

## **1-9 Graduate School Curriculum Formulation and Implementation Policy (Curriculum Policy)**

### **1.Master's Program Curriculum Formulation and Implementation Policy**

- (1) The master's program curriculum of each division and department is formulated to provide an education that allow students to develop the skills and knowledge they acquired during their undergraduate studies, gain deep and detailed knowledge from a broad perspective in the context of the University's diverse, interdisciplinary academic research, and develop the ability to engage in research in the field of specialty or the advanced skills needed for jobs, etc., that require a high level of specialization. (DPA, DPB)
- (2) The doctoral program curriculum of each division and department is formulated to provide an education that allow students to develop creative abilities that are required to conduct high-level specialized education and interdisciplinary research that serves as the foundation of the areas of specialty, the research capabilities required to conduct research activities independently or engage in other high-level specialized work, and the wealth of knowledge that will serve as a foundation for those abilities. (DPA, DPB)
- (3) Our graduate school designs and implements a curriculum that is characterized by its interdisciplinary nature and fusion of the humanities and sciences without being restricted by existing areas of specialty, to enable students to position their own research from a broad perspective. Furthermore, our graduate school implements research that takes on the challenge of knowledge creation, which expands profusely while standing on a foundation of high expertise through a guidance structure consisting of multiple faculty members, minor programs and even partnerships between universities. (DPB, DPC)
- (4) By emphasizing internationality and designing a curriculum that partners proactively with overseas research institutes, we will provide opportunities to come into contact with the results of leading research, while at the same time fostering the ability to be active in the international community that promotes interdisciplinary research on a foundation of multicultural mutual understanding. (DPA, DPC)
- (5) We will partner with society and conduct education and research geared toward societal needs, in order to enable students to be sensitive to changes in society while at the same time taking a consistent attitude of seeking truth, and to develop researchers and high-level professionals who are able to achieve a desirable cycle of knowledge with society. (DPB, DPC)

### **2. Course Contents and Method**

- (1) Students acquire specialized knowledge through basic and advanced lecture courses in each field. (DPA)
- (2) Students deepen their accumulated, specialized knowledge through seminar courses that encourage independent and cooperative learning. (DPA, DPB)
- (3) Students acquire comprehensive skills in foreign languages, career development, leadership, data science and other areas necessary for practical application in society through courses shared throughout the graduate school. In addition, a minor program is offered to broaden students' perspectives across disciplines. (DPC)
- (4) Students acquire research methods needed to approach various problems in each field through the Special Research (master's program), Guidance for Doctoral Dissertation (doctoral program) and other courses. (DPA, DPB)
- (5) The syllabus for each course clearly states course content and achievement objectives so that students can proceed with their studies and research with an appropriate course plan and a clear research plan. Appropriate research guidance regarding research plans is also provided. (DPA, DPB)

### **3. Academic Evaluation Method**

Students are evaluated based on the characteristics of each course, and on the standard of examinations, reports, class presentations, etc. The evaluation percentages are clearly stated in the syllabus. In addition, students must submit a thesis (master's thesis for the master's program and doctoral dissertation for the doctoral program) and pass a review by the Thesis Review Committee to complete the program.

### **Policy for the Granting of Master's Degrees**

### **Division of Comparative Studies of Societies and Cultures Curriculum Formulation and Implementation Policy**

## **1. Division of Comparative Studies of Societies and Cultures Curriculum Formulation and Implementation Policy**

The curriculum consists of lectures, seminars and special research courses in accordance with the characteristics of the various fields of comparative sociocultural studies, which broadly address human cultural activities in both a diachronic and synchronic manner and pursue it comprehensively from a specialized yet interdisciplinary perspective.

## **2. Course Contents and Method**

- (1) Students acquire specialized knowledge through basic and advanced lecture courses in each field of comparative sociocultural studies. (DPA)
- (2) Students deepen their accumulated, specialized knowledge through seminar courses that encourage independent and cooperative learning. (DPA, DPB)
- (3) Students acquire comprehensive skills in foreign languages, career development, data science and other areas necessary for practical application in society through courses shared throughout the graduate school. In addition, a minor program is offered to broaden students' perspectives across disciplines. (DPC)
- (4) Students acquire the research methods needed to approach various problems in comparative sociocultural studies through Special Research. Based on their own research interests, they set a research topic, collect, organize and analyze materials, complete a master's thesis that presents a certain conclusion, and submit it for review. (DPA, DPB)
- (5) The syllabus for each course clearly states course content and achievement objectives so that students can proceed with their studies and research with an appropriate course plan and a clear research plan. Appropriate research guidance regarding research plans is also provided. (DPA, DPB)

## **3. Courses**

### **(1) Department of Japanese Language and Literature**

The Department of Japanese Language and Literature helps students acquire authentic research methods in Japanese literature from each period, from ancient to contemporary times—as well as the history and structure of the Japanese language—through lectures, seminars and special research, based on the knowledge they acquire during their undergraduate studies.

### **(2) Department of Asian Languages, Literatures, and Cultures**

The Department of Asian Languages, Literatures, and Cultures will develop human resources who are able to conduct a wide range of research on Asia, on a foundation of learning methods for research that targets language and literature in mainland China, Taiwan, Hong Kong, East Asia, and other Chinese-speaking regions through lectures, seminars and special research.

### **(3) Department of English and French Languages, Literatures, and Cultures**

The Department of English and French Languages, Literatures, and Cultures will help students further improve the French and English language skills they acquired in their undergraduate studies and reach a high level of proficiency, while at the same time enabling them to gain the ability to accurately understand and communicate scholarly thought through lectures, seminars and special research.

### **(4) Department of Japanese as a Second Language Education**

The Department of Japanese as a Second Language Education will offer lectures, seminars and special research to develop Japanese language education specialists in the global society who understand learners who come from diverse linguistic and cultural backgrounds, and who know the language learning theories and methods and have the specialization and ability to put things into action that are the foundation for improving the communication skills of language learners.

### **(5) Department of Philosophy**

The Department of Philosophy will help students gain specialized and systematic knowledge of philosophy and ethics, understand the diversity of ways of thinking, and expand the possibilities of their thought, as well as develop the ability to think theoretically and flexibly, while taking into consideration the concrete issues faced by contemporary society through lectures, seminars and special research.

### **(6) Department of History and Art History**

The Department of History and Art History will foster the ability to logically and creatively clarify the politico-economic and socio-cultural problems faced by Japan, Europe, and Asia, by helping students learn the historiographical techniques that will be the foundation for comprehension of diverse historical materials through lectures, seminars and special research. In addition, students will learn art history research methods through high-level experience, in an aim to foster their ability to interpret visual culture critically. Deep expertise and a wide range of learning and knowledge to support it are required in both the study of history and the study of art history.

#### **(7) Department of Cultural and Historical Studies**

The Department of Cultural and Historical Studies will offer lectures, seminars and special research to help students acquire a broad range of learning and a wide perspective on life and culture, as well as specialized knowledge and the ability to conduct creative analysis, and will foster the ability to communicate cultural and historical theory both in Japan and abroad as the path to understanding humans, through the utilization of the techniques of comparative cultural theory, ethnology, and historiography to conduct multifaceted research on the culture and history that are the context for the clothing, housing, crafts, design, and other elements of the formation of daily life.

#### **(8) Department of Dance**

The Department of Dance will offer lectures, seminars and special research to foster the high-level specialized skills that are needed to theoretically analyze dance, sports, and other types of artistic expression, and develop rich and varied interdisciplinary research capabilities that are based on a wide range of learning and the implementation of artistic expression.

#### **(9) Department of Music**

The Department of Music will offer lectures, seminars and special research to foster the ability to theoretically analyze and implement music, aim to help students get a sense of being “on site,” and develop human resources who have a broad range of learning related to music.

### **Division of Human Developmental Sciences Curriculum Formulation and Implementation Policy**

#### **1. Division of Human Developmental Sciences Curriculum Formulation and Implementation Policy**

The curriculum consists of lectures, seminars and other types of courses as well as special research in accordance with the characteristics of the various fields of human developmental sciences to comprehensively pursue human development from a specialized yet interdisciplinary perspective.

#### **2. Course Contents and Method**

- (1) Students acquire specialized knowledge through basic and advanced lecture courses in each field of human developmental sciences. (DPA)
- (2) Students deepen their accumulated, specialized knowledge through seminar courses that encourage independent and cooperative learning. (DPA, DPB)
- (3) Students acquire comprehensive skills in foreign languages, career development, data science and other areas necessary for practical application in society through courses shared throughout the graduate school. In addition, a minor program is offered to broaden students' perspectives across disciplines. (DPC)
- (4) Students acquire the research methods needed to approach various problems in human developmental sciences through Special Research. Based on their own research interests, they set a research topic, collect, organize and analyze materials, complete a master's thesis that presents a certain conclusion, and submit it for review. (DPA, DPB)
- (5) The syllabus for each course clearly states course content and achievement objectives so that students can proceed with their studies and research with an appropriate course plan and a clear research plan. Appropriate research guidance regarding research plans is also provided. (DPA, DPB)

#### **3. Academic Evaluation Method**

Students are evaluated based on the following. For lecture courses, the level of achievement is determined through written examinations, reports, class participation, etc. For seminars and practical training, the level of achievement is determined through presentations, written examinations, reports, class participation, practical training results, etc.

## **4. Courses**

### **(1) Department of Educational Sciences**

The Department of Educational Sciences develops individuals who advance to doctoral programs to study the processes of development and education throughout human life in a scientific manner through various research methodologies. The latter include educational thought, educational history, educational sociology, educational methodology/curriculum theory, educational development theory, educational psychology and special needs education theory. The curriculum also incorporates lectures, seminars and special research. The department also develops individuals who become high-level specialized professionals capable of contributing to the resolution of educational problems.

### **(2) Department of Psychology**

The Department of Psychology will offer lectures, seminars and special research to help students gain the ability to conduct empirical research in psychology, as well as the ability to take a multidimensional and comprehensive approach to the basics and problems of human psychology, and will develop human resources who can engage in professions that require a high level of specialization in psychology.

### **(3) Department of Developmental and Clinical Psychology**

The Department of Developmental and Clinical Psychology helps students develop the basic capabilities required to conduct research in developmental clinical psychology through lectures, seminars and special research. The curriculum fosters the ability to address human clinical psychology and developmental problems in the home as well as in educational, medical, welfare, judiciary, industrial and other fields in a specialized manner. The Foundation of the Japanese Certification Board for Clinical Psychologists has designated the department as a Class 1 school as well as a certified public psychologist training institute, with a curriculum necessary for certification.

### **(4) Department of Applied Sociology**

The Department of Applied Sociology fosters basic research skills in sociology through required coursework, as well as instilling the ability to use sociological methods to solve social issues related to family, community, disparity and exclusion, law, communication, welfare, etc. from an interdisciplinary perspective through lectures and seminars (including courses required for advanced social researcher certification) and special research. The department develops individuals who can contribute to resolving these issues by conducting academic research activities and/or working as highly specialized professionals.

### **(5) Department of Child Studies**

The Department of Child Studies provides lectures, seminars and special research to develop talented people with an interdisciplinary perspective, including childcare studies, education, psychology, sociology, history, etc. This includes researchers in the field of childcare and pedagogy, practitioners who have the perspective of a researcher and provide effective support at homes as well as childcare/educational sites, and individuals who research these ideal support systems.

## **Division of Gender and Social Sciences Curriculum Formulation and Implementation Policy**

### **1. Division of Gender and Social Sciences Curriculum Formulation and Implementation Policy**

To explore research that links social sciences and other fields and gender perspectives from both specialized and interdisciplinary perspectives, the curriculum consists of lectures, seminars and other courses, as well as special research, in accordance with the characteristics of the various fields that gender and social sciences cover.

### **2. Course Contents and Method**

- (1) Students acquire specialized knowledge through basic and advanced lecture courses in each field of gender and social sciences. (DPA)
- (2) Students deepen their accumulated, specialized knowledge through seminar courses that encourage independent and cooperative learning. (DPA, DPB)
- (3) Students acquire comprehensive skills in foreign languages, career development, data science and other areas

necessary for practical application in society through courses shared throughout the graduate school. In addition, a minor program is offered to broaden students' perspectives across disciplines. (DPC)

- (4) Students acquire the research methods needed to approach various problems in gender and social sciences through Special Research. Based on their own research interests, they set a research topic, collect, organize and analyze materials, complete a master's thesis that presents a certain conclusion, and submit it for review. (DPA, DPB)
- (5) The syllabus for each course clearly states course content and achievement objectives so that students can proceed with their studies and research with an appropriate course plan and a clear research plan. Appropriate research guidance regarding research plans is also provided. (DPA, DPB)

### **Division of Life Sciences Curriculum Formulation and Implementation Policy**

1. The master's program curriculum of each division and department is formulated to provide an education that allow students to develop the skills and knowledge they acquired during their undergraduate studies, gain deep and detailed knowledge from a broad perspective in the context of the University's diverse, interdisciplinary academic research, and develop the ability to engage in research in the field of specialty or the advanced skills needed for jobs, etc., that require a high level of specialization. (DPA, DPB)
2. Our graduate school designs and implements a curriculum that is characterized by its interdisciplinary nature and fusion of the humanities and sciences without being restricted by existing areas of specialty, to enable students to position their own research from a broad perspective. Furthermore, our graduate school implements research that takes on the challenge of knowledge creation, which expands profusely while standing on a foundation of high expertise through a guidance structure consisting of multiple faculty members, minor programs and even partnerships between universities. (DPB, DPC)
3. By emphasizing internationality and designing a curriculum that partners proactively with overseas research institutes, we will provide opportunities to come into contact with the results of leading research, while at the same time fostering the ability to be active in the international community that promotes interdisciplinary research on a foundation of multicultural mutual understanding. (DPA, DPC)

### **Couses**

#### **(1) Department of Biological Sciences**

Currently, understanding and applying biological science is viewed as necessary learning and a required technique in all facets of human society. The Department of Biological Science develops highly skilled professionals who will engage in research and development to meet that need. To accomplish this, the Department will help students learn a wide range of science and technology, extending to biotechnology, while conducting basic research targeting all living things to answer the question of what it means to be alive. In addition, the Department aims to develop human resources who can be active in the elementary and secondary science education and scientific communication fields. Based on the aforementioned point of view, students refine their understanding of life sciences acquired during undergraduate studies and gain specialized and practical skills through lectures, seminars, and course subjects for writing a master's thesis, as well as special research.

#### **(2) Department of Food and Nutritional Sciences**

The purpose of the Department of Food and Nutritional Sciences will be to build a wholesome dietary life and analyze and resolve the issues of food-related illness and food safety, etc., in areas extending from basic research to applied development related to food and nutrition. In addition, the Department will develop researchers and developers for food companies, national registered dietitian leaders, and other "food specialists" who are able to handle everything from basic research on food and nutrition to applied development and clinical approaches. Based on the aforementioned point of view, we will design and implement departmental courses focused on master's thesis advisement.

#### **(3) Department of Genetic Counseling**

The Department of Genetic Counseling will develop professionals who understand the medical and psychological impact, as well as the impact on the family, of the genetic implications of diseases at healthcare sites, who are able to conduct genetic counseling to support adaptation, and who have a high level of expertise. In addition, students will learn the fundamentals needed to conduct "genetic counseling research to clarify evidence" required for implementation of that knowledge and skills. To obtain certification as a certified genetic counselor, applicants are required to achieve designated goals in knowledge, skills and mindset, and the curriculum is designed to conform

to the requirements needed to qualify as a certified genetic counselor.

1. Students must strive to learn about the fields that make up genetic counseling—genetic medicine, medical science, life science, psychology, medical sociology, and ethics—with the goal of becoming a medical professional.
2. Students participate in problem-solving seminars related to genetic counseling, acquire the ability to collect information, integrate knowledge, understand and support clients, and to express the knowledge, skills, and attitudes necessary for practicing genetic counseling.
3. Students participate in clinical training in hospitals to cultivate the proper mindset as a medical professional who is aware of the importance of self-learning and lifelong learning, and to improve their thinking, judgment and communication skills in genetic counseling.
4. Students gain an understanding of educational support and awareness-raising activities for medical professionals, including genetic counselors, and general society through seminars and clinical practice.
5. Students acquire logical scientific thinking and science writing skills, study the fundamentals of genetic counseling research, and learn the importance of self-study by writing a master's thesis.

## **Division of Advanced Sciences Curriculum Formulation and Implementation Policy**

### **1. Division of Advanced Sciences Curriculum Formulation and Implementation Policy**

The curriculum consists of lectures, seminars and other courses as well as special research in accordance with the characteristics of the various fields of science so that students can pursue science from a specialized yet interdisciplinary perspective.

### **2. Course Contents and Method**

- (1) Students acquire specialized knowledge through basic and advanced lecture courses in each field of science. (DPA)
- (2) Students deepen their accumulated, specialized knowledge through seminar courses that encourage independent and cooperative learning. (DPA, DPB)
- (3) Students acquire comprehensive skills in foreign languages, career development, data science and other areas necessary for practical application in society through courses shared throughout the graduate school. In addition, a minor program is offered to broaden students' perspectives across disciplines. (DPC)
- (4) Students acquire the research methods needed to approach various problems in science through Special Research. Based on their own research interests, they set a research topic, collect, organize and analyze materials, complete a master's thesis that presents a certain conclusion, and submit it for review. (DPA, DPB)
- (5) The syllabus for each course clearly states course content and achievement objectives so that students can proceed with their studies and research with an appropriate course plan and a clear research plan. Appropriate research guidance regarding research plans is also provided. (DPA, DPB)

### **3. Courses**

#### **(1) Department of Mathematics**

Students develop logical problem-solving skills through taking lectures and seminars, conduct special research to enhance their expertise in the respective fields of analysis, geometry, and algebra, and cultivate a diverse understanding of other fields. They also acquire the ability to research problems and identify and organize the core elements of those problems.

#### **(2) Department of Physics**

Students acquire cutting-edge specialized knowledge and research techniques that cover a wide range, including space, elementary particles, condensed matter theory and condensed matter experiments through lectures, seminars and special research.

#### **(3) Department of Chemistry and Biochemistry**

Students acquire the basic and advanced knowledge and research techniques required in the fields of chemistry and biochemistry through lectures, seminars and special research.

#### **(4) Department of Computer Science**

Based on the foundation of the basic scientific systems they learned during their undergraduate studies, students acquire the abilities needed to grow as independent researchers and/or highly skilled professionals in the field of information science through frequent lectures, seminars and special research that deepen their knowledge of basic theories and techniques of information science.

### **Division of Cooperative Major in Human Centered Engineering Curriculum Formulation and Implementation Policy**

The following curriculum shall be formulated to cultivate the ability to make concrete proposals of measures in the field of human-centered engineering to improve the living environment and enhance lives. This major is a Cooperative Major in Human Centered Engineering held in partnership with Graduate School of Humanities and Sciences, Nara Women's University. Hereinafter, the universities will be referred to as "the student's university" (Ochanomizu University) and "the partner university" (Nara Women's University). Students can also take cooperative major courses at the partner university. A requirement of the Cooperative Major is to acquire ten or more credits in courses at the partner university.

- Students shall learn techniques to find and resolve research issues in this field of study, and cultivate the ability to establish, resolve, and evaluate issues, in order to approach the various issues related to daily living flexibly from the consumer's perspective. (DPA)
- In addition to cultivating the ability to acquire and apply the theories and knowledge in engineering required to resolve issues related to daily living, students shall recognize the importance of collaboration with other fields of study, and learn techniques for mutually matching lifestyle/environment and scientific technology. (DPA, DPB)
- Students shall gain an awareness of their own ethical responsibilities as a researcher/technician, and acquire a compliance mindset to contribute to the development of society through excellent research outcomes. (DPA, DPB)
- Students shall write a thesis/dissertation under a multiple-advisor system that includes the main advisor and secondary advisors. Through creation of a thesis/dissertation, students shall also cultivate the ability to implement research, the ability to make judgments related to the adequacy of research, and the ability to conduct a literature search, etc. (DPA, DPB)

### **Doctoral Program Curriculum Formulation and Implementation Policy**

#### **Division of Comparative Studies of Societies and Cultures Curriculum Formulation and Implementation Policy**

1. To acquire advanced, specialized knowledge and the abilities needed to engage in specialized work, as well as the ability to work in a cross-disciplinary and comprehensive manner, students take lectures, seminars and courses shared throughout the graduate school based on their own research plans, report their research developments to their advisors, and receive guidance on their dissertations. Students must prepare a dissertation in accordance with the dissertation submission requirements their division specifies. (DPA, DPB, DPC)
2. Based on the education and research from their master's program, students deepen their specialized knowledge through lectures and seminar courses and cultivate creative abilities across disciplines through opportunities for research and research presentations in Japan and abroad. (DPA, DPB)

#### **(1) Department of Japanese Studies in a Global Perspective**

Through lectures and seminar courses, research and thesis guidance, and the assignment and review of dissertations, the Department of Japanese Studies in a Global Perspective develops talented people who advance Japanese studies from an international perspective and communicate Japanese studies to the world as a comprehensive study of literature, linguistics, language education, archaeology, philosophy, culture and body theory. The Department helps students conduct advanced research in each area of specialization, as well as obtain comprehensive knowledge based on interdisciplinary interests that take specialization into consideration, and develop the ability to actively engage in research exchange.

#### **(2) Department of Language, Literature, and Culture**

Through lectures and seminar courses, research and thesis guidance, and the assignment and review of

dissertations, the Department of Language, Literature, and Culture will develop human resources who research the literature/cultural representation and critical theory of the Chinese, English, French, and German-speaking world, promote research and education on language learning theory, including linguistics and Japanese language education, and deepen their specialized knowledge of the literatures and languages of each country, while at the same time fostering a cross-disciplinary research perspective, and developing individuals who will proactively develop and recommend contemporary cultural and critical functions that utilize the medium of language, from the aspect of international cooperation as well.

### **(3) Department of Comparative Social Studies**

Through lectures and seminar courses, research and thesis guidance, and the assignment and review of dissertations, the Department of Comparative Social Studies will strive to develop human resources who promote mutually cross-comparative research on Japan, Asia, Europe, North America, and Islamic regions, focusing on aspects stretching from philosophical thought and history to sports, and while taking into consideration the philosophy and history of the past, contribute to the formation of the new humanities that contemporary society demands, and aspire to the achievement of liberty and equality. The Department will help students conduct advanced research in each area of specialization, as well as to obtain comprehensive knowledge based on interdisciplinary interests that take specialization into consideration, and develop the ability to actively engage in research exchange.

### **(4) Department of Arts and Representational Studies**

Focusing mainly on art, craftwork, clothing, dance, music, and museology, the Department of Arts and Representational Studies will foster the ability to analyze and research cultural representation and expression from multiple perspectives and in a specialized, cross-disciplinary, and critical manner, while striving to integrate theory and practice in the case of dance and music through lectures and seminar courses, research and thesis guidance, and the assignment and review of dissertations. The Department will develop human resources who have a wide range of knowledge regarding representational art, specialized knowledge, and the ability to conduct creative analysis, and who are motivated to recommend critical art theory to society as a medium for human understanding and international cooperation.

## **Division of Human Developmental Sciences Curriculum Formulation and Implementation Policy**

1. Based on the education and research from their master's program, students deepen their specialized knowledge through lectures and seminar courses and cultivate creative abilities across disciplines through opportunities for research and research presentations in Japan and abroad. (DPA, DPB)
2. Students take lectures, seminars and courses shared throughout the graduate school based on their own research plans, report their research developments to their advisors, and receive guidance on their dissertations. Students must prepare a dissertation in accordance with the dissertation submission requirements their division specifies. (DPA, DPB, DPC)
3. Students are evaluated based on the following. For lecture courses, the level of achievement is determined through written examinations, reports, class participation, etc. For seminar courses, etc., the level of achievement is determined through presentations, written examinations, reports, class participation, etc. Evaluations for research reports (basic), research reports (advanced), and dissertation guidance are based on class participation and the research report form.

### **(1) Department of Educational Science**

The Department of Educational Sciences will develop female researchers who are able to utilize educational thought, education history, educational sociology, educational method/curriculum theory, educational development theory, life-long education, and a variety of other methodologies to study the processes of development and education throughout human life in a scientific manner. The department also provides courses of lectures and seminars, research and thesis guidance, and the assignment and review of dissertations to help students acquire the research capabilities required to work independently as specialized researchers and the ability to function as highly skilled professionals who will take leadership roles.

### **(2) Department of Psychology**

Through lectures and seminar courses, research and thesis guidance, and the assignment and review of dissertations, the Department of Psychology will help students gain the ability to conduct advanced research in



psychology, as well as the ability to take a multidimensional and comprehensive approach to analyzing the basics and problems of human psychology, and will develop human resources who can present research issues and promote solutions for them as independent researchers.

### **(3) Department of Developmental and Clinical Psychology**

The Department of Developmental and Clinical Psychology develops the abilities of students to address clinical psychology and developmental problems in the home and in the educational, medical, welfare, judiciary, industrial and other fields in a specialized manner. The curriculum consists of lectures and seminar courses, research and thesis guidance, and the assignment and review of dissertations designed to foster the high-level research capabilities required to conduct research in developmental psychology.

### **(4) Department of Sociology and Social Policy**

Through lectures and seminar courses, research and thesis guidance, and the assignment and review of dissertations, the Department of Sociology and Social Policy will help students gain the ability to conduct advanced research that will enable them to take a global perspective and clarify the various problems of society, including public policy issues, with an academic foundation of the social sciences including economics and law, with a focus on sociology, and will develop human resources who will take a leading role in solving societal problems through independent and creative research activities as researchers, or through professional activities with a high level of specialization.

### **(5) Department of Child and Child Care Studies**

The Department of Child and Child Care Studies provides lectures and seminar courses, research and thesis guidance, and the assignment and review of dissertations to develop researchers and practitioners with a high level of specialized knowledge and the ability to implement their ideas. These individuals also develop the ability to analyze, understand and solve problems from various perspectives, including individual development and psychology, the nature of interactions in the field, and the social and historical context in which a problem takes place from an interdisciplinary perspective of childcare studies, education, psychology, sociology, history and other fields.

## **Division of Interdisciplinary Gender Studies Curriculum Formulation and Implementation Policy**

### **(1) Department of Gender Studies**

1. The Department of Gender Studies fosters the advanced, specialized knowledge and research skills based on international and interdisciplinary knowledge that students need to become independent researchers based on gender studies and/or to engage in highly specialized professions. Students take lectures and seminar courses as well as courses shared throughout the graduate school based on a step-by-step study and research plan tailored to their research theme, and conduct research with a focus on gender perspectives. Students deepen their research under the guidance of advisors and focus on advanced gender issues beyond academic disciplines. They are also required to prepare a dissertation in accordance with the dissertation submission requirements specified by the division. (DPA, DPB, DPC)
2. Based on the education and research students go through in the master's program, the program deepens specialized knowledge through lectures and seminar courses, and cultivates creative abilities across disciplines. Students will be expected to produce results according to plan through conference presentations, submission of journal articles, and participation in research activities both inside and outside the university, etc. (DPA, DPB)

## **Division of Life Sciences Curriculum Formulation and Implementation Policy**

1. The curriculum of each division and department are formulated to provide education that allow students to develop creative abilities that are required to conduct high-level specialized education and interdisciplinary research that serves as the foundation of the areas of specialty, the research capabilities required to conduct research activities independently or engage in other high-level specialized work, and the wealth of knowledge that will serve as a foundation for those abilities. (DPA, DPB)
2. The division designs and implements a curriculum characterized by its interdisciplinary nature that is not restricted by existing areas of specialization, enabling students to position their own research from a broad

perspective. Furthermore, the division helps students carry out research that takes on the challenge of knowledge creation, which expands freely from a foundation of high expertise through its guidance structure. The latter consists of multiple teaching staff members, minor programs, and partnerships between universities. (DPB, DPC)

3. By emphasizing internationality and designing a curriculum that partners proactively with overseas research institutes, we will provide opportunities to come into contact with the results of leading research, while at the same time fostering the ability to be active in the international community that promotes interdisciplinary research on a foundation of multicultural mutual understanding. (DPA, DPC)
4. Students will be required to establish research topics related to the life sciences, execute research plans, and present research results. Accordingly, the Division will foster the ability to conduct original and highly advanced research, assess the adequacy of research, conduct literature searches, and present their findings, etc.

### **(1) Department of Biological Sciences**

The Department of Biological Sciences offers lectures and seminar courses, research and thesis guidance, and assigns and reviews dissertations to train researchers and developers who will take the lead in pioneering the biological sciences, which will have significant impact on the future of humankind. The ideal image of such human resources is a leader who is able to conduct research and development independently in leading areas, and serve as a team leader who can convert the team's mission into tangible form. To foster such characteristics, the Department will design a curriculum that enables students to engage in discussions with their advisors on a daily basis, receive guidance from teaching staff in other related fields, and actively participate in workshops, etc., outside the university. In addition, the purpose of the Department is to develop human resources who can take a pace-setting role not only in research, but in education as well.

### **(2) Department of Food and Nutritional Sciences**

The purpose of the Department of Food and Nutritional Sciences will be to build a wholesome dietary life and analyze and resolve the issues of food-related illness and food safety, etc., in areas extending from basic research to applied development related to food. The Department will develop researchers for universities and public research organizations, national registered dietitian leaders, dietitians, national registered dietitian training institute instructors, and other "food specialists" who are able to handle everything from basic research on food and nutrition to applied development and clinical approaches. Based on the aforementioned point of view, we will design and implement courses focused on doctoral dissertation advisement.

### **(3) Department of Genetic Counseling**

The department's curriculum is designed to cultivate leaders with the advanced knowledge, practical skills and reflective mindset needed to practice genetic counseling—psychosocial support for people with genetic problems—as well as leadership skills required of researchers.

- (a) Students acquire logical thinking skills and advanced problem-solving abilities through interactive lectures and seminars on social, medical and practical issues related to genetic counseling.
- (b) Students acquire logical scientific thinking and science writing skills, along with the capability to lead genetic counseling research by writing a doctoral dissertation.

## **Division of Advanced Sciences Curriculum Formulation and Implementation Policy**

The purpose of the Division of Advanced Sciences is to help students engage in advanced research in the fields of mathematics, physical science, chemistry, biological chemistry, and information sciences, on the foundation of the scientific research methods learned in the master's program, earn a doctorate, and grow as independent researchers, technicians, or highly skilled professionals. To achieve this, the Division has developed a curriculum that consists of special studies, dissertation advisement, and research guidance, in accordance with the characteristics of each field.

### **(1) Department of Mathematics**

Students acquire systematic knowledge and research methods on advanced topics in the field, and develop the research skills needed to devise new research themes and solve problems in the field through lectures and seminar courses, research and thesis guidance, and the writing and review of dissertations.

### **(2) Department of Physics**

Students acquire systematic knowledge and research methods on advanced topics in their specialized field, and develop the research skills needed to devise new research themes in that field and solve problems through lectures and seminar courses on cutting-edge physics, research and thesis guidance, and the writing and review of dissertations.

### **(3) Department of Chemistry and Biochemistry**

Students acquire systematic knowledge and research methods on advanced topics in their specialized field, and develop research skills needed to devise new research themes in the field of chemistry and solve problems through lectures and seminar courses on cutting-edge chemistry, research and thesis guidance, and the writing and review of dissertations.

### **(4) Department of Computer Science**

Students acquire systematic knowledge and research methods on advanced topics in the field of computer science and develop research skills needed to devise new research themes and solve problems through lectures and seminar courses on cutting-edge computer science, research and thesis guidance, and the writing and review of dissertations.

## **Division of Cooperative Major in Human Centered Engineering Curriculum Formulation and Implementation Policy**

Students shall cultivate the ability to make concrete proposals of measures in the field of human-centered engineering to improve the human living environment and enhance lives. The following curriculum focused on doctoral dissertation advising shall be formulated and implemented in order to cultivate the creative abilities required to resolve practical issues, as well as to develop self-reliant researchers, through this developing the ability to conduct academic research. This major is a Cooperative Major in Human Centered Engineering held in partnership with Graduate School of Humanities and Sciences, Nara Women's University. Hereinafter, the universities will be referred to as "the student's university" (Ochanomizu University) and "the partner university" (Nara Women's University). Students can also take cooperative major courses at the partner university.

- Students shall learn techniques to find and resolve research issues in this field of study, and cultivate the solid ability to establish, resolve, and evaluate issues, in order to approach the various issues related to daily living flexibly from the consumer's perspective. (DPA)
- In addition to cultivating the ability to acquire and apply the theories and knowledge in engineering required to resolve issues related to daily living, students shall deeply recognize the importance and necessity of collaboration with other fields of study, and thoroughly learn techniques for mutually matching lifestyle/environment and scientific technology. (DPA, DPB)
- Students shall gain an awareness of their own ethical responsibilities as a researcher/technician, and acquire a compliance mindset to contribute to the development of society through excellent research outcomes. (DPA, DPB)
- Students shall write a thesis/dissertation under a multiple-advisor system that includes the main advisor and secondary advisors. Through creation of a thesis/dissertation, students shall also cultivate the ability to implement highly creative and innovative advanced research, the ability to make judgments related to the adequacy of research, the ability to conduct a literature search, and the ability to make presentations, etc. (DPA, DPB)