2				○		
	Analytical Chemistry for Metabolic Research	Year1&2 Sem1		2			○			
	Seminar on Analytical Chemistry for Metabolic Research	Year1 Sem2		2				○		
	Advanced Lecture on Infection and Stress Response	Year1&2 Sem1		2			○			
	Seminar on Infection and Stress Response	Year1 Sem2		2				○		
	Immunopathogenesis	Year1&2 Sem1		2			○			
	Seminar on Immunopathogenesis	Year1 Sem2		2				○		
	Total available credits from 10 courses	—	0	20	0	0	—			
Rehabilitation Science	Motor Control	Year1&2 Sem1		2			○			Select one of the "Major Field of Study". Complete 2 credits or more from "Lecture" courses as well as 2 credits or more from "Seminar" courses.
	Seminar on Motor Control	Year1 Sem2		2				○		
	Management of Musculoskeletal System Disorders	Year1&2 Sem1		2			○			
	Seminar on Management of Musculoskeletal System Disorders	Year1 Sem2		2				○		
	Clinical Cognitive Neuroscience	Year1&2 Sem1		2			○			
	Seminar on Clinical Cognitive Neuroscience	Year1 Sem2		2				○		
	Biomedical System Control Science	Year1&2 Sem1		2			○			
	Biomedical System Control Science Seminar	Year1 Sem2		2				○		
	Rehabilitation for Patients with Mental Disorder	Year1&2 Sem1		2			○			
	Seminar on Rehabilitation for Patients with Mental Disorders	Year1 Sem2		2				○		
	Fundamental Research for Functional Biology	Year1&2 Sem1		2			○			
	Seminar on Fundamental Research for Functional Biology	Year1 Sem2		2				○		
	Advanced Sports Physical Therapy	Year1&2 Sem1		2			○			
	Sports Physical Therapy Seminar	Year1 Sem2		2				○		
	Total available credits from 14 courses	—	0	28	0	0	—			
Health Research Studies	Environmental Health Sciences	Year1&2 Sem1		2			○			
	Exercise on Environmental Health Sciences	Year1 Sem2		2				○		
	Human Ecology	Year1&2 Sem1		2			○			
	Seminar on Human Ecology	Year1 Sem2		2				○		
	Advanced Metrology of Functional Information	Year1&2 Sem1		2			○			
	Seminar on Metrology of Functional Information	Year1 Sem2		2				○		
	Health Information Science	Year1&2 Sem1		2			○			
	Seminar on Health Information Science	Year1 Sem2		2				○		
	Cognitive Neurology	Year1&2 Sem1		2			○			
	Seminar on Cognitive Neurology	Year1 Sem2		2				○		
	Total available credits from 10 courses	—	0	20	0	0	—			
Supervised Individual Study	Health Sciences	Year1&2 Full years	10					○		Complete the "Supervised individual study in Health Sciences" course if you are in the Master's Degree Program in Health Sciences.
	Total available credits from 1 course	—	10	0	0	0	—			

Master's Degree Program in Nursing

Major Field of Study	Course	Eligible Year of Course	Number of Course Credit				Class Format			Remarks
			Required	Required Elective	Elective	Not Specified	Lecture	Seminar	Experiment/practical	
Nursing Science	Issues and Concepts in Nursing Administration	Year1&2 Sem1		2			○			Students whose Major Field of Study is Nursing Science should complete 2 credits or more from "Lecture" courses as well as 2 credits or more from "Seminar" courses. *"Oncology Nursing" and "Seminar on Oncology Nursing" shall be replaced with "Oncology Nursing II" and "Seminar on Oncology Nursing II" respectively for the students whose Major Field of Study is Advanced Practice Nursing.
	Seminar on Nursing Administration	Year1 Sem2		2				○		
	Clinical Nursing Skills	Year1&2 Sem1		2			○			
	Seminar on Clinical Nursing Skills	Year1 Sem2		2				○		
	Primary Care Nursing and Health System Management	Year1&2 Sem1		2			○			
	Seminar on Primary Care Nursing and Health System Management	Year1 Sem2		2				○		
	Oncology Nursing*	Year1&2 Sem1		2			○			
	Seminar on Oncology Nursing*	Year1 Sem2		2				○		
	Advanced Community Health Nursing	Year1&2 Sem1		2			○			
	Seminar on Community Health Nursing	Year1 Sem2		2				○		
	Issues and Concepts in Nursing Education	Year1&2 Sem1		2			○			
	Seminar on Nursing Education	Year1 Sem2		2				○		
	Gerontological Nursing	Year1&2 Sem1		2			○			
	Seminar on Gerontological Nursing	Year1 Sem2		2				○		
	Cognitive Nursing Science	Year1&2 Sem1		2			○			
	Seminar on Cognitive Nursing Science	Year1 Sem2		2				○		
	Psychiatric, Neuroscientific and Mental Health Nursing	Year1&2 Sem1		2			○			
	Seminar on Psychiatric, Neuroscientific and Mental Health Nursing	Year1 Sem2		2				○		
	Advanced maternal and child nursing for global health	Year1&2 Sem1		2			○			
	Seminar on Maternal and Child Nursing for Global Health	Year1 Sem2		2				○		
	Maternal and Child Nursing Science	Year1&2 Sem1		2			○			
	Seminar on Maternal and Child Nursing Science	Year1 Sem2		2				○		
	Preventive Nursing	Year1&2 Sem1		2			○			
	Seminar on Preventive Nursing	Year1 Sem2		2				○		
	Global Health Nursing	Year1&2 Sem1		2			○			
	Seminar on Global Health Nursing	Year1 Sem2		2				○		
	Advanced Nursing Informatics	Year1&2 Sem1		2			○			
	Seminar on Nursing Informatics	Year1 Sem2		2				○		
	Total available credits from 28 courses	—	0	56	0	0	—			
Supervised Individual Study	Nursing Science	Year1&2 Full years	10					○		Complete the "Supervised individual study in Nursing Science" course if your Major Field of Study is Nursing Science.
	Total available credits from 1 course	—	10	0	0	0	—			
Advanced Public Health Nursing	Advanced Public Health Nursing	Year1 Sem1	2				○			Complete the "Advanced Public Health Nursing", "Seminar on Public Health Nursing" and "Review of Public Health Nursing" courses if your Major Field of Study is Advanced Public Health Nursing.
	Seminar on Public Health Nursing	Year1 Sem2	2					○		
	Review of Public Health Nursing	Year1 Sem2 & Year2 Sem1	6					○		
	Principles of Public Health Nursing	Year1 Sem1			2		○			
	Public Health Nursing Part I	Year1 Full Year			2		○			
	Public Health Nursing Part II	Year1 Full Year			2		○			
	Public Health Nursing Part III	Year1 Full Year			1		○			
	Health Risk Management	Year1 Full Year			2		○			
	Health and Welfare Administration	Year1 Full Year			2		○			
	Public Health Nursing Field Practicum Simulation I	Year1 Full Year			2			○		
	Public Health Nursing Field Practicum Simulation II	Year1 Full Year			2			○		
	Public Health Nursing Field Practicum Simulation III	Year1 Full Year			1			○		
	Public Health Nursing Management	Year2 Sem1			2		○			
	Social Epidemiology	Year1 Full Year			2			○		
	Social Security and Health Policy	Year2 Sem1			2		○			
	Public Health Nursing Practice I	Year1 Full Year			2				○	
	Public Health Nursing Practice II	Year1 Full Year			2				○	
	Public Health Nursing Practice III	Year1 Full Year			1				○	
	Total available credits for 17 courses	—	10	0	27	0	—			

Major Field of Study	Course	Eligible Year of Course	Number of Course Credit				Class Format			Remarks
			Required	Required Elective	Elective	Not Specified	Lecture	Seminar	Experiment/practical	
Advanced Midwifery	Advanced Midwifery	Year1 Sem1	2				○			Complete the “Advanced Midwifery”, “Seminar on Advanced Midwifery” and “Seminar on Clinical Practice in Midwifery” if your Major Field of Study is Advanced Midwifery.
	Seminar on Advanced Midwifery	Year1 Sem2	2					○		
	Seminar on Clinical Practice in Midwifery	Year1 Sem2 & Year2 Sem1	6					○		
	Advanced Women's Health	Year1 Sem1			2		○			
	Advanced Reproductive Health	Year1 Sem1			2		○			
	Advanced Midwifery in Human Relationship	Year1 Sem2			2		○			
	Advanced Diagnostic Methodology and Applied Technology in Midwifery	Year1 Sem1			4		○			
	Seminar on Diagnostic Methodology and Applied Technology in Midwifery I	Year1 Sem1			2			○		
	Seminar on Diagnostic Methodology and Applied Technology in Midwifery II	Year1 Sem1			2			○		
	Advanced Child Health Care	Year1 Sem2			2		○			
	Advanced Midwifery on Maternal and Child for Global Health	Year2 Sem1			2		○			
	Midwifery Management	Year1 Sem2			2		○			
	Clinical Midwifery Practice I	Year1 Sem2			7				○	
	Clinical Midwifery Practice II	Year2 Sem1			2				○	
	Clinical Midwifery Practice III	Year2 Sem1			2				○	
	Total available credits for 15 courses	—	10	0	31	0	—			
Advanced Practice Nursing	Oncology Nursing I	Year1 Sem1	2				○			Complete the “Oncology Nursing I&II”, “Advanced Seminar on Oncology Nursing I&II” and “Advanced Seminar on Oncology Nursing I&II” if your Major Field of Study is Advanced Practice Nursing.
	Oncology Nursing II	Year1 Sem1	2				○			
	Advanced Seminar on Oncology Nursing I	Year1 Sem2	2					○		
	Advanced Seminar on Oncology Nursing II	Year1 Sem2	2					○		
	Seminar on Oncology Nursing I	Year1 Sem2	2					○		
	Seminar on Oncology Nursing II	Year1 Sem2	2					○		
	Advanced Lecture on Physical Assessment	Year1 Sem1			2		○			
	Advanced Lecture on Pathophysiology	Year1 Sem1			2		○			
	Advanced Lecture on Clinical Pharmacology	Year1 Sem1			2		○			
	Advanced Lecture on Consultation	Year1 Sem1			2		○			
	Advanced Clinical Oncology	Year1 Sem1			2		○			
	Advanced Nursing Practice I	Year1 Sem2			2				○	
	Advanced Nursing Practice II	Year2 Sem1			3				○	
	Advanced Nursing Practice III	Year2 Sem1			3				○	
	Advanced Nursing Practice IV	Year2 Sem1			2				○	
	Total available credits for 15 courses	—	12	0	20	0	—			
Supervised Individual Study	Nursing Practice	Year 2 Full Year	8					○		Complete the “Supervised individual study in Nursing Practice” if your Major Field of Study is either Advanced Public Health Nursing, Advanced Midwifery or Advanced Practice Nursing.
	Total available credits from 1 course	—	8	0	0	0	—			

Name of Degree		The degree of Master of Health Sciences The degree of Master of Nursing	

Semester and class hour duration	
Number of semesters per academic year	2 semesters
Number of weeks per semester	15 weeks
Class hour duration	Lecture/seminar: 90 minutes Experiment/practical training: 180 minutes

Courses and Credits Required for Completion and Enrollment Instructions

Master's Degree Program in Health Sciences

		Credits
Common Foundation Courses	Required	1
	One of the Ethics courses	1 or more
	One of the Research Method courses	2
	Elective	4
	Subtotal	8
1 Lecture and 1 Seminar offered for a selected Major Field of Study		4
Supervised individual study in Health Sciences		10
Common Foundation Courses and the courses offered in this and the other degree programs of the Division of Health Sciences; Postgraduate Common Courses ; or Courses offered in other graduate schools		8
Total Minimum Credits Required		30

Master's Degree Program in Nursing
Major Field of Study – Nursing Science

		Credits
Common Foundation Courses	Required	1
	One of the Ethics courses	1 or more
	One of the Research Method courses	2
	Elective	4
	Subtotal	8
1 Lecture and 1 Seminar offered for Nursing Science		4
Supervised individual study in Nursing Science		10
Common Foundation Courses and the courses offered in this and the other degree programs of the Division of Health Sciences; Postgraduate Common Courses ; or Courses offered in other graduate schools		8
Total Minimum Credits Required		30

Master's Degree Program in Nursing
Major Field of Study – Advanced Public Health Nursing

		Credits
Common Foundation Courses	Required	1
	One of the Ethics courses	1 or more
	One of the Research Method courses	2
	Elective	4
	Subtotal	8
Advanced Public Health Nursing & Seminar on Public Health Nursing Practicum for Public Health Nursing		10
Supervised individual study in Nursing Practice		8
Common Foundation Courses and the courses offered in this and the other degree programs of the Division of Health Sciences; Postgraduate Common Courses ; or Courses offered in other graduate schools		10
Total Minimum Credits Required		36

Master's Degree Program in Nursing
Major Field of Study – Advanced Midwifery

		Credits
Common Foundation Courses	Required	1
	One of the Ethics courses	1 or more
	One of the Research Method courses	2
	Elective	4
	Subtotal	8
Advanced Midwifery & Seminar on Advanced Seminar on Clinical Practice in Midwifery		10
Supervised individual study in Nursing Practice		8
Common Foundation Courses and the courses offered in this and the other degree programs of the Division of Health Sciences; Postgraduate Common Courses ; or Courses offered in other graduate schools		10
Total Minimum Credits Required		36

Master's Degree Program in Nursing
Major Field of Study – Advanced Practice Nursing

		Credits
Common Foundation Courses	Required	1
	One of the Ethics courses	1 or more
	One of the Research Method courses	2
	Elective	4
	Subtotal	8
Oncology Nursing I&II and Seminar on Oncology Advanced Seminar on Oncology Nursing I&II		12
Supervised individual study in Nursing Practice		8
Common Foundation Courses and the courses offered in this and the other degree programs of the Division of Health Sciences; Postgraduate Common Courses ; or Courses offered in other graduate schools		8
Total Minimum Credits Required		36

[Prerequisite course completion for Public Health Nurse/Midwifery Licensure Examination]

Courses and Credits Required for Completion and Enrollment Instructions					
Master's Degree Program in Nursing Courses to complete before Public Health Nurse Licensure Examination			Master's Degree Program in Nursing Courses to complete before Midwifery Licensure Examination		
Major Field of Study – Advanced Public Health Nursing		Credits	Major Field of Study – Advanced Midwifery		Credits
Common Foundation Courses	Risk Management	1	Common Foundation Courses	Risk Management	1
	Health Care Ethics	1		Health Care Ethics	1
	Select one of the following: Experimental Methodology, Case Study Methods in Health Sciences, Methods of Qualitative Research, Research Strategies in Health Sciences or Methodology in Nursing Research	2		Select one of the following: Experimental Methodology, Case Study Methods in Health Sciences, Methods of Qualitative Research, Research Strategies in Health Sciences or Methodology in Nursing Research	2
	2 Common Foundation Courses other than the above and the courses indicated in footnote 1	4		2 Common Foundation Courses other than the above and the courses indicated in footnote 1	4
	Subtotal	8		Subtotal	8
Advanced Public Health Nursing & Seminar on Public Health Nursing		4	Advanced Midwifery & Seminar on Advanced Midwifery		4
Practicum for Public Health Nursing		6	Seminar on Clinical Practice in Midwifery		6
Supervised individual study in Nursing Practice		8	Supervised individual study in Nursing Practice		8
Courses Stipulated in Relevant Regulations (see footnote 2) 6 credits from: Principles of Public Health Nursing Social Security and Health Policy Advanced Community Health Nursing 4 credits from: Courses offered in "Major Field of Study - Nursing Science" and Common Foundation Courses (excl. the courses in footnote 1)		10	Courses Stipulated in Relevant Regulations (see footnote 2) 6 credits from: Advanced Women's Health Advanced Reproductive Health Advanced Midwifery on Maternal and Child for Global Health 4 credits from: Courses offered in "Major Field of Study - Nursing Science" and Common Foundation Courses (excl. the courses in footnote 1)		10
Courses Stipulated in Relevant Regulations	The following 14 courses in "Major Field of Study - Advanced Public Health Nursing"		Courses Stipulated in Relevant Regulations	The following 12 courses in "Major Field of Study - Advanced Midwifery"	
	Principles of Public Health Nursing (see footnote 2)	2		Advanced Women's Health (see footnote 2)	2
	Public Health Nursing Activities	2		Advanced Reproductive Health (see footnote 2)	2
	Health Promotion for Community	2		Advanced Midwifery in Human Relationship	2
	Occupational Health Nursing	1		Advanced Diagnostic Methodology and Applied Technology in Midwifery	4
	Health Risk Management	2		Seminar on Diagnostic Methodology and Applied Technology in Midwifery I	2
	Health and Welfare Administration	2		Seminar on Diagnostic Methodology and Applied Technology in Midwifery II	2
	Seminar on Public Health Nursing Activities I	3		Advanced Child Health Care	2
	Seminar on Public Health Nursing Activities II	2		Advanced Midwifery on Maternal and Child for Global Health (see footnote 2)	2
	Public Health Nursing Management	2		Midwifery Management	2
	Seminar on Public Health Nursing Epidemiology	2		Clinical Midwifery Practice I	7
	Social Security and Health Policy (see footnote 2)	2		Clinical Midwifery Practice II	2
	Public Health Nursing Practice I	2		Clinical Midwifery Practice III	2
	Public Health Nursing Practice II	2			
	Public Health Nursing Practice III	1			
	Advanced Community Health Nursing (offered in "Major Field of Study - Nursing Science", see footnote 2)	2			
	"Health, Society and Environment - Community Health Activity" from the Postgraduate Common Courses (Inter-Graduate School Classes)	2			
	Subtotal	25 (31)		Subtotal	25 (31)
Total Minimum Credits Required for Program Completion and Determined Under Regulations		61	Total Minimum Credits Required for Program Completion and Determined Under Regulations		61

[1] Nursing Ethics, Hospital Financial Accounting, Hospital Management Strategy, Hospital Organization Management, Medical Marketing, Health Care Policy, Health Economics, Hospital Management Accounting, Collaboration Management on Industry-Government-Academia, Hospital Information Management A, Hospital Information Management B, Case Studies Exercise on Hospital Management A, Case Studies Exercise on Hospital Management B

[2] "Courses and Credits Required for Completion" includes Principles of Public Health Nursing, Social Security and Health Policy and Advanced Community Health Nursing. Hence the Subtotal of the "Courses Stipulated in Relevant Regulations" makes 25 credits after the 6 credits for the above three courses are subtracted from the sum credits of the "Courses Stipulated in Relevant Regulations". The number in the parentheses in the Subtotal row figures the sum credits.

[1] Nursing Ethics, Hospital Financial Accounting, Hospital Management Strategy, Hospital Organization Management, Medical Marketing, Health Care Policy, Health Economics, Hospital Management Accounting, Collaboration Management on Industry-Government-Academia, Hospital Information Management A, Hospital Information Management B, Case Studies Exercise on Hospital Management A, Case Studies Exercise on Hospital Management B

[2] "Courses and Credits Required for Completion" includes Advanced Women's Health, Advanced Reproductive Health and Advanced Midwifery on Maternal and Child for Global Health. Hence the Subtotal of the "Courses Stipulated in Relevant Regulations" makes 25 credits after the 6 credits for the above three courses are subtracted from the sum credits of the "Courses Stipulated in Relevant Regulations". The number in the parentheses in the Subtotal row figures the sum credits.

[Prerequisite course completion for Clinical Nurse Specialist Examination]

Courses and Credits Required for Completion and Enrollment Instructions			
Master's Degree Program in Nursing Courses to complete before Clinical Nurse Specialist Examination Major Field of Study – Advanced Practice Nursing			Credits
Common Foundation Courses	Required		1
	Select one of the following: Health Care Ethics or Nursing Ethics		1 or more
	Select one of the following: Experimental Methodology, Case Study Methods in Health Sciences, Methods of Qualitative Research, Research Strategies in Health Sciences or Methodology in Nursing Research		2
	2 Common Foundation Courses other than the above		4
	Subtotal		8
Oncology Nursing I&II			4
Advanced Seminar on Oncology Nursing I&II			4
Seminar on Oncology Nursing I&II			4
Supervised Individual Study in Nursing Practice			8
Courses Stipulated by JANPU (Japan Association of Nursing Programs in Universities)	11 out of the following 12 courses under the "Major Field of Study - Advanced Practice Nursing" are required.		
	Issues and Concepts in Nursing Education	Select 3 out of 4 courses incl. these 3 courses and "Nursing Ethics" under the Common Foundation Courses	2
	Issues and Concepts in Nursing Administration		2
	Advanced Lecture on Consultation		2
	Advanced Lecture on Physical Assessment		2
	Advanced Lecture on Pathophysiology		2
	Advanced Lecture on Clinical Pharmacology		2
	Advanced Clinical Oncology		2
	Advanced Nursing Practice I		2
	Advanced Nursing Practice II		3
	Advanced Nursing Practice III		3
	Advanced Nursing Practice IV		2
	Subtotal		24
Total			52
Total Minimum Credits Required for the Clinical Nurse Specialist Examination			38

Graduate School of Health Sciences Master's Degree Program Courses and Teaching Staff in Charge

As of April 1, 2025

Degree Program	Major Field of Study	Course	Teaching Staff in Charge	Credit	When Course is Offered (Year & Semester)
Common Foundation Courses		Risk Management	OGASAWARA Katsuhiko	1	Year1&2 Sem1
		Health Care Ethics	IWAMOTO Mikiko	1	Year1&2 Sem1
		Nursing Ethics	IWAMOTO Mikiko, SUMI Naomi	2	Year1&2 Sem1
		Experimental Methodology	IKEDA Atsuko, YOKOSAWA Koichi, ISHIZU Akihiro, MAEJIMA Hiroshi, CHIKENJI Takako, MIYAZAKI Taisuke, YAMAGUCHI Hiroyuki, SAKURAI Toshihiro, MATSUYA Yusuke, RAHEL MESFIN KETEMA, FUKUNAGA Hisanori, Bomme GOWDA	2	Year1 Full year
		Case Study Methods in Health Sciences	EBINA Yasuhiko, SAWAMURA Daisuke	2	Year1 Full year
		Methods of Qualitative Research	TBA	2	Year1 Full year
		Research Strategies in Health Sciences	YAMAUCHI Taro, SATOH Miho, TAKASHIMA Risa	2	Year1 Full year
		Methodology in Nursing Research	SUMI Naomi, ITOH Yoichi, YANO Rika, AOYAGI Michiko	2	Year1 Full year
		Statistical Practice for Healthcare Research	YOKOTA Isao	2	Year1&2 Sem1
		Advanced Laboratory Medicine	YAMAGUCHI Hiroyuki, Shu-Ping HUI, OKUBO Torahiko, SHIMIZU Chikara, ITOH Takuya, TAMURA Shogo	2	Year1&2 Sem1
		Oncology and Regenerative Medicine	TBA	2	Year1&2 Sem1
		Functional Anatomy	MIYAZAKI Taisuke	2	Year1 Sem2
		Health Sciences	YAMAUCHI Taro, YOKOSAWA Koichi, OGASAWARA Katsuhiko, OTSUKI Mika, IKEDA Atsuko, YOSGIMURA Takaaki	2	Year1&2 Sem1
		Sports and Physical Fitness Science	SAMUKAWA Mina, TAKIZAWA Kazuki	2	Year1&2 Sem1
		Physiological Functions of Foods	TBA	2	Year1&2 Sem1
		Nutraceutical Pharmacodynamics	TBA	2	Year1&2 Sem1
		Team Approach to Health Care	TBA	2	Year1&2 Sem1
Master's Degree Program in Health Sciences	Biomedical Science and Engineering	Advanced Lecture on Medical Physics and Biomedical Engineering	TBA	2	Year1&2 Sem1
		Quantum Life Medical Science	FUKUNAGA Hisanori	2	Year1&2 Sem1
		Seminar on Quantum Life Medical Science	FUKUNAGA Hisanori	2	Year1 Sem2
		Advanced Lecture on Diagnostic Imaging	KAMISHIMA Tamotsu	2	Year1&2 Sem1
		Seminar on Diagnostic Imaging	KAMISHIMA Tamotsu	2	Year1 Sem2
		Clinical Imaging Technology	SUGIMORI Hiroyuki	2	Year1&2 Sem1
		Seminar on Clinical Imaging Technology	SUGIMORI Hiroyuki	2	Year1 Sem2
	Medical Laboratory Science	Comprehensive Assessment of Cardiovascular Function	KAGA Sanae	2	Year1 Sem1
		Seminar on Comprehensive Assessment of Cardiovascular Function	KAGA Sanae	2	Year1 Sem2
		Blood Regulation and Regeneration	TAMURA Shogo	2	Year1&2 Sem1
		Seminar on Blood Regulation and Regeneration	TAMURA Shogo	2	Year1 Sem2
		Analytical Chemistry for Metabolic Research	Shu-Ping HUI, Bomme GOWDA, Hsinjung HO, DIVYAVANI, CHEN YI FAN, SAKURAI Toshihiro, DIBWE D.F.	2	Year1&2 Sem1
		Seminar on Analytical Chemistry for Metabolic Research	Shu-Ping HUI, Bomme GOWDA, Hsinjung HO, DIVYAVANI, CHEN YI FAN, SAKURAI Toshihiro, DIBWE D.F.	2	Year1 Sem2
		Advanced Lecture on Infection and Stress Response	YAMAGUCHI Hiroyuki, TBA	2	Year1&2 Sem1
		Seminar on Infection and Stress Response	YAMAGUCHI Hiroyuki, TBA	2	Year1 Sem2
		Immunopathogenesis	ISHIZU Akihiro, MASUDA Sakiko, NISHIBATA Yuka	2	Year1&2 Sem1
		Seminar on Immunopathogenesis	ISHIZU Akihiro, MASUDA Sakiko, NISHIBATA Yuka	2	Year1 Sem2

Degree Program	Major Field of Study	Course	Teaching Staff in Charge	Credit	When Course is Offered (Year & Semester)
Master's Degree Program in Health Sciences	Rehabilitation Science	Motor Control	HASEGAWA Naoya, MAEJIMA Hiroshi, OKA Yuichiro, SAWAMURA Daisuke	2	Year1&2 Sem1
		Seminar on Motor Control	HASEGAWA Naoya, MAEJIMA Hiroshi, ISHIDA Tomoya	2	Year1 Sem2
		Management of Musculoskeletal System Disorders	TOHYAMA Harukazu, SAMUKAWA Mina, ISHIDA Tomoya, KASAHARA Satoshi, KOSHINO Yuta	2	Year1&2 Sem1
		Seminar on Management of Musculoskeletal System Disorders	TOHYAMA Harukazu, SAMUKAWA Mina, ISHIDA Tomoya, KASAHARA Satoshi, KOSHINO Yuta	2	Year1 Sem2
		Clinical Cognitive Neuroscience	SAWAMURA Daisuke, YOSHIDA Kazuki	2	Year1&2 Sem1
		Seminar on Clinical Cognitive Neuroscience	SAWAMURA Daisuke, YOSHIDA Kazuki	2	Year1 Sem2
		Biomedical System Control Science	CHIKENJI Takako, TAKASHIMA Risa, MIYAJIMA Maki	2	Year1&2 Sem1
		Biomedical System Control Science Seminar	CHIKENJI Takako, TAKASHIMA Risa, MIYAJIMA Maki	2	Year1 Sem2
		Rehabilitation for Patients with Mental Disorders	TBA	2	Year1&2 Sem1
		Seminar on Rehabilitation for Patients with Mental Disorders	TBA	2	Year1 Sem2
		Fundamental Research for Functional Biology	SAWAMURA Daisuke, MIYAZAKI Taisuke, YOSHIDA Kazuki, TAKASHIMA Risa	2	Year1&2 Sem1
		Seminar on Fundamental Research for Functional Biology	SAWAMURA Daisuke, MIYAZAKI Taisuke, YOSHIDA Kazuki, TAKASHIMA Risa	2	Year1 Sem2
		Advanced Sports Physical Therapy	SAMUKAWA Mina, ISHIDA Tomoya, KOSHINO Yuta	2	Year1&2 Sem1
		Sports Physical Therapy Seminar	SAMUKAWA Mina, ISHIDA Tomoya, KOSHINO Yuta	2	Year1 Sem2
	Health Research Studies	Environmental Health Sciences	IKEDA Atsuko, RAHEL MESFIN KETEMA	2	Year1&2 Sem1
		Exercise on Environmental Health Sciences	IKEDA Atsuko, RAHEL MESFIN KETEMA	2	Year1 Sem2
		Human Ecology	YAMAUCHI Taro	2	Year1&2 Sem1
		Seminar on Human Ecology	YAMAUCHI Taro	2	Year1 Sem2
		Advanced Metrology of Functional Information	YOKOSAWA Koichi	2	Year1&2 Sem1
		Seminar on Metrology of Functional Information	YOKOSAWA Koichi	2	Year1 Sem2
		Health Information Science	OGASAWARA Katsuhiko	2	Year1&2 Sem1
		Seminar on Health Information Science	OGASAWARA Katsuhiko	2	Year1 Sem2
		Cognitive Neurology	OTSUKI Mika	2	Year1&2 Sem1
		Seminar on Cognitive Neurology	OTSUKI Mika	2	Year1 Sem2
	Supervised Individual Study in Health Sciences		KAMISHIMA Tamotsu, YAMAGUCHI Hiroyuki, Shu-Ping HUI, ISHIZU Akihiro, TOHYAMA Harukazu, MAEJIMA Hiroshi, CHIKENJI Takako, SAWAMURA Daisuke, YOKOSAWA Koichi, OGASAWARA Katsuhiko, YAMAUCHI Taro, IKEDA Atsuko, SUGIMORI Hiroyuki, TAKASHIMA Hiroyuki, FUKUNAGA Hisanori, KAGA Sanae, SAKURAI Toshihiro, TAMURA Shogo, SAMUKAWA Mina, MIYAZAKI Taisuke, HASEGAWA Naoya, Bomme GOWDA, OTSUKI Mika, MATSUYA Yusuke, OKUBO Torahiko, MASUDA Sakiko, YOSHIDA Kazuki, TAKASHIMA Risa, MIYAJIMA Maki, ISHIDA Tomoya, Hsinjung HO, TSUTSUMI Kaori, NISHIBATA Yuka, MURAYAMA Michito, KASAHARA Satoshi, KOSHINO Yuta, YOSHIMURA Takaaki, DIVYAVANI, DIBWE D.F.	10	Year1&2 Full Years

Degree Program	Major Field of Study	Course	Teaching Staff in Charge	Credit	When Course is Offered (Year & Semester)
Master's Degree Program in Nursing	Nursing Science	Issues and Concepts in Nursing Administration	IWAMOTO Mikiko, TANAKA Izumi	2	Year1&2 Sem1
		Seminar on Nursing Administration	IWAMOTO Mikiko	2	Year1 Sem2
		Clinical Nursing Skills	YANO Rika	2	Year1&2 Sem1
		Seminar on Clinical Nursing Skills	YANO Rika, SHISHIDO Inaho, DETSUKA Nozomi	2	Year1 Sem2
		Primary Care Nursing and Health System Management	SUMI Naomi, SATOH Miho	2	Year1&2 Sem1
		Seminar on Primary Care Nursing and Health System Management	SUMI Naomi, SATOH Miho, YOSHIMURA Mai	2	Year1 Sem2
		Oncology Nursing	SUMI Naomi, NOJI Takehiro	2	Year1&2 Sem1
		Seminar on Oncology Nursing	SUMI Naomi, NOJI Takehiro, YOSHIMURA Mai	2	Year1 Sem2
		Advanced Community Health Nursing	TADAKA Etsuko	2	Year1&2 Sem1
		Seminar on Community Health Nursing	TADAKA Etsuko, IWATA Yuka, KOBAYASHI Kisaki, TANAKA Yuko, YOKOYAMA Ayuka	2	Year1 Sem2
		Issues and Concepts in Nursing Education	YANO Rika	2	Year1&2 Sem1
		Seminar on Nursing Education	YANO Rika, SHISHIDO Inaho, DETSUKA Nozomi	2	Year1 Sem2
		Gerontological Nursing	TBA	2	Year1&2 Sem1
		Seminar on Gerontological Nursing	TBA	2	Year1 Sem2
		Cognitive Nursing Science	OTSUKI Mika, TBA	2	Year1&2 Sem1
		Seminar on Cognitive Nursing Science	OTSUKI Mika, TBA	2	Year1 Sem2
		Psychiatric, Neuroscientific and Mental Health Nursing	MIYAJIMA Naoko	2	Year1&2 Sem1
		Seminar on Psychiatric, Neuroscientific and Mental Health Nursing	MIYAJIMA Naoko	2	Year1 Sem2
		Advanced maternal and child nursing for global health	KONDO Yoshiko, NOGUCHI Makiko, EBINA Yasuhiko	2	Year1&2 Sem1
		Seminar on maternal and child nursing for global health	KONDO Yoshiko, NOGUCHI Makiko, FUJITA Wakako, EBINA Yasuhiko	2	Year1 Sem2
		Maternal and Child Nursing Science	MATSUZAWA Akemi, EBINA Yasuhiko, KONDO Yoshiko	2	Year1&2 Sem1
		Seminar on Maternal and Child Nursing Science	MATSUZAWA Akemi, EBINA Yasuhiko, KONDO Yoshiko	2	Year1 Sem2
		Preventive Nursing	IKEDA Atsuko	2	Year1&2 Sem1
		Seminar on Preventive Nursing	IKEDA Atsuko	2	Year1 Sem2
		Global Health Nursing	YAMAUCHI Taro	2	Year1&2 Sem1
		Seminar on Global Health Nursing	YAMAUCHI Taro	2	Year1 Sem2
		Advanced Nursing Informatics	OGASAWARA Katsuhiko	2	Year1&2 Sem1
		Seminar on Nursing Informatics	OGASAWARA Katsuhiko	2	Year1 Sem2
	Advanced Public Health Nursing	Advanced Public Health Nursing	TADAKA Etsuko	2	Year1 Sem1
		Seminar on Public Health Nursing	TADAKA Etsuko, IWATA Yuka, KOBAYASHI Kisaki, TANAKA Yuko, YOKOYAMA Ayuka	2	Year1 Sem2
		Review of Public Health Nursing	TADAKA Etsuko, IWATA Yuka, KOBAYASHI Kisaki, TANAKA Yuko, YOKOYAMA Ayuka	6	Year1 Sem2, Year2 Sem1
		Principles of Public Health Nursing	TADAKA Etsuko, TBA	2	Year1 Sem1
		Public Health Nursing Part I	TADAKA Etsuko	2	Year1 Full year
		Public Health Nursing Part II	TADAKA Etsuko	2	Year1 Full year
		Public Health Nursing Part III	TADAKA Etsuko, IGARASHI Chiyo	1	Year1 Full Year
		Health Risk Management	TADAKA Etsuko	2	Year1 Full year
		Health and Welfare Administration	TADAKA Etsuko, MAKI Yasuhiro, TBA	2	Year1 Full Year
		Public Health Nursing Field Practicum Simulation I	TADAKA Etsuko, IWATA Yuka, TANAKA Yuko, YOKOYAMA Ayuka	2	Year1 Full year
		Public Health Nursing Field Practicum Simulation II	TADAKA Etsuko, IWATA Yuka, YOKOYAMA Ayuka, TANAKA Yuko,	2	Year1 Full year
		Public Health Nursing Field Practicum Simulation III	TADAKA Etsuko, IWATA Yuka, TANAKA Yuko, YOKOYAMA Ayuka	1	Year1 Full year
		Public Health Nursing Management	TADAKA Etsuko, TBA	2	Year2 Sem1
		Social Epidemiology	TADAKA Etsuko, IWATA Yuka, KOBAYASHI Kisaki, TANAKA Yuko, YOKOYAMA Ayuka, TBA	2	Year1 Full year
		Social Security and Health Policy	TADAKA Etsuko, TANAKA Kenichi, TBA	2	Year2 Sem1
		Public Health Nursing Practice I	TADAKA Etsuko, IWATA Yuka, TANAKA Yuko, YOKOYAMA Ayuka	2	Year1 Full year
		Public Health Nursing Practice II	TADAKA Etsuko, IWATA Yuka, YOKOYAMA Ayuka, TANAKA Yuko,	2	Year1 Full year
		Public Health Nursing Practice III	TADAKA Etsuko, IWATA Yuka, TANAKA Yuko, YOKOYAMA Ayuka	1	Year1 Full year

Degree Program	Major Field of Study	Course	Teaching Staff in Charge	Credit	When Course is Offered (Year & Semester)
Master's Degree Program in Nursing	Advanced Midwifery	Advanced Midwifery	KONDO Yoshiko	2	Year1 Sem1
		Seminar on Advanced Midwifery	KONDO Yoshiko	2	Year1 Sem2
		Seminar on Clinical Practice in Midwifery	EBINA Yasuhiko, KONDO Yoshiko	6	Year1 Sem2, Year2 Sem1
		Advanced Women's Health	EBINA Yasuhiko	2	Year1 Sem1
		Advanced Reproductive Health	KONDO Yoshiko	2	Year1 Sem1
		Advanced Midwifery in Human Relationship	KONDO Yoshiko, MIYAJIMA Naoko, KAWASHIMA Ai	2	Year1 Sem2
		Advanced Diagnostic Methodology and Applied Technology in Midwifery	EBINA Yasuhiko	4	Year1 Sem1
		Seminar on Diagnostic Methodology and Applied Technology in Midwifery I	KONDO Yoshiko, IKEDA Atsuko, KAWASHIMA Ai	2	Year1 Sem1
		Seminar on Diagnostic Methodology and Applied Technology in Midwifery II	KONDO Yoshiko, KAWASHIMA Ai	2	Year1 Sem1
		Advanced Child Health Care	KONDO Yoshiko, KANESHI Yosuke, KURODA Noriko, MATSUZAWA Akemi, KAWASHIMA Ai	2	Year1 Sem2
		Advanced Midwifery on Maternal and Child for Global Health	KONDO Yoshiko, ISHIBASHI Noriko, TADAKA Etsuko, MATSUZAWA Akemi, MIYAJIMA Maki, KAWASHIMA Ai	2	Year2 Sem1
		Midwifery Management	KONDO Yoshiko	2	Year1 Sem2
		Clinical Midwifery Practice I	KONDO Yoshiko, KAWASHIMA Ai	7	Year1 Sem2
		Clinical Midwifery Practice II	KONDO Yoshiko, KAWASHIMA Ai	2	Year2 Sem1
		Clinical Midwifery Practice III	KONDO Yoshiko, KAWASHIMA Ai	2	Year2 Sem1
	Advanced Practice Nursing	Oncology Nursing I	SUMI Naomi	2	Year1 Sem1
		Oncology Nursing II	SUMI Naomi, HIRAYAMA Saori, BUKAWA Reiko	2	Year1 Sem1
		Advanced Seminar on Oncology Nursing I	SUMI Naomi, TSURUGA Kenkichi, TAMAKI Tomohiro, UEMURA Keiichi, ONO Satoko	2	Year1 Sem2
		Advanced Seminar on Oncology Nursing II	SUMI Naomi, NISHIDA Mari, BUKAWA Reiko, ONO Satoko	2	Year1 Sem2
		Seminar on Oncology Nursing I	SUMI Naomi, UTSUMI Akemi, MAENO Hiroshi, TAMAKI Tomohiro, TSURUGA Kenkichi	2	Year1 Sem2
		Seminar on Oncology Nursing II	SUMI Naomi, HIRAYAMA Saori	2	Year1 Sem2
		Advanced Lecture on Physical Assessment	IWAMOTO Mikiko , NOJI Takehiro, SUMI Naomi	2	Year1 Sem1
		Advanced Lecture on Pathophysiology	NOJI Takehiro, OTSUKI Mika, SUMI Naomi, EBINA Yasuhiko	2	Year1 Sem1
		Advanced Lecture on Clinical Pharmacology	NOJI Takehiro, SUMI Naomi	2	Year1 Sem1
		Advanced Lecture on Consultation	SUMI Naomi, HIRAYAMA Saori, YAGI Kozue, ISHIOKA Akiko, BUKAWA Reiko	2	Year1 Sem1
		Advanced Clinical Oncology	NOJI Takehiro, HIRANO Satoshi, TESHIMA Takanori, KINOSHITA Ichiro, UEMURA Keiichi, SUMI Naomi	2	Year1 Sem1
		Advanced Nursing Practice I	SUMI Naomi	2	Year1 Sem2
		Advanced Nursing Practice II	SUMI Naomi	3	Year2 Sem1
		Advanced Nursing Practice III	SUMI Naomi	3	Year2 Sem1
		Advanced Nursing Practice IV	SUMI Naomi	2	Year2 Sem1
		Supervised Individual Study in Nursing Science	YANO Rika, SUMI Naomi, NOJI Takehiro, EBINA Yasuhiko, TADAKA Etsuko, OGASAWARA Katsuhiko, YAMAUCHI Taro, IKEDA Atsuko, MIYAJIMA Naoko, OTSUKI Mika, IWAMOTO Mikiko, SATOH Miho, KONDO Yoshiko, MATSUZAWA Akemi, COLLEY Noriyo	10	Year1&2 Full Years
		Supervised Individual Study in Nursing Practice	YANO Rika, SUMI Naomi, NOJI Takehiro, EBINA Yasuhiko, TADAKA Etsuko, MIYAJIMA Naoko, IWAMOTO Mikiko, SATOH Miho, KONDO Yoshiko, MATSUZAWA Akemi, COLLEY Noriyo	8	Year2 Full Year

Note: Course names and teaching staff members are subject to change.

Graduate School of Health Sciences Division of Health Sciences
Master's Program Supervising Faculty

As of April 1, 2025

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Master's Degree Program in Health Sciences	Biomedical Science & Engineering	Professor Tamotsu Kamishima ktamotamo2@hs.hokudai.ac.jp	1) Research on automatic detection of joint space narrowing using radiography 2) Research on quantitative evaluation of inflammatory joint disease activity using ultrasound and MR images 3) Research on the quantification of osteoporosis
		Associate Professor Hiroyuki Sugimori sugimori@hs.hokudai.ac.jp	1) Development of deep learning–based diagnostic assistance programs 2) Development of quantitative image processing algorithms for medical images 3) Medical image analysis with computer vision and programming
		Associate Professor Hiroyuki Takashima hirotakashima@pop.med.hokudai.ac.jp	1) Quantitative image analysis for various disorders 2) Study for metabolism of muscle and bone with aging and inflammation 3) Development of image analysis for musculoskeletal disorders
		Associate Professor Hisanori Fukunaga hisanori.fukunaga@hs.hokudai.ac.jp	1) Tissue-sparing response in spatially fractionated radiation fields and its application for radiation therapy 2) Radiation-induced impacts on mitochondrial DNA
	Medical Laboratory Science	Professor Hiroyuki Yamaguchi hiroyuki@med.hokudai.ac.jp	1) Exploration of the intracellular adaptation mechanisms of human pathogenic bacteria (mainly Chlamydia) and elucidation of their molecular basis. 2) Investigation of novel human cellular response mechanisms to accommodate pathogenic bacteria, unraveled through interactions between unculturable symbiotic bacteria and protozoa. 3) Elucidation and application of survival mechanisms of human pathogenic bacteria on high-frequency contact surfaces: Development of control methods mediated by environmental factors (such as temperature and humidity).
		Professor Akihiro Ishizu aishizu@med.hokudai.ac.jp	1) Pathology and pathogenesis of vasculitis 2) Biophylaxis and its disorders 3) Analysis of pathogenic autoantibodies
		Professor Shu-Ping Hui keino@hs.hokudai.ac.jp	1) Research on plasma lipoproteins and bioactive lipids 2) Research on dyslipidemia such as ectopic lipid storage disease 3) Research on oxidative stress response and regulation of mitochondrial function 4) Research and development of functional foods and elucidation of mechanism of action
		Associate Professor Sanae Kaga sanae@med.hokudai.ac.jp	1) Assessment of cardiovascular diseases using ultrasonography 2) Assessment of age-related changes in cardiac shape and function 3) Study of method for standardization and accuracy control of ultrasonographic examination
		Associate Professor Toshihiro Sakurai sakura@hs.hokudai.ac.jp	1) Plasma lipid and lipoprotein metabolism 2) Development of clinical examination and analytical methods 3) Functional food chemistry for health
		Associate Professor Shogo Tamura stamura@hs.hokudai.ac.jp	1) Elucidation of the bone marrow hematopoietic microenvironment 2) Development of bone marrow organoids 3) Molecular pathophysiology of congenital blood coagulation disorders

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Master's Degree Program in Health Sciences	Rehabilitation	Professor Harukazu Tohyama tohyama@med.hokudai.ac.jp	1) Rehabilitation for musculoskeletal disorders 2) Athletic rehabilitation 3) Biology and biomechanics for tendon and ligament
		Professor Hiroshi Maejima maeji@hs.hokudai.ac.jp	1) Synaptic modification induced by exercise and motor learning 2) Neuromodulation for kinesiotherapy in disorder of the central nervous system 3) Health promotion and prevention of degenerative change in the elderly.
		Professor Takako Chikenji chikenji@pop.med.hokudai.ac.jp	1) Cell senescence in regeneration and inflammatory disease 2) Mesenchymal progenitors/stromal cells in inflammatory disease
		Professor Daisuke Sawamura D.sawamura@pop.med.hokudai.ac.jp	1) Neurorehabilitation for patients with cognitive impairment 2) Structural and functional neuroimaging studies to elucidate the mechanism of cognition 3) Development of assessment and intervention through biomedical engineering collaboration
		Professor Mina Samukawa mina@hs.hokudai.ac.jp	1) Mechanism and prevention of sports injuries 2) Physiological effects and performance enhancement with exercises 3) Health promotion with industry-government-academia collaboration
		Associate Professor Taisuke Miyazaki miyazaki@med.hokudai.ac.jp	1) Molecular mechanism of neurotransmitter-specific contact between pre- and postsynapse 2) Molecular mechanism of excitatory and inhibitory network formation in the cerebellum 3) Zone-specific neuronal circuit in the cerebellar cortex
		Associate Professor Naoya Hasegawa n_hasegawa@hs.hokudai.ac.jp	1) Rehabilitation for movement disorders 2) Motor learning on postural control and Effects of sensory biofeedback training 3) Mechanism and Quantitative assessment of postural Control

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Master's Degree Program in Health Sciences	Health Research Studies	Professor Koichi Yokosawa yokosawa@med.hokudai.ac.jp	1) Non-invasive measurements and imaging of human brain functions (e.g., communication, memory, music perception) 2) Research on evaluating endogenous brain functions (emotion, impulsivity, or stress) by electrophysiological measurements 3) Bio-medical engineering to decode higher order brain functions
		Professor Katsuhiko Ogasawara oga@hs.hokudai.ac.jp	1) Health Service research and Social health informatics 2) Health economics and health policy research 3) Health technology assessment 4) Disaster medical informatics
		Professor Taro Yamauchi taroy@med.hokudai.ac.jp	∗ Contribute to health and wellbeing of people, society, and planet through field research 1) Transdisciplinary Research: Participatory Action Research (PAR) with local children and stakeholders 2) Water, Sanitation & Hygiene (WASH), Menstrual Health & Hygiene (MHH) 3) Global Health, Planetary Health, Indigenous Health
		Professor Atsuko Ikeda atsuko_ikeda@hs.hokudai.ac.jp	1) Epidemiological studies on Environmental Chemical Exposures and their effect on adverse health outcomes. 2) Birth cohort studies on environment and children's health 3) Indoor air quality and inhabitants' health
		Professor Shu-Ping Hui keino@hs.hokudai.ac.jp	1) Research on plasma lipoproteins and bioactive lipids 2) Research on dyslipidemia such as ectopic lipid storage disease 3) Research on oxidative stress response and regulation of mitochondrial function 4) Research and development of functional foods and elucidation of mechanism of action
		Associate Professor Mika Otsuki lasteroideb612@pop.med.hokudai.ac.jp	1) Clinical neuropsychology/ cognitive neurology (researching on mechanism of aphasia, agnosia, apraxia and memory impairment.) 2) Neuroimaging studies using fMRI or ECDL. 3) Interdisciplinary study of language.
		Associate Professor Bomme Gowda Siddabasave Gowda gowda@gfr.hokudai.ac.jp	1) Lipid profiling for disease biomarker discovery using advanced LC-MS 2) Synthesis and functional studies of bioactive lipids [ex: FAHFAs, oxylipins, S1P] 3) Food composition analysis and their constituents, screening for inhibition of lipid metabolism disorders [ex: obesity]

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Master's Degree Program in Nursing	Nursing Science	Professor Yasuhiko Ebina ebiyas@hs.hokudai.ac.jp	1) Enhancing women's wellness through a holistic approach 2) Supporting mothers and children through the biopsychosocial network 3) Psychological empowerment in women's cancer prevention strategies
		Professor Etsuko Tadaka e_tadaka@pop.med.hokudai.ac.jp	1) The generation of evidence and development of preventive approaches related to health/longevity 2) The development of new theories, techniques, indicators, and manufacturing in community care systems/programs 3) Empirical research on the prevention of social isolation and loneliness and community development 4) The setting and solving agenda related to public and community nursing in the next society
		Professor Rika Yano r-yano@med.hokudai.ac.jp	1) Development of Nursing Care Outcome Model 2) Visualization of Nursing Arts by Expert Nurses 3) Study on Educational Strategies for Developing Nursing Skills
		Professor Naomi Sumi nsumi@hs.hokudai.ac.jp	1) Standardization and development of programs for discharge planning and community medical cooperation 2) Research of care system and care management for cancer patients and their families 3) Development and evaluation of advance practice of clinical nursing specialists and education in CNS course
		Professor Katsuhiko Ogasawara oga@hs.hokudai.ac.jp	1) Nursing informatics: ontology and knowledge system 2) Tele-healthcare system and social health informatics 3) Nursing economics and medical technology assessment
		Professor Taro Yamauchi taroy@med.hokudai.ac.jp	∗ Contribute to health and wellbeing of people, society, and planet through field research 1) Transdisciplinary Research: Participatory Action Research (PAR) with local children and stakeholders 2) Water, Sanitation & Hygiene (WASH), Menstrual Health & Hygiene (MHH) 3) Global Health, Planetary Health, Indigenous Health
		Professor Atsuko Ikeda atsuko_ikeda@hs.hokudai.ac.jp	1) Epidemiological studies on Environmental Chemical Exposures and their effect on adverse health outcomes. 2) Birth cohort studies on environment and children's health 3) Indoor air quality and inhabitants' health
		Associate Professor Naoko Miyajima miyajima@hs.hokudai.ac.jp	1) Development and measurement of mental health nursing skills 2) Research on the mental health of nurses 3) A study of communication channels in nursing
		Associate Professor Mika Otsuki lasteroideb612@pop.med.hokudai.ac.jp	1) Study of cognitive function 2) Study of cognitive impairment of neurological diseases
		Associate Professor Mikiko Iwamoto miki@hs.hokudai.ac.jp	1) Development of the interprofessional ethics education program in the nursing graduate school. 2) Research of Leadership Roles and Management Functions in Nursing

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Master's Degree Program in Nursing	Nursing Science	Associate Professor Yoshiko Kondo kondo.yoshiko@hs.hokudai.ac.jp	1) Sexual and Reproductive Health 2) Women's Health 3) Midwifery 4) Ethics related to Reproductive Health, Medicine and Technology 5) Mental Health of women and family involved in Artificial Reproductive Technology
		Associate Professor Miho Sato m_sato@med.hokudai.ac.jp	For people with chronic disease/chronic health problems 1) research on psychosocial experience 2) research on QOL and self-care/self-management
		Associate Professor Akemi Matsuzawa matsuzawa@hs.hokudai.ac.jp	1) Research on the health and QOL of children with special health care needs and their families, and support for those family parenting 2) Research on the health and support of families caring for families
	Advanced Public Health Nursing	Professor Etsuko Tadaka e_tadaka@pop.med.hokudai.ac.jp	1) The generation of evidence and development of preventive approaches related to health/longevity 2) The development of new theories, techniques, indicators, and manufacturing in community care systems/programs 3) Empirical research on the prevention of social isolation and loneliness and community development 4) The setting and solving agenda related to public and community nursing in the next society
	Advanced Midwifery	Professor Yasuhiko Ebina ebiyas@hs.hokudai.ac.jp	1) Enhancing women's wellness through a holistic approach 2) Supporting mothers and children through the biopsychosocial network 3) Psychological empowerment in women's cancer prevention strategies
		Associate Professor Yoshiko Kondo kondo.yoshiko@hs.hokudai.ac.jp	1) Sexual and Reproductive Health 2) Women's Health 3) Midwifery 4) Ethics related to Reproductive Health, Medicine and Technology 5) Mental Health of women and family involved in Artificial Reproductive Technology
	Advanced Practice Nursing	Professor Naomi Sumi nsumi@hs.hokudai.ac.jp	1) Standardization and development of programs for discharge planning and community medical cooperation 2) Research of care system and care management for cancer patients and their families. 3) Development and evaluation of advance practice of clinical nursing specialists and education in CNS course

DOCTORAL DEGREE PROGRAMS

Hokkaido University Graduate School of Health Sciences Doctoral Dissertation Assessment Criteria

1. Basic Requirements for Dissertation

1) Doctoral dissertations must reflect sufficient academic values and exhibit advanced creativity to demonstrate that the authoring student meets the level of academic achievement, competence and quality stipulated in the *Hokkaido University Postgraduate Degree Programs Degree Awarding Principles* and the *Graduate School of Health Sciences Diploma Policy* to be conferred a doctoral degree.
2) Doctoral degree candidates must be the sole author of their dissertations. Any part of a submitted dissertation by a candidate must not have infringed on the originality and ideas of research papers published or research presentations made by persons other than the dissertation candidate/author.
3) Doctoral dissertations must not infringe on copyright and the right of publicity of persons other than the dissertation candidates/authors.
4) Doctoral dissertations must be written based on the research conducted while abiding by the *Code of Conduct for Scientists at Hokkaido University.*

2. Dissertation structure

The structure of the dissertation should meet the following requirements.

1) An adequate title is given to the dissertation.
2) The dissertation discusses the research background and clarifies the research purposes.
3) The dissertation describes the research methods which align with the research purposes.
4) Research results are graphically and adequately presented using such as charts, graphs and diagrams.
5) Discussion is generated in accordance with the research results.
6) The dissertation appropriately draws a conclusion which answers defined research purposes.
7) References are cited appropriately.
8) The dissertation covers all necessary stages above and has them appropriately chaptered.

3. Dissertation content

The content of the dissertation will be reviewed with the following criteria in mind. It is however up to the examination committee to decide to which criterion they give more weight.

1) The committee finds in the dissertation the academic values of international standards in the concerned discipline. Academic values mean a contribution to advancing the research and development in the concerned discipline such as discovering unknown phenomena and matters, establishing and developing new analysis methods and theories and creating new academic interpretations and concepts.
2) The dissertation employs appropriate research topics and thematic research methods grounded on previous research and exhibits advanced creativity.
3) Research data essential to the research topics and methods have been collected and processed.
4) The process of the research project is elaborated in detail.
5) The dissertation provides in-depth analyses and detailed interpretation of data in the figures and tables.
6) Coherent structure and content are given which have helped lead to compelling conclusions.

Program Structure: Courses and Credits — AY2025 Admitted Doctoral Students

Division of Health Sciences Common Courses

Major Field of Study	Course	Eligible Year of Course	Number of Course Credit: Required	Required Elective	Elective	Not Specified	Class Format: Lecture	Seminar	Experiment/practical	Remarks
Common Courses	Advanced Study of Medical Management	Year1 Sem1	2				○			
	Total available credits from 1 course	-	2	0	0	0	-			

Doctoral Degree Program in Health Sciences

Major Field of Study	Course	Eligible Year of Course	Number of Course Credit: Required	Required Elective	Elective	Not Specified	Class Format: Lecture	Seminar	Experiment/practical	Remarks
Advanced Medical Sciences	Advanced Study of Medical Imaging Science	Year1 Sem1		2			○			Complete a set of Advanced Study (2 credits or more) and Advanced Seminar (2 credits or more) under the same name (covering the same course topic) from a Major Field of Study of your choice.
	Advanced Seminar on Medical Imaging Science	Year1 Sem2		2				○		
	Advanced Study of Biomedical Science and Technology	Year1 Sem1		2			○			
	Advanced Seminar on Biomedical Science and Technology	Year1 Sem2		2				○		
	Advanced Study of Charged Particle Therapy	Year1 Sem1		2			○			
	Advanced Seminar on Charged Particle Therapy	Year1 Sem2		2				○		
	Total available credits from 6 courses	-	0	12	0	0	-			
Comprehensive Health Sciences	Advanced Study of Rehabilitation Science	Year1 Sem1		2			○			
	Advanced Seminar on Rehabilitation Science	Year1 Sem2		2				○		
	Advanced Study of Health Evaluation	Year1 Sem1		2			○			
	Advanced Seminar on Exercise on Health Evaluation	Year1 Sem2		2				○		
	Advanced Study of Health Science Management	Year1 Sem1		2			○			
	Advanced Seminar on Health Science Management	Year1 Sem2		2				○		
	Total available credits from 6 courses	-	0	12	0	0	-			
Supervised Individual Study	Health Sciences	Year1&2&3 Full Years	6					○		Complete the “Supervised Individual Research in Health Sciences” if your Doctoral Degree Program is “Health Sciences”.
	Total available credits from 1 course	-	6	0	0	0	-			

Doctoral Degree Program in Nursing

Major Field of Study	Course	Eligible Year of Course	Number of Course Credit: Required	Required Elective	Elective	Not Specified	Class Format: Lecture	Seminar	Experiment/practical	Remarks
Nursing Sciences	Advanced Study of Fundamental Nursing Science	Year1 Sem1		2			○			Complete a set of Advanced Study (2 credits or more) and Advanced Seminar (2 credits or more) under the same name (covering the same course topic).
	Advanced Seminar on Fundamental Nursing Science	Year1 Sem2		2				○		
	Advanced Study of Clinical Nursing Science	Year1 Sem1		2			○			
	Advanced Seminar on Clinical Nursing Science	Year1 Sem2		2				○		
	Advanced Study of Social Health and Nursing Science	Year1 Sem1		2			○			
	Seminar on Social Health and Nursing Science	Year1 Sem2		2				○		
	Advanced Study of Women's Health and Nursing Science	Year1 Sem1		2			○			
	Advanced Seminar on Women's Health and Nursing Science	Year1 Sem2		2				○		
	Total available credits from 8 courses	–	0	16	0	0	–			
Supervised Individual Study	Nursing Science	Year1&2&3 Full Years	6					○		Complete the “Supervised individual Research in Nursing Science” if your Doctoral Degree Program is “Nursing”.
	Total available credits from 1 course	–	6	0	0	0	–			

Name of Degree	The degree of Doctor of Health Sciences The degree of Doctor of Nursing	
Course Type, Number of Credits Required and Other Requirements for Completion		Semester and class hour duration
Pass a doctoral dissertation review and final exams conducted by the Graduate School of Health Sciences upon completion of 12 credits or more including 1 Common Course, a set of an Advanced Study (2 credits or more) and an Advanced Seminar (2 credits or more) under the same name (covering the same course topic) and 1 Supervised Individual Research course.		Number of semesters per academic year: 2 semesters Number of weeks per semester: 15 weeks Class hour duration: Lecture/seminar: 90 minutes; Experiment/practical training: 180 minutes

Graduate School of Health Sciences Doctoral Degree Program Courses and Teaching Staff in Charge

As of April 1, 2025

Degree Program	Major Field of Study	Course	Teaching Staff in Charge	Credit	When Course is Offered (Year & Semester)
Common Courses		Advanced Study of Medical Management	OGASAWARA Katsuhiko	2	Year1 Sem1
Doctoral Degree Program in Health Sciences	Advanced Medical Sciences	Advanced Study of Medical Imaging Science	KAMISHIMA Tamotsu, SUGIMORI Hiroyuki, KAGA Sanae, TAKASHIMA Hiroyuki	2	Year1 Sem1
		Advanced Seminar on Medical Imaging Science	KAMISHIMA Tamotsu, SUGIMORI Hiroyuki, KAGA Sanae, TAKASHIMA Hiroyuki	2	Year1 Sem2
		Advanced Study of Biomedical Science and Technology	ISHIZU Akihiro, KAMISHIMA Tamotsu, YAMAGUCHI Hiroyuki, Shu-Ping HUI, TAMURA Shogo, FUKUNAGA Hisanori, MATSUYA Yusuke	2	Year1 Sem1
		Advanced Seminar on Biomedical Science and Technology	ISHIZU Akihiro, KAMISHIMA Tamotsu, YAMAGUCHI Hiroyuki, Shu-Ping HUI, TAMURA Shogo, FUKUNAGA Hisanori, MATSUYA Yusuke	2	Year1 Sem2
		Advanced Study of Charged Particle Therapy	TBA	2	Year1 Sem1
		Advanced Seminar on Charged Particle Therapy	TBA	2	Year1 Sem2
	Comprehensive Health Sciences	Advanced Study of Rehabilitation Science	CHIKENJI Takako, TOHYAMA Harukazu, MAEJIMA Hiroshi, SAWAMURA Daisuke, OTSUKI Mika, SAMUKAWA Mina, MIYAZAKI Taisuke, HASEGAWA Naoya	2	Year1 Sem1
		Advanced Seminar on Rehabilitation Science	CHIKENJI Takako, TOHYAMA Harukazu, MAEJIMA Hiroshi, SAWAMURA Daisuke, OTSUKI Mika, SAMUKAWA Mina, MIYAZAKI Taisuke, HASEGAWA Naoya	2	Year1 Sem2
		Advanced Study of Health Evaluation	OGASAWARA Katsuhiko, TBA, CHIBA Hitoshi, YAMAUCHI Taro, IKEDA Atsuko	2	Year1 Sem1
		Advanced Seminar on Exercise on Health Evaluation	OGASAWARA Katsuhiko, TBA, CHIBA Hitoshi, YAMAUCHI Taro, IKEDA Atsuko	2	Year1 Sem2
		Advanced Study of Health Science Management	TBA	2	Year1 Sem1
		Advanced Seminar on Health Science Management	TBA	2	Year1 Sem2
		Supervised Individual Research in Health Sciences	KAMISHIMA Tamotsu, YAMAGUCHI Hiroyuki, Shu-Ping HUI, ISHIZU Akihiro, TOHYAMA Harukazu, MAEJIMA Hiroshi, CHIKENJI Takako, SAWAMURA Daisuke, YOKOSAWA Koichi, OGASAWARA Katsuhiko, YAMAUCHI Taro, IKEDA Atsuko, SUGIMORI Hiroyuki, TAKASHIMA Hiroyuki, FUKUNAGA Hisanori, KAGA Sanae, SAKURAI Toshihiro, TAMURA Shogo, SAMUKAWA Mina, MIYAZAKI Taisuke, HASEGAWA Naoya, Bomme GOWDA, OTSUKI Mika, MATSUYA Yusuke, OKUBO Torahiko, MASUDA Sakiko, YOSHIDA Kazuki, TAKASHIMA Risa, MIYAJIMA Maki, ISHIDA Tomoya, HO Hsinjung, TSUTSUMI Kaori, NISHIBATA Yuka, MURAYAMA Michito, KASAHARA Satoshi, KOSHINO Yuta, YOSHIMURA Takaaki, DIVYAVANI, DIBWE D.F.	6	Year1&2&3 Full Years
Doctoral Degree Program in Nursing	Nursing Sciences	Advanced Study of Fundamental Nursing Science	YANO Rika, SUMI Naomi, NOJI Takehiro, SATO Miho	2	Year1 Sem1
		Advanced Seminar on Fundamental Nursing Science	YANO Rika, SUMI Naomi, NOJI Takehiro, SATO Miho	2	Year1 Sem2
		Advanced Study of Clinical Nursing Science	MIYAJIMA Naoko, OTSUKI Mika, TBA	2	Year1 Sem1
		Advanced Seminar on Clinical Nursing Science	MIYAJIMA Naoko, OTSUKI Mika, TBA	2	Year1 Sem2
		Advanced Study of Social Health and Nursing Science	TADAKA Etsuko, EBINA Yasuhiko, OGASAWARA Katsuhiko, IKEDA Atsuko, YAMAUCHI Taro, KONDO Yoshiko, MATSUZAWA Akemi	2	Year1 Sem1
		Advanced Seminar on Social Health and Nursing Science	TADAKA Etsuko, EBINA Yasuhiko, OGASAWARA Katsuhiko, IKEDA Atsuko, YAMAUCHI Taro, KONDO Yoshiko, MATSUZAWA Akemi	2	Year1 Sem2
		Advanced Study of Women's Health and Nursing Science	EBINA Yasuhiko, KONDO Yoshiko, MATSUZAWA Akemi	2	Year1 Sem1
		Advanced Seminar on Women's Health and Nursing Science	EBINA Yasuhiko, KONDO Yoshiko, MATSUZAWA Akemi	2	Year1 Sem2
		Supervised Individual Research in Nursing Science	YANO Rika, SUMI Naomi, NOJI Takehiro, EBINA Yasuhiko, TADAKA Etsuko, OGASAWARA Katsuhiko, YAMAUCHI Taro, IKEDA Atsuko, MIYAJIMA Naoko, OTSUKI Mika, IWAMOTO Mikiko, SATO Miho, KONDO Yoshiko, MATSUZAWA Akemi, COLLEY Noriyo, TBA	6	Year1&2&3 Full Years

Note: Course names and teaching staff members are subject to change.

Graduate School of Health Sciences Division of Health Sciences
Doctoral Program Supervising Faculty

As of April 1, 2025

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Doctoral Degree Program in Health Sciences	Advanced Medical Sciences	Professor Tamotsu Kamishima Ktamotamo2@hs.hokudai.ac.jp	1) Research on automatic detection of joint space narrowing using radiography 2) Research on quantitative evaluation of inflammatory joint disease activity using ultrasound and MR images 3) Research on the quantification of osteoporosis
		Professor Hiroyuki Yamaguchi hiroyuki@med.hokudai.ac.jp	1) Persistent infection of intercellular pathogens and its molecular basis 2) Adaptive strategy of human pathogens for their surviving in natural environments 3) Analysis of symbiosis among microbes focused on an interaction of unculturable bacteria with amoebae
		Professor Akihiro Ishizu aishizu@med.hokudai.ac.jp	1) Pathology and pathogenesis of vasculitis 2) Biophylaxis and its disorders 3) Analysis of pathogenic autoantibodies
		Professor Shu-Ping Hui keino@hs.hokudai.ac.jp	1) Research on plasma lipoproteins and bioactive lipids 2) Research on dyslipidemia such as ectopic lipid storage disease 3) Research on oxidative stress response and regulation of mitochondrial function 4) Research and development of functional foods and elucidation of mechanism of action
		Associate Professor Sanae Kaga sanae@med.hokudai.ac.jp	1) Assessment of cardiovascular diseases using ultrasonography 2) Assessment of age-related changes in cardiac shape and function 3) Study of method for standardization and accuracy control of ultrasonographic examination
		Associate Professor Hiroyuki Sugimori sugimori@hs.hokudai.ac.jp	1) Development of deep learning–based diagnostic assistance programs 2) Development of quantitative image processing algorithms for medical images 3) Medical image analysis with computer vision and programming
		Associate Professor Toshihiro Sakurai sakura@hs.hokudai.ac.jp	1) Plasma lipid and lipoprotein metabolism 2) Development of clinical examination and analytical methods 3) Functional food chemistry for health
		Associate Professor Shogo Tamura stamura@hs.hokudai.ac.jp	1) Elucidation of the bone marrow hematopoietic microenvironment 2) Development of bone marrow organoids 3) Molecular pathophysiology of congenital blood coagulation disorders
		Associate Professor Hiroyuki Takashima hirotakashima@pop.med.hokudai.ac.jp	1) Quantitative image analysis for various disorders 2) Study for metabolism of muscle and bone with aging and inflammation 3) Development of image analysis for musculoskeletal disorders
		Associate Professor Hisanori Fukunaga hisanori.fukunaga@hs.hokudai.ac.jp	1) Tissue-sparing response in spatially fractionated radiation fields and its application for radiation therapy 2) Radiation-induced impacts on mitochondrial DNA

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Doctoral Degree Program in Health Sciences	Comprehensive Health Sciences	Professor Harukazu Tohyama tohyama@med.hokudai.ac.jp	1) Rehabilitation for the anterior cruciate ligament injuries 2) Biomechanics for sports injuries 3) Biology and biomechanics of tendon and ligament
		Professor Hiroshi Maejima maeji@hs.hokudai.ac.jp	1) Synaptic modification induced by exercise and motor learning. 2) Synaptic plasticity induced by neurotrophin expression. 3) Health promotion and prevention of degenerative change in the elderly.
		Professor Takako Chikenji chikenji@pop.med.hokudai.ac.jp	1) Cell senescence in regeneration and inflammatory disease 2) Mesenchymal progenitors/stromal cells in inflammatory disease
		Professor Daisuke Sawamura D.sawamura@pop.med.hokudai.ac.jp	1) Neurorehabilitation for patients with cognitive impairment 2) Structural and functional neuroimaging studies to elucidate the mechanism of cognition 3) Development of assessment and intervention through biomedical engineering collaboration
		Professor Mina Samukawa mina@hs.hokudai.ac.jp	1) Mechanism and prevention of sports injuries 2) Physiological effects and performance enhancement with exercises 3) Health promotion with industry-government-academia collaboration
		Associate Professor Taisuke Miyazaki miyazaki@med.hokudai.ac.jp	1) Molecular mechanism of neurotransmitter-specific contact between pre- and postsynapse 2) Molecular mechanism of excitatory and inhibitory network formation in the cerebellum 3) Zone-specific neuronal circuit in the cerebellar cortex
		Associate Professor Naoya Hasegawa n_hasegawa@hs.hokudai.ac.jp	1) Rehabilitation for movement disorders 2) Motor learning on postural control and Effects of sensory biofeedback training 3) Mechanism and Quantitative assessment of postural control
		Professor Koichi Yokosawa yokosawa@med.hokudai.ac.jp	1) Non-invasive measurements and imaging of human cognitive functions 2) Inter-brain interaction during communication 3) Evaluation of mental states by spatiotemporal-analyzing functional information of human brain
		Professor Katsuhiko Ogasawara oga@hs.hokudai.ac.jp	1) Health Service research and social health informatics 2) Health economics and health policy research 3) Health technology assessment 4) Disaster medical informatics
		Professor Taro Yamauchi taroy@med.hokudai.ac.jp	Contribute to health and wellbeing of people, society, and planet through field research 1) Transdisciplinary Research: Participatory Action Research (PAR) with local children and stakeholders 2) Water, Sanitation & Hygiene (WASH), Menstrual Health & Hygiene (MHH) 3) Global Health, Planetary Health, Indigenous Health
		Professor Atsuko Ikeda atsuko_ikeda@hs.hokudai.ac.jp	1) Epidemiological studies on Environmental Chemical Exposures and their effect on adverse health outcomes. 2) Birth cohort studies on environment and children's health 3) Indoor air quality and inhabitants' health

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Doctoral Degree Program in Health Sciences	Comprehensive Health Sciences	Professor Shu-Ping Hui keino@hs.hokudai.ac.jp	1) Research on plasma lipoproteins and bioactive lipids 2) Research on dyslipidemia such as ectopic lipid storage disease 3) Research on oxidative stress response and regulation of mitochondrial function 4) Research and development of functional foods and elucidation of mechanism of action
		Associate Professor Mika Otsuki lasteroideb612@pop.med.hokudai.ac.jp	1) Clinical neuropsychological study on cognitive impairment 2) Interdisciplinary research of mechanism of language 3) Study on mechanism of cognitive impairment integrating functional images and electrophysiological study
		Associate Professor Bomme Gowda Siddabasave Gowda gowda@gfr.hokudai.ac.jp	1) Lipid profiling for disease biomarker discovery using advanced LC-MS 2) Synthesis and functional studies of bioactive lipids [ex: FAHFAs, oxylipins, S1P] 3) Food composition analysis and their constituents, screening for inhibition of lipid metabolism disorders [ex: obesity]
Doctoral Degree Program in Nursing	Nursing Sciences	Professor Yasuhiko Ebina ebiyas@hs.hokudai.ac.jp	1) Enhancing women's wellness through a holistic approach 2) Supporting mothers and children through the biopsychosocial network Psychological empowerment in women's cancer prevention strategies 3) Psychological empowerment in women's cancer prevention strategies
		Professor Etsuko Tadaka e_tadaka@pop.med.hokudai.ac.jp	1) The generation of evidence and development of preventive approaches related to health/longevity 2) The development of new theories, techniques, indicators, and manufacturing in community care systems/programs 3) Empirical research on the prevention of social isolation and loneliness and community development 4) The setting and solving agenda related to public and community nursing in the next society
		Professor Rika Yano r-yano@med.hokudai.ac.jp	1) Development of Nursing Care Outcome Model 2) Visualization of Nursing Arts by Expert Nurses 3) Study on Educational Strategies for Developing Nursing Skills
		Professor Katsuhiko Ogasawara oga@hs.hokudai.ac.jp	1) Nursing informatics: ontology and knowledge system 2) Tele-healthcare system and social health informatics 3) Nursing economics and medical technology assessment
		Professor Taro Yamauchi taroy@med.hokudai.ac.jp	Contribute to health and wellbeing of people, society, and planet through field research 1) Transdisciplinary Research: Participatory Action Research (PAR) with local children and stakeholders 2) Water, Sanitation & Hygiene (WASH), Menstrual Health & Hygiene (MHH) 3) Global Health, Planetary Health, Indigenous Health
		Professor Atsuko Ikeda atsuko_ikeda@hs.hokudai.ac.jp	1) Epidemiological studies on Environmental Chemical Exposures and their effect on adverse health outcomes. 2) Birth cohort studies on environment and children's health 3) Indoor air quality and inhabitants' health
		Professor Naomi Sumi nsumi@hs.hokudai.ac.jp	1) Standardization and development of programs for discharge planning and community medical cooperation 2) Research of care system and care management for cancer patients and their families 3) Development and evaluation of advance practice of clinical nursing specialists and education in CNS course 4) Development of cancer education for students and adolescents

Degree Program	Major Field of Study (Education and Research Field)	Faculty Name and Email	Major Research Topics
Doctoral Degree Program in Nursing	Nursing Sciences	Associate Professor Naoko Miyajima miyajima@hs.hokudai.ac.jp	1) Qualitative Research on Life Episodes of mental disorder before the Onset 2) Development and measurement of mental health nursing skills
		Associate Professor Mika Otsuki lasteroideb612@pop.med.hokudai.ac.jp	1) Clinical neuropsychological study on cognitive impairment 2) Interdisciplinary research of mechanism of language 3) Study on mechanism of cognitive impairment integrating functional images and electrophysiological study
		Associate Professor Mikiko Iwamoto miki@hs.hokudai.ac.jp	1) Development of the interprofessional ethics education program in the nursing graduate school 2) Research of Leadership Roles and Management Functions in Nursing
		Associate Professor Yoshiko Kondo kondo.yoshiko@hs.hokudai.ac.jp	1) Sexual and Reproductive Health 2) Women's Health 3) Midwifery 4) Ethics related to Reproductive Health, Medicine and Technology 5) Mental Health of women and family involved in Artificial Reproductive Technology
		Associate Professor Miho Sato m_sato@med.hokudai.ac.jp	For people with chronic disease/chronic health problems 1) research on psychosocial experience 2) research on QOL and self-care/self-management
		Associate Professor Akemi Matsuzawa matsuzawa@hs.hokudai.ac.jp	1) Research on the health and QOL of children with special health care needs and their families, and support for those family parenting 2) Research on the health and support of families caring for families