

Curriculum Policy

Medical Course of the School of Medicine (Doctor of Medicine Degree)

The Medical Course of the School of Medicine at Asahikawa Medical University offers a curriculum with four types of programs and encourages their systematic completion: the Basic Liberal Arts Program for broad understanding of various value systems found in medical fields, the ICM (Introduction to Clinical Medicine) Program for the cultivation of professionalism and acquisition of introductory knowledge and skills across related fields of clinical medicine, the Basic and Clinical Medicine Programs for more advanced practical knowledge and skills. The Medical Course reorganized Compulsory Elective Course I, II, and III in the ICM Program, adjusting its curriculum to rapid progress in basic and clinical medicine.

The Medical Course designs the curriculum and makes explicit the above policy. In addition, students are expected to attain the following:

1 Attitudes—A Sense of Ethics and Professionalism

A respect for the dignity of life, understanding of medical ethics, and a positive attitude toward medical practices based on team-approach medicine

- 1 To help understand ethical principles as medical professionals, Introduction to Medical Science I – IV are included in the ICM Program for the first year for students to enhance their systematic learning.

2 Knowledge—Adequate Knowledge about Medical Science and Related Fields and the Ability for Lifelong Learning

A broad knowledge of liberal arts and basic knowledge of basic, clinical, and social medicine and understanding of the necessity of lifelong learning and its realization in order to apply this knowledge.

- 2 The classes in the Basic Liberal Arts Program, aiming to help acquire a broad knowledge on culture, society, nature, and various value systems, are optional.
- 3 For cultivation of professionalism and acquisition of introductory knowledge and skills across related fields of clinical medicine, the classes in the ICM Program are compulsory.
- 4 In order to be able to develop a self-motivated learning style and enhance active learning and a solid understanding of one's specialized field, in addition to the lecture-style and practice-style Basic Liberal Arts Program and Basic and Clinical Medicine Programs, the seminar-styled Tutorial System in Medicine I –V in the ICM Program is taken systematically beginning in the freshman year.

3 Skills—Holistic Medical Skills, Basic Consultation Skills, and Practical Clinical Skills

A deep compassion and respect for patients and their families and the ability to communicate with them. An understanding of patients that helps them maintain and enhance their health in an appropriate manner, and basic abilities to offer clinical care. The ability to plan medical treatments for acute/chronic medical problems on the basis of the principles of consultations and safe treatments.

- 5 Practice in Psychology and Communication, a subject in the Basic Medicine Program to facilitate medical communication based on psychological understanding, is offered in the freshman year.
- 6 In order to help understand medical principles of diagnoses and treatments based on major symptoms, Lectures on Clinical Symptoms and Problems in the Clinical Medicine Program and Tutorial System in Medicine III - IV in the ICM Program are linked and offered in the senior year.
- 7 In order to help acquire basic diagnostic abilities and clinical reasoning abilities necessary for bedside learning, Introduction to Clinical Clerkship in the Clinical Medicine Program and Tutorial System in Medicine V in the ICM Program that is taught in a team-based learning style are linked and offered in the senior year.
- 8 Bedside learning is offered in the fourth and fifth years by rotating all the clinical subjects, and, in the fifth and sixth years, it is offered in the form of a clinical clerkship as a required subject held on a three-week basis mainly in the basic clinical departments.

4 Thinking and Judgement – Problem-Solving Ability, Developmental Consultation Ability, and Research Ability

An understanding of the significance of research on basic, clinical, and social medicine, and to be able to apply it to actual medical settings, objectively collecting and evaluating scientific information. The ability to draw up logically and ethically valid research plans in order to spread innovative information.

- 9 The following subjects (the first four in the ICM Program and latter seven in the Basic Medicine Program) are offered systematically in the first year: Laboratory Course in Basic Biology, Laboratory Course in Basic Biochemistry, Laboratory Course in Biochemistry, and Laboratory Course in Immunology; Laboratory Course in Pathology, Laboratory Course in Physiology, Laboratory Course in Pharmacology, Laboratory Course in Microbiology, Laboratory Course in Parasitology, Practice in Hygiene and Public Health, and Laboratory Course in Forensic Medicine.
- 10 Clinical Epidemiology is included in the Clinical Medicine Program to apply information from clinical science to research, and Medical Research Special Seminar, a seminar in the ICM program, is offered in the fourth year to help enhance the abilities of medical researchers by providing activities in which students apply various types of knowledge acquired to solving real problems.

5 Willingness – Ability to Contribute to Local and International Communities

The ability to understand the necessity and methodology for the contribution to domestic and global communities through medical practice and research, and an understanding of social needs related to medical treatment.

- 11 In order to help acquire, beginning systematically in the first year, the ability to contribute to local and international communities, the following subjects are included in the ICM Program and the Clinical Medicine Program: Community Medicine: lectures about the problems of regional medicine, Early Practical Training I – II: subjects which explore medical needs in Asahikawa and its suburbs as well as regions in Hokkaido, and Medicine for People with Disabilities to learn the medical needs of vulnerable people in the local area.
- 12 In order to help learn how to contribute to the international community through medical research, Medical Research Special Seminar is offered in the fourth year.

Nursing Course of the School of Medicine (Bachelor's Degree)

The Nursing Course of the School of Medicine at Asahikawa Medical University, to meet newly-arising social needs in medical and nursing sciences such as the advent of an aging society and rapid advances in medical care, conducts basic education in nursing science to produce nursing professionals with practical nursing abilities supported by a broad knowledge of liberal arts.

The Nursing Course of the School of Medicine at Asahikawa Medical University offers a curriculum with three types of programs and encourages their systematic completion: General Basic Subjects, Basic Specialized Subjects, and Specialized Subjects (consisting of three stages: Basics of Nursing Science, Characteristics and Nursing Science, Development and Exploration of Nursing Science). This course aims to produce practical nursing individuals with a developmental and systematic education combining the teaching methods of lectures, seminars, and practical training.

The Nursing Course designs the curriculum and makes explicit the policy above, as well as requiring the following:

1 Attitudes—Fulfillment of Social Roles in Nursing Based on Ethics

An attitude rooted in human dignity and ethics focusing on nursing practices in a medical team.

- 1 In order to help understand medical ethics required for nursing professionals, Introduction to Nursing Science and Interpersonal Relationships are offered in the first year and Medical Ethics in the second year.
- 2 In order to help prepare students for nursing practice as a member of a medical team Early Practical Training I is offered in the first year as well as Early Practical Training II in the second year.

2 Knowledge—Adequate Knowledge of Nursing Science and Related Fields and the Ability for Lifelong Learning

A broad knowledge of liberal arts and knowledge of the fundamentals of nursing science and the ability to explain the necessity and methodology for lifelong learning in order to pursue the development of nursing science.

- 3 Various optional Liberal Arts classes in the category of General Basic Subjects, aim to help students acquire a broad knowledge of culture, society, nature, and various value systems.
- 4 Students are required to take classes in Basic Specialized Subjects in order to acquire fundamental knowledge for advanced fields.
- 5 The classes in Specialized Subjects are organized so students acquire general knowledge on clinical care, fundamental knowledge on nursing science and a range of subjects on the developmental features of human beings and nursing treatments.
- 6 In order to foster the basic abilities for the start of lifelong learning in nursing science, Home Nursing, Cancer Nursing, and Comprehensive Practice are offered to expand the knowledge acquired in the first year.

3 Skills—Grounded, Practical, Basic Nursing Skills

The ability to be able to conduct health assessments on the basis of patients' needs and to design grounded nursing plans.

- 7 Basic Nursing I, II, and III are offered in the first and second years so students can acquire basic nursing skills. Basic Nursing Training I is offered to encourage exploratory approaches to learning. Basic Nursing Training II is offered to develop practical nursing abilities with students learning to be in charge of patients and assist them.
- 8 The training subjects, Pediatric Nursing Science, Adult Nursing Science, Elderly Nursing Science, Maternity Nursing Science, and Mental Nursing Science are offered to teach nursing skills integrated with knowledge about nursing science that has been gained through the classes in each field in the second year and teach practical nursing abilities.
- 9 The curriculum is designed to offer sufficient nursing training so as to lead to independent nursing practice, and so students understand characteristics and health issues based on patients' needs.
- 10 Comprehensive Training, the opportunity in which students are involved in training held at night and with multiple patients, is offered in the fourth year to further improve practical nursing abilities through actual nursing experience.

4 Thinking and Judgement—Problem-Solving Ability, Developmental Thinking Ability, and Research Ability

The ability to understand the significance of nursing research, and to be able to apply it to actual medical settings, and to draw up plans on nursing practices, collecting and evaluating related scientific information.

- 11 In order to help critically consider individual and group health phenomena, Health Education, Nursing Process, and Systems of Health, Medicine, and Welfare are offered in the first, second, and third years respectively.
- 12 In order to help acquire basic abilities to apply knowledge gained throughout actual nursing settings, Nursing Research I and II and Graduation Research are offered in the third and fourth year respectively.

5 Willingness—Ability to Contribute to Local and Overseas Communities

To be able to account for the necessity and methodology for the contribution to local and overseas communities through nursing practices and research, understanding social needs related to medical treatments, health care, and welfare.

- 13 In order to explore medical needs in Hokkaido, Early Practical Training I and II are offered in the first and second years.
- 14 In order to enhance the ability to help local and overseas communities through nursing practices and research, English Reading Seminar and Administration in Health, Medicine, and Welfare, are offered in the third year and International Health and Nursing Science in the fourth year.

Curriculum Policy

The Graduate School of Medical Science (Ph.D. Degree)

The Graduate School of Medical Science at Asahikawa Medical University (Ph.D. degree) offers two courses: the Research Course, in which students aim to conduct cutting-edge research in their specialized fields, and Clinical Research Course, in which students foster their abilities to advance clinical research and tests. In both courses, professors in the same field of research provide individual guidance to students' research. Students are engaged in research activities in a liberal and academic atmosphere, producing high quality research achievements. Through participating in a series of lectures held for two years in Advanced Medical Science, Foundation of Medical Science, and Medical Thesis, students acquire the ability to carry out medical research: essential basic knowledge, broad application knowledge, and grounding in ethics. Our comprehensive education produces individuals ready to take leading roles in supporting future medical science and meeting the needs of local communities.

Although students must choose one of the two courses at first, they can switch to the other course as their research is being conducted. If found to be beneficial to their research, they can be advised by other professors at the graduate school and visit other graduate schools and research institutes, domestic or international, to deepen their research. Students can start their research activities at the graduate school in their first year of being a junior resident. By taking online lectures available on the website of the graduate school as well as taking normal offline lectures, they can complete some classes based on their research and training schedules. The graduate school makes every effort to foster students' active learning and provide a flexible curriculum.

The Graduate School of Nursing Science (Master's Degree)

The Graduate School of Nursing Science at the Medical Related Research of Asahikawa Medical University offers two courses: the Master's Thesis Course and the Advanced Practice Course. The Master's Thesis Course offers subjects to enhance the acquisition of highly advanced specialized knowledge and practical abilities in the following fields: biodefense, mental health nursing, regional health nursing, health education development, child-family nursing, maternity nursing and midwifery, elderly nursing, adult nursing, fundamental nursing, home healthcare nursing, etc. The Advanced Practice Course offers subjects that enhance the acquisition of highly professional knowledge and practical abilities required for being a certified nurse specialist in cancer nursing.

