

Course Title	Lecturer	Degree Program	Semester	General Objectives of the Course
INTRODUCTION TO CLINICAL PRACTICE	OGUMA YUKO MONKAWA TOSHIKI AZUMA KOICHIRO FUKUI SYOGO SUGIMOTO YUKI KOBAYASHI HITOSHI IWATA MITSU HARU CHIBA NATSUYO	Master	Spring	This course will be offered for students without medical backgrounds. The objectives of this course are not for students to acquire detailed knowledge about each field but rather to go over representative diseases and settings which will help them to have general image of medical care, namely (1) to understand interrelations among physicians, nurses and co-medical staff in processes from diagnosis to treatments/care in clinical settings, and (2) to observe and understand the roles of some particular departments inside the hospitals.
HEALTHCARE ETHICS	UMEZU MITSUHIRO	Master	Spring	In contemporary societies with advanced medical technologies, how human lives and the way or quality of living should be from birth until death have been reconsidered. In such a circumstance, professionals involved in medical services in the broad sense, such as public health, medical and nursing care, are required to have not only advanced skills but also philosophical views and ethical standards more than ever. In this course, for medical philosophy and ethics in the 21st century, students will explore Bio-Medical Ethics of the new era, taking modern cases into consideration, while following the classical theories. Students will also discuss cases such as ethical conflict that they may face in real settings. In 2017, we will include public health perspectives in the cases.
PRINCIPLES OF HEALTH MANAGEMENT	MAEDA SHOICHI WATANABE MICHIKO KONDOU YOSHIE TAKEBAYASHI TORU MIYAWAKI MIHOKO YAMAUCHI KEITA OGUMA YUKO ISHIDA HIROYUKI SANO TAKEHIKO	Master	Spring	The objectives of this course are for students to clarify the interrelation among healthcare/healthcare service areas in subjects of interest in this department and to understand the direction that they should follow. In particular, students will receive lectures according to the following structure. (1) Students will deepen understandings on views and ways of thinking, which will be focused during the next two years. Firstly, in this department, highly specialized, inter-discipline fields will be covered. Therefore, it is important to adequately utilize environments with various compositions of faculties and students. Secondly, in this department, which has a feature of so called professional school, we will go over the perspectives which are likely to be overlooked because of this feature. (2) Recently, it has been required for students to have adequate ethical considerations when they conduct researches. In addition to the students who have been preparing these of course, those who are willing to become researchers or business persons in the future must understand the ethical considerations as well. Therefore, as a part of so called basic research education, 5 lectures from the Lecture 10 through Lecture 14 will be about this topic.
AGING SOCIETY	SEIKE ATSUSHI KOMAMURA KOUHEI SODEKAWA YOSHIYUKI	Master	Spring	In aging societies, it has been required to provide adequate healthcare including medical, nursing and elderly care, to create “never-retire society” where they can utilize occupational abilities that they have accumulated, and to design a society where they can easily appreciate the longer leisure time for sports and recreations. Hence, it is important for them to improve their lifestyles and start sport activities when they are still young in order to slow down decline of physical functions in the future as much as possible and to prepare for lives after retirement so that they can appreciate leisure time with sports and hobbies. In this course, students will discuss these issues and conceive the ground designs.
STRATEGIC MANAGEMENT IN SPORTS AND HEALTH	YAMAMOTO SHINJI KANEMOTO TKA AKI TANIYAMA KOSUKE	Master	Spring	It is necessary to reinforce business functions in addition to the pursuit of sport skills/results, in order to establish healthy, growing and long-lasting sport organizations. In this course, students will learn about frameworks of sport organization management based on the principles of “an organization will follow a strategy” from the aspects of being successful in both sports and business. The objectives of this course through lectures and workshops are for students to learn about establishment of organizational visions and missions, improvement in the satisfaction level of the persons concerned, designing of management strategies, and establishment of methods to conduct strategies, in addition, to systematically acquire strategy analyses which are in common with corporate organizations.
FUNDAMENTALS OF EPIDEMIOLOGY	TAKEBAYASHI TORU	Master	Spring	Epidemiology is the study of the distribution and determinants of health-related states or events (including disease), and the application of this study to the control of diseases and other health problems. Various methods can be used to carry out epidemiological investigations: surveillance and descriptive studies can be used to study distribution; analytical studies are used to study determinants (WHO). It is common basis for health and clinical sciences. This class is required for MPH candidate.
HEALTH DATA SCIENCE	WATANABE MICHIKO	Master	Fall	In various fields of recent service science such as health, medical care, management, sightseeing and education, there is a need of scientific approaches to create new service values based on objective data. In this course, students will aim to acquire ideas and skills of service data science for this purpose. In particular, students will learn about methods of principal component analysis, principle component regression and preference regression analysis as analytical methods to understand substantial structures of multiple characteristics recorded in perception and sensory database in the customer-centric slogan, and further acquire how to utilize conjoint analysis as a method of hypothesis testing for new service/product projects through groupworks and trainings.
QUALITY MANAGEMENT	WATANABE MICHIKO	Master	Spring	Recently, there is a remarkable demand for quality creation and evaluation/quality assurance and risk management, while placing focus on quality, in any fields from manufacturing to human-services provisions (kotozukuri). In this field, analytical approaches in which qualitative issues are turned into quantitative problems, which can be resolved; even in ISO18404, established by International Organization for Standardization, specification of quantitative analytical approaches for quality improvement of processes is stipulated. In this course, students will aim to learn basic ideas from problem detection to quality assurance of problem-resolving cycles and processes, clarify quality specification factors in service management, and acquire statistical analysis methods (multiple regression analysis) to obtain the optimal design values, through lectures and trainings.

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HEALTH OUTCOMES EVALUATION	YAMAUCHI KEITA INOSHITA CHIIKO	Master	Fall	In this course, students will learn about methodologies to evaluate outcomes (e.g. efficacy, safety) of individual treatment skills/programs including nursing interventions, introduction of new treatments and exercise programs as well as to evaluate organizations such as hospitals, as foundations to scientifically analyze outcomes of various healthcare services and to improve those services by planning appropriate actions based on those analyses. In outcome evaluations, factors which may affect the outcomes need to be widely recognized and analyzed. Therefore, students will also learn about methodologies to investigate psychological/behavioral-scientific characteristics of service receivers and providers.
INTRODUCTORY BIOSTATISTICS1	SUGIYAMA DAISUKE TAKEUCHI AYANO	Master	Spring	Biostatistics is a subject on concepts necessary for handling quantitative data in health and medical studies as well as concrete analytical methods, and is considered as a fundamental subject, as with epidemiology, in scientific studies of health. This course has been designed for beginners to easily understand the subject. Through “Introductory Biostatistics 1” and “Introductory Biostatistics 2”, students will be able to understand concepts of data analysis using tests, estimation and models as well as to interpret analytical methods of scientific literatures, and will acquire skills to perform simple data analysis by themselves. “Introductory Biostatistics 1” will cover probability and probability distribution, statistic, standardization of rate, estimation and tests (point/intermediate estimation and basic hypothesis test), comparisons of mean values (including analysis of variance) as well as correlation and regression.
INTRODUCTORY BIOSTATISTICS 2	SUGIYAMA DAISUKE TAKEUCHI AYANO	Master	Spring	In “Introductory Biostatistics 2”, students will continue learning topics covered in “Introductory Biostatistics 1”, including categorical data analysis, logistic regression analysis and survival analysis, which are statistical methods commonly used in health/medical researches, as well as establishment of power and sample size, which are essential for designing studies.
DESIGN AND ANALYSIS OF CLINICAL TRIALS	TAKAHASHI KUNIIKO	Master	Fall	When applying drugs, etc., which have been newly developed, to actual clinical settings where evidenced-based medicine is demanded, efficacy evaluation based on a strict research design will be required. Hence, students will learn statistical and epidemiological methods, which are necessary to design, conduct, analyze and discuss the results of evaluation studies on medical technologies.
QUALITY ENGINEERING	TAKAHASHI TAKENORI	Master	Spring	The basis of management is planning (designing). Recently, “Robust Design” has been considered as an important theme. The home-based care and health promotion program, for example, are different from management at hospitals and institutions in a way that these are individual-based, highly dependent on situations and consciousness of actual users. Thus, the ratios of health services/supports and sport services/supports have become greater every year under many uncontrollable conditions. At the same time, the more the clients (patients, care-receivers, sports-club members, and consumers)’ consciousness increase, the more it is required to guarantee the quality under various uncontrollable conditions. Students will acquire through trainings and lectures new scientific approaches, which have been developed to logically guarantee the quality of care and services provided even under strictly controlled conditions.
HEALTH INFORMATION MANAGEMENT	YOSHIMURA KIMIO MIYATA HIROAKI	Master	Fall	In the society filled with information, students will select only data they need according to their objectives and learn about significance as well as methodology of controlling the range, route and safety of data distribution. This includes electric medical record, data security, data ethics, data distribution, and media literacy.
MULTIVARIATE CAUSAL ANALYSIS	WATANABE MICHIKO INUBUSHI HIDEO	Master	Fall	In case where a research hypothesis assumed based on non-experimental data such as questionnaires and observations/records is quantitatively demonstrated, multivariate causality analysis method must be used to adjust uncontrolled multiple factors with an appropriate statistical model. In such a case, there is a limitation that statistical models such as multiple regression analysis, analysis of covariance and logistic regression analysis cannot be used for inter-factor modeling. In this course, students will acquire how to utilize the latest multivariate causality analyses methods; namely, covariance structure analysis (SEM) which describes the causality model of multiple inter-factor variables, including concept (factor) variables, and the causality model of objective and factor variables using multiple structural equations, and latent class analysis, which explains high-dimensional associations of multivariate categorical data, in addition to how to use an analytical software.
INTERMEDIATE BIOSTATISTICS	SUGIYAMA DAISUKE TAKEUCHI AYANO	Master	Fall	This is a course of intermediate biostatistics, which will be offered for students who have completed “Introductory Biostatistics” 1 and 2 to conduct surveys by performing data analyses by themselves. They will learn how to use multivariate model and multivariate data, which are frequently used in medical researches, as well as linear mixed model basically in an omnibus style where one topic is covered in 2 units. The first unit will be a lecture, and the second will be a training session using an actual statistical analysis software.
STATISTICAL METHODS IN EPIDEMIOLOGY	SUGIYAMA DAISUKE TAKEUCHI AYANO	Master	Fall	This course, “Statistical Methods in Epidemiology”, will offer lectures and trainings for students interested in epidemiological studies (especially observational epidemiological studies), focusing on the following 3 topics: (1) reviewing methods to establish an appropriate model in multivariable models such as the linear regression model commonly used to adjust confounding factors in epidemiological studies, (2) use of meta-analysis which can offer the highest evidence if it is performed under appropriate methods/procedures in epidemiological studies, and (3) discussions on etiology which is essential in epidemiological studies as well as handling of missing values in epidemiological studies. Basically, lectures are scheduled in the morning, and trainings in the afternoon.
QUALITATIVE RESEARCH METHODS	SAIKI-CRAIGHILL SHIGEKO	Master	Spring	Students will understand what qualitative research is and what data collection means in qualitative research. Then they will practice data analysis and learn the basics of qualitative research methods. Although there are a number of qualitative research methods, in this course students will learn the Grounded Theory Approach since it is an appropriate method to understand phenomena, it has been established as a methodology, and uses techniques which can be applied to other qualitative research methods.
THEORETICAL ISSUES IN MATERNAL-INFANT NURSING AND MIDWIFERY	KONDOU YOSHIE TSUJI KEIKO	Master	Spring	Students will study literatures on health issues associated with reproductive health throughout women’s lives from critical point of view, and deepen knowledge on trends of researches and current situations/issues in the fields of maternal-infant nursing and midwifery. They will also acquire knowledge and abilities necessary to understand researches outcomes. In addition, students will aim to focus on research questions by comparing their own clinical questions with their findings obtained so far.

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METHODOLOGICAL ISSUES IN MATERNAL-INFANT NURSING AND MIDWIFERY 1	KONDOU YOSHIE	Master	Fall	<p>Students will learn about study methods supporting health in mothers and infants as well as their families, and sexuality and reproduction in women's life cycles in general. They will also establish supporting methods to promote development especially in high-risk mothers and children as well as their families, and will learn about methodologies to reveal effects of nursing care. They will also aim to establish research plans based on research themes. Students will be able to:</p> <ol style="list-style-type: none"> 1. Give critiques on research methods from substruction of research papers. Understand associations between concepts and operational definitions in order to measure concrete concepts. Select concrete measurement tools from operational definitions. 2. Understand basic methodologies of research designs. 3. Understand and establish basic structures of research plans.
METHODOLOGICAL ISSUES IN MATERNAL-INFANT NURSING AND MIDWIFERY 2	KONDOU YOSHIE	Master	Fall	<p>Students will learn about study methods supporting health in mothers and infants as well as their families, and sexuality and reproduction in women's life cycles in general. They will also polish up research plans based on research themes and aim to apply for research ethics reviews. Students will be able to:</p> <ol style="list-style-type: none"> 1. Give critiques on research methods from substruction of research papers. Understand associations between concepts and operational definitions in order to measure concrete concepts. Select concrete measurement tools from operational definitions. 2. Understand basic methodologies of research designs. 3. Understand and establish basic structures of research plans. 4. Present research plans effectively. 5. Apply for research ethics reviews.
SEMINAR IN MATERNAL-INFANT NURSING AND MIDWIFERY	KONDOU YOSHIE TSUJI KEIKO	Master	Spring	<p>Students will aim to develop knowledge, theories and methods acquired in "Maternal-infant Nursing and Midwifery" I and II, deepen professional understandings through critical reviews on literatures associated with research themes, establish research plans, conduct the researches, and prepare the masters' theses.</p>
PEDIATRIC NURSING	SAIKI-CRAIGHILL SHIGEKO	Master	Spring	<p>Students will learn how to use interview and observation methods to understand inductively the phenomena that develop in interactions between children and others.</p>
METHODOLOGICAL ISSUES IN PEDIATRIC NURSING 1	SAIKI-CRAIGHILL SHIGEKO	Master	Fall	<p>Each graduate students will analyze data collected according to the research theme that he/she is interested in and will learn how to grasp structures and processes of phenomena.</p>
METHODOLOGICAL ISSUES IN PEDIATRIC NURSING 2	SAIKI-CRAIGHILL SHIGEKO	Master	Fall	<p>Each graduate student will conduct systematic literature review on a particular topic that he/she is interested in. Once they have reviewed the research and clarify the current issues, they will prepare their own research plans.</p>
SEMINAR IN PEDIATRIC NURSING	SAIKI-CRAIGHILL SHIGEKO	Master	Spring	<p>By comparing the principal concepts and theories in pediatric nursing to the phenomena captured through data analysis, students will understand changes in children and their families caused by diseases and disorders. In this way, it will help them to find ways to resolve issues in nursing. In addition, they will learn processes for discovering new findings and preparing papers through the integration of analytical results.</p>
THEORETICAL ISSUES IN GERONTOLOGICAL NURSING	OTA KIKUKO	Master	Spring	<p>Students will deepen understandings on senescence based on the theory of life-span development. They will also understand primary concepts and theories associated with understandings of the elderly. In addition, they will learn about roles and functions of advanced nurse specialists involved in gerontological nursing, including resolution of ethical issues, and discuss their goals and challenges as a certified nurse specialist in gerontological nursing.</p>
SUPPORT SYSTEM AND HEALTH SYSTEMS FOR THE ELDERLY	OTA KIKUKO KATO TADASUKE	Master	Fall	<p>Students will understand changes, current situations and issues of the health and welfare system for the elderly, nursing and medical care policies as well as Long-Term Care Insurance System in Japan. They will acquire knowledge and methodologies which would be required to understand formal and informal support systems for the elderly, including families, friends, neighbors, specialists and local community resources. They will learn about assessment and supporting methods, for the support systems with complicated issues, through case analyses.</p>
SEMINAR IN GERONTOLOGICAL NURSING	OTA KIKUKO YAMASHITA YUKA SUGAWARA MINEKO	Master	Spring	<p>Students will learn concepts/theories which would be required to understand characteristics of the elderly with chronic/long-term health issues (those with frailty or chronic disease, requiring long-term care, hospital visits and rehabilitations) and their families.</p> <p>They will understand theories and methods to support the elderly with chronic/long-term health issues so that they will be able to have their own life styles/lives as they want. In addition, they will cultivate abilities to reinforce recovery and various potential functions of the elderly, consider methods to provide evidence-based effective nursing supports, and apply these methods when selecting and applying a supporting method. They will also cultivate abilities to coordinate with the members of the public health and welfare team involved in the elderly and to utilize social resources.</p>

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GERONTOLOGICAL CLINICAL NURSE SPECIALIST PRACTICUM	OOTA KIKUKO	Master	All Season	Students will cultivate abilities to comprehensively assess health and living status, including therapeutic aspects, of the elderly with chronic/long-term health issues, which are too complicated and difficult to resolve (those with frailty or chronic disease, requiring long-term care, ambulant and rehabilitations), as well as demented elderly and their families so that they will be able to have their own life styles/lives as they want. They will also cultivate abilities to develop effective nursing integrating "cure" and "care". Through this experience, they will cultivate advanced nursing abilities including provision of supports in the living environment, collaboration with a team specialized in health care and welfare, and utilization of social resources. In addition, students will cultivate abilities to analyze the status of ethical issues in the elderly and their families, and to establish measures to be taken. They will also cultivate abilities associated with roles and functions of certified nurse specialist in gerontological nursing, in order to support family caregivers and give consultation to the members of the health care and welfare team, as well as to perform education and coordination activities for the members.
THEORETICAL ISSUES IN NURSING FUNDAMENTALS	MIYAWAKI MIHOKO	Master	Spring	Students will reflect on nursing concepts, skills, ethics, management and education, which form the basis of nursing, through their own practices and will discuss their future challenges.
METHODOLOGICAL ISSUES IN FUNDAMENTALS NURSING SKILLS 1	MIYAWAKI MIHOKO FUKUI RIKA	Master	Fall	Students will learn about education, research and evaluation methods regarding nursing care and explore skill-acquisition processes of care providers as well as methodologies for ethical practice, nursing management, and nursing data processing based on various theories.
METHODOLOGICAL ISSUES IN FUNDAMENTALS NURSING SKILLS 2	MIYAWAKI MIHOKO FUKUI RIKA	Master	Fall	Students will learn about education, research and evaluation methods regarding nursing care and discuss how nursing services should be provided as well as its methodology from perspectives of receivers and users of nursing care based on clinical experiences and literatures.
SEMINAR IN NURSING FUNDAMENTALS	MIYAWAKI MIHOKO FUKUI RIKA	Master	Spring	Students will aim to improve their abilities in assessment skills, nursing ethics, management and data processing, which form the basis of nursing practice, and will discuss current situations and issues in nursing practice through literatures and case analyses.
PATHOPHYSIOLOGY IN CANCER NURSING	SAYA HIDEYUKI OYA MOTOTSUGU OKAMOTO SHINICHIRO TANIGAWARA YUSUKE TAKAISHI HIROMASA TSUJI TETSUYA HASHIGUCHI SAORI YAGASAKI KAORI SHIRAHASE JOICHIRO SOEJIMA KENZO	Master	Spring	Students will deepen specialized knowledge for pathology, diagnosis and treatment of cancer in order to develop cancer nursing. For pathology and treatments in the specific areas, they will perform assessments on disease conditions and health issues, taking the latest findings into consideration, and explore roles/functions of cancer nursing.
THEORIES IN CANCER NURSING	KOMATSU HIROKO	Master	Spring	Students will understand characteristics of cancer patients and their families as well as medical/nursing cancer care, and will learn about concepts/theories and nursing intervention models which are required for nursing cancer care. They will then figure out how they can apply their learning to practice and researches. In addition, students will analyze/integrate current situations and issues regarding practices and researches on cancer based on evidence-based practice. According to what they have learned, they will pursue the roles/functions of advanced nurse practitioners specialized in cancer nursing.
THEORETICAL ISSUES IN CANCER NURSING	KOMATSU HIROKO TAKEDA YUKO	Master	Fall	Students will systematically and comprehensively recognize complicated health issues of cancer patients based on various theories/concepts as well as the idea of evidence-based practice, and will explore scientific and effective methods of nursing assistance which will provide the best treatment/care outcomes for patients. In addition, they will discuss ethical coordination performed by advanced nurse practitioners, which is necessary to resolve complicated health issues of cancer patients.
THEORETICAL ISSUES IN CANCER TREATMENT NURSING	KOMATSU HIROKO	Master	Spring	Students will understand theories and methodologies associated with decision-making support, treatment adherence, symptom management and system approaches, which will be required in nursing assistance to facilitate the best diagnostic/treatment processes for cancer patients, and will explore the latest evidences.
CANCER GENETIC AND GENOMIC NURSING	TAKEDA YUKO	Master	Spring	Students will learn about the latest findings associated with genetic predispositions and environmental factors involved in development of cancer and usefulness of medical technologies which can be utilized for early detection/prevention. In particular, they will cultivate abilities to pursue professional nursing care for patients/families with genetic predispositions.
THEORETICAL ISSUES IN CANCER MEDICATION NURSING	KOMATSU HIROKO YAGASAKI KAORI	Master	Fall	Students will develop evidence-based practice aiming for prevention/early detection/early management of adverse events as well as improvement of treatment adherence and quality of life in cancer drug therapy. They will also explore strategies to improve self-care abilities.
SEMINAR IN PALLIATIVE CARE	KOMATSU HIROKO YAGASAKI KAORI KOYAMA YURIE	Master	Spring	Students will comprehensively understand holistic pain experienced by cancer patients and their families from the aspects of human theory, pathology, psycho-oncology, and spirituality, and will discuss holistic care with which they can respect and support human life activities based on case studies and literature reviews. Then they will further suggest current situations and issues of palliative care system.

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CANCER CLINICAL NURSE SPECIALIST PRACTICUM	KOMATSU HIROKO	Master	All Season	Students will cultivate abilities to perform assessment and practical care which are required for advanced nurse practitioners specialized in cancer care, as well as abilities to educate, advise, coordinate, and conduct researches in the nursing field of cancer care. They will also cultivate abilities to make clinical judgments and assessments from various aspects in order to comprehensively understand complicated health issues that cancer patients and their families may have. In addition, they will acquire abilities to provide practical care which will bring the best outcomes for patients, based on evidence-based practice and fundamental theories and concepts. At the same time, they will explore the roles/functions and duties of advanced nurse practitioners as well as their scope of practice through collaborations with other cancer specialists and local communities. In educational collaboration with cancer specialist physicians, students will observe/experience processes of treatment selection as well as management of adverse events in cancer diagnosis/treatments and acquire abilities to perform clinical judgment as well as physical management in association with cancer treatments. On the basis of clinical judgment abilities and physical management abilities, students will cultivate nursing practice abilities to promote adherence, supportive care, and improvement of QOL in treatment processes for patients.
THEORETICAL ISSUES IN ADULT NURSING	KOYAMA YURIE YAGASAKI KAORI	Master	Spring	Students learn about basic concepts and theories required to understand characteristics of health status (e.g. acute/critical, chronic, transitional) of adult patients and their families. In addition, students will explore theories and methods with which they can maintain/coordinate the health status of the adult patients and their families at the optimum level and support them so that they can appreciate their lives/living styles as they like.
METHODOLOGICAL ISSUES IN ADULT NURSING 1	KOYAMA YURIE YAGASAKI KAORI	Master	Fall	Students will systematically and comprehensively understand complicated health issues of adult patients and their families based on various theories/concepts as well as ideas of evidence-based practice. Then, they will explore scientific/effective methods of nursing assistance in order to provide the patients with the best treatments/care outcomes.
METHODOLOGICAL ISSUES IN ADULT NURSING 2	KOYAMA YURIE YAGASAKI KAORI	Master	Fall	Students will pursue concepts/theories and nursing models associated with nursing assistance for health issues (e.g. acute/critical, chronic, transitional) of adult patients and their families, and will further explore research methods.
THEORETICAL ISSUES IN PSYCHIATRIC AND MENTAL HEALTH NURSING	HAMADA YOKO NOZUE KIYOKA	Master	Spring	Students will learn about various theories supporting psychiatric nursing such as psychoanalytic theory, developmental ego psychology, interpersonal relation theory, as well as stress-coping theory in addition to Orem-Underwood self-care nursing theory and interpersonal relation-based nursing theory, which have developed in the psychiatric nursing field. They will also discuss how they can apply and integrate these theories in nursing practice. Through this discussion, they will deepen understandings on subjects multi-dimensionally, and cultivate abilities to conduct psychiatric nursing practice through interpersonal relationships with the subjects.
MENTAL HEALTH ASSESSMENT AND SELF-CARE ACTIVITY EVALUATION	NOZUE KIYOKA FUKUDA NORIKO HIYAMA MITSUNORI	Master	Spring	Students will understand perspectives and recording methods of psychiatric and psychological evaluations as well as DMS, the diagnostic criteria for mental disorders, to capture mental health status, and learn methodologies of interviews and history taking for evaluations. They will also learn about perspective and methods of evaluation of behaviors in daily activities using the Orem-Underwood self-care nursing theory, as well as methods to evaluate association between daily activities and mental health status. In addition, they will learn about perspectives connecting these evaluations to the assistance in daily activities.
THERAPEUTIC INTERVENTIONS IN PSYCHIATRIC AND MENTAL HEALTH NURSING	NOZUE KIYOKA USAMI SHIORI	Master	Fall	Students will understand the basics of individual psychotherapy and group psychotherapy, and then learn ideas and skills of cognitive-behavioral therapy, client-centered therapy as well as family therapy and consider to apply them in nursing practice. They will also learn purposes and skills of therapeutic educational interventions in psychiatric nursing practice, such as support groups, psychoeducation, relaxation, SST, assistance in medication, assertion training, comprehensive violence prevention program and self-care support.
LIAISON PSYCHIATRIC NURSING	NOZUE KIYOKA	Master	Fall	Students will learn theoretical foundation, purpose, roles and functions of Liaison Psychiatric Nursing. They will learn how to assess and intervene with various mental problems of patients with somatic diseases from the psychosomatic point of view. They will also learn about direct care for patients in Liaison Psychiatric Nursing practice, consultation, mental health supporting activities for nurses, collaboration/coordination, ethical coordination, as well as education/research activities in clinical practice and comprehensively understand supporting methods performed by psychiatric nurse specialists. In addition, they will deepen understandings on history of development, issues and role development of psychiatric nurse specialists and imagine how it will be in the future.
SEMINAR IN PSYCHIATRIC AND MENTAL HEALTH NURSING INTERVENTIONS	NOZUE KIYOKA FUKUDA NORIKO OKADA YOSHIE	Master	Spring	Students will acquire knowledge necessary for advanced psychiatric nursing practice and learn intervention methods based on the knowledge. They will further learn about therapeutic nursing intervention skills such as psychotherapeutic interviews, cognitive-behavioral therapy, psychoeducation, social skills training, relaxation methods, violence prevention program from theoretical and technical point of views, and acquire intervention skills. In addition, they will acquire ethical sensitivity which constitutes the basis of practice as specialists, and acquire knowledge and skills necessary for protection of human rights of patients with mental diseases and their families and for supporting their decision making in treatments and daily activities.
PSYCHIATRIC AND MENTAL HEALTH CLINICAL NURSE SPECIALIST PRACTICUM	NOZUE KIYOKA	Master	All Season	Students will aim to cultivate advanced clinical practice abilities as psychiatric nurse specialists. In the first year, they will be in charge of 1-2 patients in psychiatric clinical training and perform assessment of the mental state of psychiatric patients, understand treatment methods, and perform self-care assessments based on Orem-Underwood self-care nursing theory while receiving instructions from psychiatric nursing specialists or clinical supervisors to develop nursing practice. Through this experience, students will learn how to apply theories and methodologies learned in the course to practice. In the training of the second year, students will improve their practical abilities associated with "practice", "consultation", "coordination", "ethical coordination", "education" and "researches", which are roles of specialist nurses through activities with psychiatric nurse specialists, and acquire abilities required for specialist nurses.

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HOME HEALTH CARE NURSING	NAGATA SATOKO	Master	Spring	Students will learn about supportive approaches for home-care patients with topics including family support, care management, and decision-making support, as well as actual practice and issues of home care according to characteristics of subjects such as intractable diseases, cancer, pediatric diseases and dementia.
METHODOLOGICAL ISSUES IN HOME CARE NURSING 1	NAGATA SATOKO	Master	Fall	Students will cultivate ability to clarify issues for understanding home-care needs in the community, appropriate allocation of home-care resources, as well as smooth transportation from one care facility to another in collaboration among care providers, which are all necessary for promotion of home-care.
METHODOLOGICAL ISSUES IN HOME CARE NURSING 2	NAGATA SATOKO	Master	Fall	Students will analyze and understand current situations of home-care needs in the community, appropriate allocation of home-care resources, as well as smooth transportation from one place to another in collaborations among care providers, and learn about methodology to figure out improvement measures.
THEORETICAL ISSUES IN PUBLIC HEALTH NURSING	KANEKO MASAOKO	Master	Spring	This course is positioned as an introduction to public health nurse activities, which mainly covers "object theory". Students will receive an overview of roles/functions of public health nurses and discuss current health issues in Japan among clearly defined subjects. In addition, they will review literatures on public nurse activities, which constitutes a part of the subsystem of public health activities, for these issues, and clarify the problems through confirmation of service contents provided by public health nurses as well as response to needs. Moreover, students will organize the basic ideas on methods of public health nurse activities from an overview for supporting strategies (family support, health consultation, health education, group formations, organization activities, etc.) for public health nurses to perform according to the health issues.
PUBLIC HEALTH NURSING INTERVENTIONS 1	KANEKO MASAOKO	Master	Fall	Students will deepen understandings on concrete methodologies for public health nurses to support local people, aiming to resolve their health issues. The supports provided by public health nurses include family supports, individual supports by a team, educational approach aiming to induce behavioral changes, group supports, and organizational activities in communities (community organizations). In this course, learning themes will be determined according to students' opinions, particularly focusing on individual supports, out of family supports as well as health consultations aiming for behavioral changes.
PUBLIC HEALTH NURSING INTERVENTIONS 2	KANEKO MASAOKO	Master	Fall	Following the previous course, "Methodologies in Public Health Nursing Activity 1", students will deepen understandings on roles and functions of public health nurses in terms of supporting methods for groups and communities (e.g. group supports, establishment of the community-care system, community organizations).
DESIGN AND EVALUATION OF COMMUNITY HEALTH NURSING PROGRAMS	KANEKO MASAOKO	Master	Spring	On the basis of the concepts of health promotion, students will learn about community diagnosis performed by professionals (especially public health nurses) through trainings. Based on this experience, they will learn about planning/evaluations of health services (especially evaluation methods) and will discuss associations between the service evaluations and health needs. They will also learn about how to establish actual service plans according to health needs, considering the contents of evaluations that they have made.
NURSING THEORIES	MIYAWAKI MIHOKO	Master	Spring	Students will understand outlines of analysis and evaluation of nursing theories which will guide them through nursing practices. 1. Cultivate basic abilities of theory construction and understand associations between theories and nursing phenomena. 2. Understand characteristics and structures of humans, health, environment and nursing care which constitute nursing theories. 3. Discuss establishment process of contemporary nursing theories and application of those to practice, education and researches.
SPECIAL ISSUES IN NURSING EDUCATION	FUKUI RIKI KOYAMA MARIKO	Master	Fall	Students will be able to understand the changes in nursing education and its systems, as well as basic theories and methodologies in nursing education, and to deepen understandings based on their own experiences. They will be able to (1) Understand changes, systems and curriculum amendment of basic nursing education and characteristics of the educational contents, (2) Understand basic ideas and structures when preparing a program for basic nursing education or continuing education, (3) Understand the position of continuing nursing education and educational contents for nurse specialists, certified nurses and certified nurse administrators, and discuss how the post-graduate education should be and problems in the future, expecting expansion of the nursing roles, and (4) reflect on individual clinical and educational experiences, understand methods of education for nursing students and nursing professionals, and think about establishment of educational environment and how to intervene.
CONSULTATIONS IN NURSING	NOZUE KIYOKA	Master	All Season	Students will learn about consultation theories and skills such as definition, purpose, type, process, method and evaluation of consultation. They will also understand application of consultation in nursing, actual situations and issues of consultation by specialist nurses, effects and issues of consultation activities on organization members, managers, and organizational culture. In addition, they will acquire stance and attitude as a nursing consultant, assessment skills, interpersonal-relation skills, intervention skills as well as evaluation methods through the mock consultation by roleplaying and feedbacks in group discussion.

Course Title	Lecturer	Degree Program	Semester	General Objectives of the Course
RESEARCH IN NURSING	SAIKI-CRAIGHILL SHIGEKO KANEKO MASAKO MASUDA SHINYA	Master	Spring	Taking significance of nursing researches into consideration, students will discuss objectives, tasks, methodologies, and evaluation methods of researches. They will (1) learn the basics of how to conduct qualitative and quantitative researches, and (2) go through trainings, aiming to acquire methods of literature reviews which are important to conduct researches.
NURSING INFORMATICS	FUJII CHIEKO MIYAGAWA SHOKO	Master	Fall	“Nursing Informatics is a specialty field which integrates nursing study, computer science and information science in order to control and communicate data, information and knowledge associated with nursing practice (American Nursing Informatics Association). Students will learn about basics to control and communicate nursing information such as the outline of Nursing Informatics, standardization of Nursing Information, information ethics, and nursing evidence. In addition, students will deepen basic understandings on computer science and information science such as information literacy and information security.
NURSING ETHICS	MIYAWAKI MIHOKO	Master	Fall	Students will be able to (1) discuss ethical practice based on historical/social backgrounds that raise issues regarding medical and nursing ethics, (2) analyze ethical issues through concrete cases based on ethical models and principles, and (3) respect values of people involved in ethical issues and consider how to adjust them.
POLICY MAKING IN NURSING	KOIKE TOMOKO TAKURA TOMOYUKI SAITO NORIKO	Master	Fall	It is a crucial role for specialists to suggest policies which would bring healthy and peaceful lives for the people, from perspectives of nurses who work close to patients/residents in various settings of medical care, public health, welfare and nursing care. In the health care reform, the nursing care delivery system changed greatly according to the legal reform, and the way to evaluate nursing skills, etc. in medical remuneration have also changed as well. It is meaningful for nursing specialists to learn about researches contributing to policies and the policy-making processes. In this course, students will learn how to conduct/evaluate survey data and modeling projects necessary for establishment of policies, through analyses of policy making and bill passing processes for major nursing policies, and understand evidence-based policy making. They will also discuss how to promote decision making processes in detail using domestic and foreign cases. Furthermore, students will learn how to contribute to evaluations of nursing skills and systems in medical and nursing-care remuneration, and will discuss what medical and nursing care services valuable for patients/users who receive these services are, from socioeconomic perspectives.
NURSING MANAGEMENT	KOIKE TOMOKO	Master	Spring	Nurses constitute more than half of the entire medical professionals; the quality of their activities could be a major factor affecting the quality of medical care. Therefore, in nursing management, we have placed focus on development of methods to control nursing staff at nursing departments and wards in medical/nursing care institutions, such as hospitals, and on their education. However, as environment associated with social security has changed greatly, requiring reform of medical and nursing care services, nursing managers are now expected to participate in management and play a major role in the reform of the system. In this circumstance, the field of nursing management studies has expanded greatly and become deepened. Recently, management methods which analyze/utilize big data related to medical care, data from organizations and corporate groups, as well as individual data from medical institutions have been developed, and intuitive nursing management has been shifted to evidence-based management. Considering such tendencies of nursing management researches, students will learn about what valuable services are for patients/users, the medical service delivery system which guarantees safety and quality of medical services, organization development, human resource development management and leadership, as well as management methods taking economic efficiency into consideration. In addition, they will analyze current issues in medical care and clarify medical care needs expected in the future, and will discuss how the future nursing management should be considering differentiation of medical care functions and local collaborations as well as promotion of team-based medical care.
PHYSICAL ASSESSMENT	YAMAUCHI KEITA KATO SHINZO KOBAYASHI MASAHIRO OTANI TOSHIRO KOYAMA YURIE ITO DAISUKE HAYASHIDA KENTARO TERASHIMA TAKESHI	Master	Spring	Students will systematically review physical conditions of subjects with complicated health issues in nursing practice settings, and understand basic knowledge to assess symptoms, signs and pathology which are necessary to make clinical judgments. Through this experience, they will cultivate abilities to make appropriate physical assessments as specialist nurses of various specialty fields. Students will be able to (1) explain significance and importance of physical assessments, (2) perform history taking and have basic consultation skills necessary in physical assessments, (3) appropriately describe the results obtained in physical assessments, and (4) find out significance in nursing practice settings from the results obtained in physical assessments.
PATHOPHYSIOLOGY AND CLINICAL ASSESSMENT	KATO SHINZO HASHIGUCHI SAORI TABUCHI HAJIME MONKAWA TOSHIAKI FUNAKOSHI TAKERU	Master	Spring	The subject and goal: Acquire knowledge and skills necessary for interpreting, judging and managing pathophysiological changes based on clinical reasoning in front of patients with symptoms. Lecture methods, etc.: Organize basic knowledge mainly acquired during the lectures in the first half of each class, and in the second half, cultivate ability to apply knowledge mainly through case studies.

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CLINICAL PHARMACOLOGY	TANIGAWARA YUSUKE KOMATSU HIROKO IMAMURA CHIYO	Master	Fall	Students will acquire knowledge and attitudes for drug therapy required to be specialist nurses in various specialty fields by learning basic knowledge of clinical pharmacology necessary for practicing safe and effective drug therapy. Hence, they will achieve the following goals. Students will: (1) Understand relationships between drug pharmacokinetics and efficacy, adverse reactions, drug interaction. (2) Understand drug information and "Laws and ordinances related to the pharmaceutical affairs" in order to properly use pharmaceutical products. (3) Understand drug therapy characteristic to disease areas such as cancer, the elderly and mental diseases or various statuses such as drug administration under decreased organ functions, and attempt to improve abilities in patient care, monitoring and drug control.
HEALTH POLICY AND MANAGEMENT	HOTTA SATOKO	Master	Fall	As the report of the National Council on Social Security System Reform indicates, the medical care provision system of Japan is at a turning point. There is a need of transition from procurement of "quantity" to that of "quality", as well as provision of medical care which is appropriate for the aging society, through differentiation and collaboration of medical functions, and collaboration of medical care and elderly-nursing care. However, it is not easy to have a reform on the medical care provision system due to barriers between professionals and underdeveloped patient-centered care system. In this course, students will learn about the system of "humans", "products" and "money" which constitutes the medical-care services and will discuss how the future medical care should be.
HEALTH SERVICES FINANCIAL MANAGEMENT	AIDA KAZUO TAMURA KEIICHI	Master	Fall	Upon operation of medical institutions, home-care facilities and health/sports related organizations, appropriate financial management is essential regardless if they are profit or non-profit organizations. Without this, it is not possible to continue providing high quality services under the circumstances with dramatic changes of surrounding environment, such as reformation of systems and diversification of user needs, while corresponding to these changes. Hence students will learn how to obtain financial/accounting information and calculate the cost, and will discuss how to analyze and utilize them in terms of management .
ETHICAL ISSUES IN HEALTH SERVICES MANAGEMENT	UMEZU MITSUHIRO	Master	Spring	The objective of this course is for students to consider ethical issues associated with healthcare from the aspects of organization and management. There is no doubt that healthcare today requires collaborations of not only hospitals but also various organizations and multiple people or groups. Students will discuss what kind of issues exist in current organizations and systems and how these can be resolved or improved, in addition to how laws and policies should be.
MEDICAL LAW	MAEDA SHOICHI	Master	Fall	In this course, students will learn legal issues which are especially important in medical care and medical researches, and receive lectures on these issues using Japanese laws as materials. In addition, students will have lectures on legal views of other countries as well as comparative studies for arguments in the field of medical ethics, if beneficial.
RISK ASSESSMENT AND MANAGEMENT	MAEDA SHOICHI	Master	Spring	Recently, medical-care safety control is considered as one of the most important issues in medical institutions in Japan; measures to prevent adverse events (medical accidents) from occurring or to promptly and appropriately resolve adverse events (medical accidents) which already developed, have been promoted more than ever. Hence, students will learn about such issues of medical quality/safety control, and specific measures to be taken.
HEALTH CARE MANAGEMENT STRATEGIES	HOTTA SATOKO	Master	Fall	Management of healthcare-related institutions require precise analyses of current situations and strategies based on future expectations under various environmental changes such as system reform or changing needs. At the same time, for management of such institutions, how we manage abilities and attitudes of professionals from various fields which constitutes the majority of the staff members is a great concern compared to the other fields, as these can directly affect the quality of services and achievements of organizations. Therefore, in this course, students will discuss management strategies of healthcare-related institutions, including human resource management and organization management.
PERSONAL CARE MANAGEMENT	YAMAUCHI KEITA OKA MAYUMI TAKAHASHI YURIKO	Master	Fall	Along with arrival of super-aging societies and advancement in medicine, boundaries among health promotion, diagnosis/treatment, rehabilitation and nursing care have become gradually ambiguous. Hence, it is necessary to integrate services on individual-basis, which have been traditionally separated and efficiently provide them by combining the best occupations. In this course, students will learn about a new methodology which combines management required for establishment of a system to perform classification and monitoring according to the individual needs, with knowledge of public health, healthcare and welfare. Students will analyze the current situation where various services have been separated as in the background requiring above-mentioned new methodologies. Taking these into consideration, students will learn about methods for disease control and care management, etc. In addition, they will discuss a barrier in systematizing personal care as well as the method to overcome the barrier.
HEALTH ECONOMICS 1	FUJITA YASUNORI	Master	Spring	This course is offered for students who have never learned basics of economics. In order to achieve deeper understandings of "Health Economics II", students will aim to acquire basics of macroeconomic and microeconomic theories, as well as to be able to recognize current situations of Japanese and world economy based on these theories and consider how medical care should be.

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HEALTH ECONOMICS	KAWAI HIROKI IBUKA YOKO	Master	Fall	Even students who did not major in economics will be able to understand the idea of health economics in this course. In the first half, the students will learn the idea of economics and how to make policy evaluations, followed by macroeconomic analysis of medical issues. Then in the second half, they will discuss various medical/health issues in details from the aspect of economics.
INTELLECTUAL PROPERTY ISSUES IN THE HEALTHCARE INDUSTRY	HIRAYAMA KOJI	Master	Fall	There are ongoing intense competitions in intellectual properties which cover advanced technologies including pharmaceutical products and medical devices; the weight of creation, management, and utilization of intellectual properties has been growing in management strategies of each company. In this course, students will thus understand various systems associated with intellectual property right such as patents as well as approval procedures of the Pharmaceutical Affairs Law, which confirms safety and efficacy of drugs, and review actual cases. They will also analyze tendencies of research development of pharmaceutical products and medical devices as well as characteristics of these products. The objective of this course is for students to acquire the minimum knowledge of laws and various systems associated with the intellectual property right. In particular, their goal is to acquire knowledge which is adequate enough to resolve problems through discussions with professionals when they had issues regarding the intellectual property right, instead of leaving everything to professionals such as patent attorneys and lawyers.
PHARMACOECONOMICS	SADO MITSUHIRO IKEDA SHUNYA SIMOZUMA KOJIRO SAKAMAKI HIROYUKI INAGAKI ATARU	Master	Fall	In health technology assessment, more emphasis has been placed on cost-effectiveness analysis, which measures costs and outcomes and evaluates the balance between them. In lectures of "Pharmacoeconomics", methodology of cost-effectiveness analysis is discussed in terms of both theories and applications while focusing on QOL and pharmacoepidemiology studies.
GERIATRIC MEDICINE AND GERONTOLOGY	TAKAYAMA MIDORI ISHIDA HIROYUKI ARAI YASUMICHI TABUCHI HAJIME SEKI MASARU	Master	Spring	Gerontology is an interdisciplinary field in which "aging" is captured from various aspects such as medical, sociological, psychological and elderly-care perspectives. Especially in the medical field (gerontology), this subject is very important in order to understand diseases and pathology peculiar to the elderly and clarify the aging mechanisms. In lectures, gerontology will be divided into individual specialty fields, and students will have explanations for each field. Some specialists of the corresponding fields will be invited to give lectures.
HEALTH PROMOTION	OGUMA YUKO SAITO YOSHINOBU	Master	Fall	On the basis of theories acquired in "Health Behavior Science", students will deepen understandings on social backgrounds where health promotion is required from the aspects of public health, and acquire methodology to design/conduct more practical programs. In addition, they will learn about specific contents and issues of health promotion programs which have been developed in various settings. The goal of this course is for students to be able to design a program with which they intervene with the society themselves.
PHYSICAL ACTIVITY AND HEALTH	OTANI TOSHIRO ISHIDA HIROYUKI OGUMA YUKO HASHIMOTO TAKESHI	Master	Spring	The objective of this course is for students to acquire basic knowledge of exercise physiology and exercise epidemiology, which will be required when they learn about exercise (physical activities) and health. In exercise physiology, students will understand phenomena and mechanisms of functional/structural changes of a body with exercise. In exercise epidemiology, they will learn about researches in this field, which have been suggesting that lack of exercise or physical activities could be a significant risk factor for non-infectious diseases, aging and decreased QOL, and will discuss how to promote physical activities in the future.
NUTRITION AND HEALTH	KATSUKAWA FUMINORI IRIE JUNICHIRO TAKATA KAZUKO	Master	Fall	It is important to understand dietary habit, as much as exercise (physical activities), when considering lifestyle in health management. Dietary habit indicates overall eating behaviors including frequency of meals, the amount of intake, types of food products, methods of intake, methods of cooking, energy intake and the amount of nutrient intake. Students will acquire basic knowledge, which is needed to scientifically analyze dietary habit in association with health, as well as practical knowledge such as sport nutrient.
SPORT MANAGEMENT AND HEALTH	SANO TAKEHIKO SAKATA YUSUKE	Master	Spring	The objectives of this course are for students to develop logical thinking ability (think not "how" but "what") and conceptual skills (use frameworks for management analysis and strategy planning), which is required for a business leader to run a sport organization as a social enterprise, and to deepen understandings on characteristics of sports as "experience" product and mechanisms of value creation.
SPORT MARKETING AND HEALTH	SANO TAKEHIKO MASUDA MOTONAGA	Master	Fall	Sport marketing can be defined either as "Marketing of Sports" or as "Marketing through Sports." Marketing means customer creation. Hence, the former clients include sport consumers, and the latter clients include companies which target sport consumers. The types of sport consumption may vary, such as "do", "watch" and "support", and sport consumers' expectations could be all different. Therefore, objectives of this course are for students to acquire "marketing minds" and deepen understandings on "marketing management processes" in sport business.

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FUNDAMENTALS OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH	NAKANO MAKIKO IWASAWA SATOKO	Master	Fall	In this course, students will broadly understand factors affecting health and learn about processes of assessment, management and communication on health risks induced by physical/chemical environments in general/working environments, which are the part of the factors affecting the health. In addition, as public health specialists, they will acquire basic knowledge which is necessary to resolve identified problems and to efficiently promote establishment of more comfortable and healthy environments. They will also deepen understandings on the latest topics of environmental/occupational public health such as development of bile duct cancer induced by particulate matters (PM2.5), radiation and cleaning products for printing press.
LEADERSHIP AND MANAGEMENT IN PUBLIC HEALTH	TAKEBAYASHI TORU FUKUYOSHI JUN YAMAZAKI MAYUKA	Master	Spring	Public health is a preventive, health and medical intervention in communities through systematic approaches; it is required for public health professionals to be able to manage both science and arts, as defined by C.E.A. Winslow as a definition of public health, namely to have conceptual and management abilities to utilize scientific findings in their practice as well as leadership to show directions in actual practice settings. In this course, students will acquire abilities to conduct systematic management in the fields of health, medical care and welfare through cases in two-way, deliberative lectures using case methods.
INFECTIOUS DISEASE, EPIDEMIOLOGY AND SURVEILLANCE	KAMAKURA MITSUHIRO SAITO TOMOYA	Master	Spring	Public Health researchers have to learn basic knowledge of various infectious diseases and the skills of preventive measures and crisis management. The subject aims at learning basic knowledge of microbiology and infectious diseases and at acquiring the epidemiological and public health skills necessary for the prevention of epidemics and the spread of crisis, including intensive surveillance.
EPIDEMIOLOGY OF NON-COMMUNICABLE DISEASES	OKAMURA TOMONORI KUWABARA KAZUYO	Master	Spring	After 1950, mortality due to tuberculosis decreased greatly, but instead percentages for so called "adult diseases" at that time such as cancer (malignant neoplasm), cerebrovascular disease (stroke) and cardiac diseases increased among the causes of death. The stroke particularly used to be the leading cause of death, reaching the peak in 1965, until it was replaced by cancer in 1981. Moreover, gastric cancer had long remained as the leading cause of cancer death after the WWII until it was replaced by lung cancer in 19923 in males, and by colon cancer in 2003 in females. With this background, the movement for overcoming these two adult diseases with medical (health) examinations began in Japan. Even after the term "adult disease" was changed to "lifestyle disease", which placed more focus on disease onset, the idea of giving greater importance to health examinations still continued. Then after many twists and turns, today's medicine reached to the point that primary prevention and improvement of lifestyles are also taken into serious consideration. Due to increases in aging population and diversity, it is difficult nowadays to conduct preventive measures which are simple and effective, as it used to be. In this course, students will learn about backgrounds and current situations of epidemiology, risk factors and preventive measures of lifestyle diseases, and discuss preventive methods against future lifestyle diseases through the latest research findings.
COMMUNITY-BASED PUBLIC HEALTH	OKAMURA TOMONORI KANEKO MASAKO KUWABARA KAZUYO	Master	Spring	Local community is where people live. Human health is associated with various factors such as socioeconomic environment, administrative system and culture/natural environment, and relationship with people around; the "local community" as a whole is an important environmental factor which affects the health of all people. In Community-based Public Health, students will discuss health management of individual people in the community as well as how the retrospective community should be in order to maintain the individual people's health. In the community where daily activities take place, a variety of people and organizations are under control of various systems; despite the influences of these systems, the common people are engaged in various activities. In this courses, students will learn about roles of public organizations, which are deeply associated with local public health, and understand the law systems. Then they will learn about the collaboration between the local community and work fields, roles of individual public health medical professionals, public health for parents and children, community empowerment, issues regarding inter-regional discrepancy between cities and rural areas, and collaborations among public health, medicine and welfare, through actual cases.
INTERNATIONAL HEALTH	KAMAKURA MITSUHIRO KONDOU YOSHIE	Master	Fall	The level of health and medical services are considerably different by country or region in the world. Global important death causes are infectious diseases and those concerning maternal and child health. The basic purpose of the course are the learning of the index measuring the level of health, investigation of causal factors and various considerations of effective measures. Exercise of epidemiology, important as an analysis measure, is included in the course. Health problems of foreigners living in Japan and international medical support will be lectured as a example of practical correspondence by an external lecturer.
INTRODUCTION TO STRESS CARE/ MENTAL HEALTH	MIMURA MASARU SADO MITSUHIRO SHIRAHASE JOICHIRO MIURA YUKI KASAHARA MARI	Master	Spring	For various stress in contemporary societies, students will receive an overview of classifications according to the types and factors of the stress, evaluation methods, reactivity and management methods, so that they will be able to understand the whole picture of stress care to begin with. They will then learn about effects of personality factors on various stresses and mental diseases associated with stress, as well as pathophysiology, symptomatology and treatment approaches for each one of various mental diseases such as mood disorder, anxiety disorder and somatoform disorder. Finally, the students will acquire how to deal with such mental diseases while maintaining/promoting mental health at workplace through actual cases. Thus, the goals of this course are for students to learn basic knowledge and skills to conduct stress management and acquire how to deal with mental diseases associated with stress while learning the importance of stress care in maintenance/promotion of mental health at workplace or in societies.

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HEALTH COMMUNICATION	AKIYAMA MIKI	Master	Fall	<p>There are three steps to make people and society healthy, namely, by “producing (researching)”, “using (decision making in clinical and policy-making settings)” and “delivering and promoting (communicating)” information with a scientific proof (evidence), and these are all important. For example, most of the people with serious health problems often have multiple social, economic and environmental issues. In order to resolve such health problems, it is not enough to just give knowledge to the patients themselves; it is also necessary to raise issues involving both the people around the patients, of course, and policymakers in governments and society through effective use of various media, etc. “Health Communication” discussed in this course will include such processes.</p> <p>In this course, students will learn basic theories and concepts which allow them to effectively communicate in health/medical fields. Then, they will further learn how to achieve conclusions through practices in researches using actual cases. We are expecting to welcome guest lecturers who have been practicing remarkable health communications in the society. This course will primarily cover health campaign, advocacy and decision-making in medical care (communications between medical professionals and patients). It also includes face-to-face communications as well as communications through social media and mass media.</p> <p>Graduate students, who are interested in medical care and public health, as well as health/medical care policies, and are willing to learn strategies, skills, methods and approaches to resolve human health issues by understanding them and collaborating with various actors will be welcomed to this course.</p>
HEALTH BEHAVIOR SCIENCE	GOTO REI OGUMA YUKO USHIYAMA JUNICHI ISHIKAWA YOSHIKI	Master	Fall	Health behavior science is a field of science to understand human behaviors in association with health and diseases. We will go over a variety of scientific fields including psychology, sociology and biology. In this course, students will understand perspectives of health behavior science from lectures based on various point views, given by each one of the teaching faculty from their own specialty fields. In addition, they will also learn about what kind of factors would affect health behaviors based on major theories of behavior science at different levels, such as intrapersonal (in the same person), interpersonal (between persons) and community levels, and will be able to effectively promote health behaviors.
BASIC PHARMACOMETRICS COURSE	TANIGAWARA YUSUKE	Master	Spring/Fall	Pharmacometrics is a new scientific field which quantifies information regarding effects of pharmaceutical products and diseases in humans and predict behaviors and uncertainty with computer science, assisting the optimal judgment in development of pharmaceutical products and drug therapy. In this course, students will acquire basic knowledge on pharmacometrics and data science techniques.
INTERMEDIATE PHARMACOMETRICS COURSE	TANIGAWARA YUSUKE	Master	Spring/Fall	Pharmacometrics is a new scientific field which quantifies information regarding effects of pharmaceutical products and diseases in humans and predict behaviors and uncertainty with computer science, assisting the optimal judgment in development of pharmaceutical products and drug therapy. In this course, students will acquire basic knowledge on pharmacometrics and data science techniques.
HOSPITAL MANAGEMENT	KAWAKITA HIROBUMI	Master	Spring	Hospital management has been regulated by various rules and systems. Recently, however, a variety of changes including increased demand for reformation and improvement of the medical service fee system, deregulation, and transformation of national hospitals into independent administrative institutions have occurred. Under such circumstances, each hospital has been urged to reconsider management policies and improve management and control abilities in routine works. Students will discuss such situations using various cases.
HOME CARE SERVICES MANAGEMENT	TAMAI MASUMI	Master	Spring	In lectures, students will learn economic rationality to accommodate two contradictory aspects, social significance and commercial purposes, through actual situations of home care services from the perspectives of private profit organizations participating in nursing insurance business. (Students will also receive outlines of nursing care/medical services fees and differences between contracting business and dispatching business, and learn actual situations of individual home-care services.)
PRIVATE INSURANCE MANAGEMENT	MIZUKAMI JUNICHIRO	Master	Spring	Property-casualty insurance business is known as a highly social/public business which stabilizes various economic activities of individual people as well as companies and medical institutions, etc. by compensating for economic anxiety associated with accidents. Students will learn about the roles and activities of property-casualty insurance business and discuss future perspectives of associated businesses and risk management in order to further understand the private insurance management system.
PHARMACEUTICAL INDUSTRY	EZURA MIYUKI	Master	Spring	<p>The primary objectives of this course are for students to learn about pharmaceutical industry, which constitutes a part of health industry, and broaden their views .</p> <p>High-priced pharmaceutical products drew attention in 2016, and active discussions have been held regarding continuity of medical care. In this course, students will understand difficulties in regulations and development of pharmaceutical products and discuss the future of pharmaceutical industry under the healthcare cost containment policy.</p> <p>There are two goals in this course; the first one is for students to deepen understandings on special characteristics of pharmaceutical industry as well as on the pharmaceutical industry handling medical products with additional values, and to acquire knowledge to consider how the future pharmaceutical industry should be; the second one is to understand the management structure and regulations regarding how to conduct both scientific exploration and business, and to discuss continuity of industry.</p>

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HEALTHCARE ORGANIZATIONS EVALUATION	SUGAWARA HIROYUKI	Master	Spring	<p>For methods of medical-care quality evaluations in hospitals, it has been becoming common to use a third-party organization to make evaluations in addition to self-evaluations and evaluations made by users (patients). In this course, students will discuss significance and roles of evaluations on medical-care quality as well as issues of hospital-based medicine from the aspects of specific evaluation criteria and evaluation results.</p> <p>The course will also cover topics such as medical safety and methods to improve quality.</p> <p>After this course, students are expected to be able to understand and explain the followings:</p> <ul style="list-style-type: none"> - Concepts and evaluation methods of medical care quality - Improvement by hospital function evaluations - Current situations and issues of hospital function evaluations in Japan - Evaluations of medical safety, which is a crucial factor for medical care quality.
HEALTHY CITIES AND URBAN DESIGN	SHIBAYAMA TETSUYA MORITA JUN OKADA TETSU	Master	Fall	When we think about health promotion, preparation of environment surrounding the residential area is a crucial strategy. Recently, this has been developed into "city planning". From the perspectives of companies involved in projects such as "universal design" or "healthy city", students will learn about "Healthy Cities and Urban Design" from the marketing aspects through concrete examples.
BIOMECHANICS AND MOTION ANALYSIS	OTANI TOSHIRO HASHIMOTO TAKESHI NAGURA TAKEO SHINJO TAKUMA IMAI SATOSHI	Master	Spring	<p>The course will explain the basic biomechanics and motion analysis.</p> <p>The students will learn about basic biomechanics of joint, three dimensional motion analysis, basic gait analysis, and practice of motion analysis of golf swing.</p>
ASSESSMENT OF PHYSICAL FITNESS	KATSUKAWA FUMINORI OGUMA YUKO ISHIDA HIROYUKI SAITO YOSHINOBU	Master	Spring	Students will learn about physical activities which are important to study/practice exercise physiology/epidemiology as well as how to measure/evaluate physical strength including cardiopulmonary fitness/body composition and how to perform medical checks. Students will also learn about motor-function evaluation methods in the elderly, which have been drawing attention in these years. Students will not only attend classroom lectures but also have opportunities to become subjects and experience actual measurements.
COMMUNITY DESIGN, SPORTS AND HEALTH	SANO TAKEHIKO	Master	Fall	Sports consist of three "factors": "time", "space" and "mates". Therefore, sports can be established through connections with local communities within the range of daily activities. Moreover, sports function as a universal language which can instantly connect people all around the world despite cultural and language differences. Under the world trends of globalization and localization, students will discuss how they can design local societies using sports.
SPORT INDUSTRY AND HEALTH	SANO TAKEHIKO TAKEDA TSUNEKAZU KAMIYA SOUNOSUKE FURUYA SACHI	Master	Spring	Sport industry is a type of industry providing "materials", "space" and "services", which would induce various functions of sports, in order to improve the satisfaction level and quality of people's lives, with features such as space/location-based industry, time-consuming industry, service-oriented industry, and final consumer products/service providing industry. Considering such features of service industry, students will understand structures and mechanisms of industries.
PUBLIC HEALTH PRACTICE	SAKAMOTO NOBORU	Master	All Season	It is required in public health settings of super-aging societies to encourage effective and efficient health promotion and health care with close collaborations among public health, healthcare and nursing care, which have become less distinct from each other. In addition, the roles of public health have changed to include empowerment not only for communities but also for individuals which constitute the communities. Health risk management is also important. In this course, students will learn about public health activities at the frontline of the community health and will systematically acquire realization processes of policy-making and practice of high-standard ideology.
BUSINESS DEVELOPMENT IN HEALTHCARE	FUKUYOSHI JUN	Master	All Season	We have three objectives: i) we will gain the practical knowledge about generating and starting new business of health/medical field; ii) we will develop an actual business idea in the health/medical domain, so that students can feel much more relevancy to starting up new business; and iii) leveraging the learning from the course, students will be strongly motivated to generating/starting up new business of health/medical field.
INDEPENDENT RESEARCH	TAKEBAYASHI TORU	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses or project research papers (internship) under instructions of supervisors.
INDEPENDENT RESEARCH	OGUMA YUKO	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses or project research papers (internship) under instructions of supervisors.
INDEPENDENT RESEARCH	KAMAKURA MITSUHIRO	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses or project research papers (internship) under instructions of supervisors.
INDEPENDENT RESEARCH	KOMATSU HIROKO	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses under instructions of supervisors.
INDEPENDENT RESEARCH	KANEKO MASAOKO	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses under instructions of supervisors.

Course Title	Lecturer	Degree Program	Semester	General Objectives of the Course
INDEPENDENT RESEARCH	SANO TAKEHIKO	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses or project research papers (internship) under instructions of supervisors.
INDEPENDENT RESEARCH	KONDOU YOSHIE	Master	All Season	Students will aim to set up research themes, establish research plans, conduct the researches, and use the results to prepare the masters' theses in the fields of maternal-infant nursing and midwifery.
INDEPENDENT RESEARCH	OOTA KIKUKO	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses or CNS project research papers under instructions of supervisors.
INDEPENDENT RESEARCH	WATANABE MICHIKO	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses or project research papers (internship) under instructions of supervisors.
INDEPENDENT RESEARCH	NOZUE KIYOKA	Master	All Season	Each one of the students will clarify his/her own research theme in the psychiatric nursing field, conduct systematical literature review, design a research plan, and conduct the research. They will write up the results in master's theses or CNS project research papers.
INDEPENDENT RESEARCH	MAEDA SHOICHI	Master	All Season	Detailed explanation on research methods and methods on writing papers will be provided. While there are themes for each class in the lesson plan, classes will not be lectures on these themes. I will explain the themes as necessary when providing guidance on research papers.
INDEPENDENT RESEARCH	MIYAWAKI MIHOKO	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses under instructions of supervisors.
INDEPENDENT RESEARCH	YAMAUCHI KEITA	Master	All Season	In the research field selected by students, they will establish research themes, design research plans, conduct the researches, and write up the results in master's theses or project research papers (internship) under instructions of supervisors.
ADVANCED STUDIES IN NURSING 1	KOMATSU HIROKO KANEKO MASAKO MIYAWAKI MIHOKO OOTA KIKUKO	Doctor	Spring	Students will acquire knowledge, concepts, theories and methods regarding matters which form the basis of nursing researches, and will use them when they consider exploring individual research themes.
ADVANCED STUDIES IN NURSING 2	MIYAWAKI MIHOKO KANEKO MASAKO OOTA KIKUKO KOMATSU HIROKO	Doctor	Fall	Students will make sure that they know basic theories associated with nursing as well as methodology and analysis methods of empirical studies and will understand the recent trends in these aspects. They will also accumulate basic knowledge of research themes. In addition, they will clarify directions and challenges of researches which will guide them through effective nursing practices in specific nursing fields.
JOINT SEMINAR ON NURSING	SAIKI-CRAIGHILL SHIGEKO KONDOU YOSHIE MIYAWAKI MIHOKO NOZUE KIYOKA KANEKO MASAKO KOMATSU HIROKO OOTA KIKUKO NAGATA SATOKO FUKUDA NORIKO FUKUI RIKI KOYAMA YURIE KOIKE TOMOKO TSUJI KEIKO YAGASAKI KAORI	Doctor	Spring/Fall	This course mainly includes study reports of internal/external researchers, practitioners and registered students involved in nursing study and their discussions. The registered students will report ideas and progress of their own researches one by one, and receive suggestions to conduct their own researches during discussion with the rest of the participants. At the same time, they will also receive advice and instructions necessary for preparation of papers, from their supervisors and other instructors in charge. In addition, students will acquire deep insights which are required for researchers, educators, and professionals from highly-specialized fields by participating in discussions about study reports made by other registered students, instructors, other researchers and practitioners.
ADVANCED STUDIES IN HEALTH CARE MANAGEMENT 1	MAEDA SHOICHI KENJOH YOSHIKAZU KAMAKURA MITSUHIRO HOTTA SATOKO YAMAUCHI KEITA WATANABE MICHIKO TAKEBAYASHI TORU KAWAI HIROKI AKIYAMA MIKI OKAMURA TOMONORI UMEZU MITSUHIRO MIYATA HIROAKI	Doctor	Spring	Students will confirm methodologies and analytical methods of basic theories and empirical researches related to public health and sport/health science, and will attempt to accumulate basic knowledge on their research themes. In addition, they will focus on current issues associated with external and internal environmental changes in public health and sports, and aim to develop abilities to understand research themes from comprehensive and multifaceted point of views.

Course Title	Lecturer	Degree Program	Semester	General Objectives of the Course
ADVANCED STUDIES IN HEALTH CARE MANAGEMENT 2	MAEDA SHOICHI KENJOH YOSHIKAZU KAMAKURA MITSUHIRO HOTTA SATOKO YAMAUCHI KEITA WATANABE MICHIKO TAKEBAYASHI TORU KAWAI HIROKI AKIYAMA MIKI OKAMURA TOMONORI UMEZU MITSUHIRO MIYATA HIROAKI	Doctor	Fall	This course will help students develop knowledge/skills acquired in “Advanced Studies in Health Care Management 1”, and deepen understandings to the specialty level on themes through literature reviews of previous researches with themes, which are the same as those selected by the students themselves, and case studies on relevant projects. Thus, they will be able to deepen their understandings and develop more specific views on research schemes and frameworks. In addition, students will occasionally learn about analyses of various current issues associated with public health and sport/health science so that their researches will truly meet the various highly specific requirements of societies.
JOINT SEMINAR ON HEALTH CARE MANAGEMENT	MAEDA SHOICHI KENJOH YOSHIKAZU KAMAKURA MITSUHIRO HOTTA SATOKO YAMAUCHI KEITA WATANABE MICHIKO TAKEBAYASHI TORU KAWAI HIROKI AKIYAMA MIKI OKAMURA TOMONORI UMEZU MITSUHIRO MIYATA HIROAKI	Doctor	Spring/Fall	This course mainly include study reports and discussions by students and internal/external researchers and business persons on topics associated with public health and sport/health science. Students will report schemes and progress of researches one by one and receive suggestions to accomplish the researches through discussion with the rest of the participants. At the same time, they will receive advice and guidance necessary for writing papers from instructors and other faculty members in charge. In addition, they will also develop deep insight into public health and sport/health science in general, which is essential for researchers/educators or highly specialized business persons, through discussions with other students as well as instructors, researchers and business persons.