English-Taught Courses List (Graduate School of Agriculture) **As of May 2026**

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Code	Course title	Semester	Quarter	Main Instructor	Course description
05CE0204	Field and Laboratory Safety and Research Ethics Ⅱ	Fall Semester	3rd Quarter	MATSUMOTO Takeshi	Students will understand basic concepts and framework of research ethics. Then students think about the subjects of research ethics related to agriculture sciences. Then student will be able to organize the issues for ethics related to their special subjects of master thesis. In the second half of this class, student will understand the principle for safety operation and risk management of the in laboratory experiment and fields works. Student will learn about practical handling of laboratory instruments and analytical instruments. Then student will also have knowledge about safety management in the field.
05CE0206	Exercise for Spatial Information Analysis	Fall Semester	3rd Quarter	YOSHIMURA Mitsunori	The purpose of this course is to understand Remote Sensing and to consider how to utilize Remote Sensing to your own research fields. Through lectures and actual data analysis practice, participants would also gain a deep understanding of the significance and role of spatial information analysis technology, basic principles of map projection, coordinate systems, numerical terrain models, spatial information analysis methods, and simulation methods.
05CE0210	International Research Presentation Ⅱ	Spring Semester	ONE-YEAR	WATANABE Makoto	A midterm presentation to compile the results of Special Research in Agricultural Science and Research Expansion in Agricultural Science into a master's thesis. It will be an opportunity to understand the background of the research, confirm the research policy and the results so far through the presentation and question-and-answer session summarizing the results of the previous research, and review the direction of the subsequent research. In addition, students learn presentation methods by listening to others' presentations, develop scientific discussion skills through question-and-answer sessions, and acquire a wide range of knowledge inside and outside the field of specialization. This is a common exercise to acquire basic knowledge in agriculture and related fields.
05CE0211	Exercise for Agricultural Science Ⅰ	Fall Semester	ACROSS ACADEMIC YEAR	OKAZAKI Shin	Students will learn basic and applied research topics in agricultural science and related fields, focusing on perspectives such as food, environment, health, and biotechnology. In particular, students will learn advanced techniques in the fields of biological production science and symbiotic society, such as food production, breeding, soil and field improvement, and agricultural policy and promotion, through experiments and practical training in the laboratory and field.
05CE0212	Exercise for Agricultural Science Ⅱ	Fall Semester	ACROSS ACADEMIC YEAR	OKAZAKI Shin	Students will learn basic and applied research topics in agricultural science and related fields, focusing on perspectives such as food, environment, health, and biotechnology. In particular, students will learn advanced techniques in the fields of biological production science and symbiotic society, such as food production, breeding, soil and field improvement, and agricultural policy and promotion, through experiments and practical training in the laboratory and field.
05CE0213	Exercise for Agricultural Science Ⅲ	Fall Semester	ACROSS ACADEMIC YEAR	OKAZAKI Shin	Students will learn basic and applied research topics in agricultural science and related fields, focusing on perspectives such as food, environment, health, and biotechnology. In particular, students will learn advanced techniques in the fields of biological production science and symbiotic society, such as food production, breeding, soil and field improvement, and agricultural policy and promotion, through experiments and practical training in the laboratory and field.
05CE0214	Exercise for Agricultural Science Ⅳ	Fall Semester	ACROSS ACADEMIC YEAR	OKAZAKI Shin	Students will learn basic and applied research topics in agricultural science and related fields, focusing on perspectives such as food, environment, health, and biotechnology. In particular, students will learn advanced techniques in the fields of biological production science and symbiotic society, such as food production, breeding, soil and field improvement, and agricultural policy and promotion, through experiments and practical training in the laboratory and field.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05CE0215	Exercise for Agricultural Science V	Fall Semester	ACROSS ACADEMIC YEAR	OKAZAKI Shin	Students will learn basic and applied research topics in agricultural science and related fields, focusing on perspectives such as food, environment, health, and biotechnology. In particular, students will learn advanced techniques in the fields of biological production science and symbiotic society, such as food production, breeding, soil and field improvement, and agricultural policy and promotion, through experiments and practical training in the laboratory and field.

English-Taught Courses List (Graduate School of Agriculture) **As of May 2026**

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05CF0115	Special lecture for 21st century's agriculture science	Spring Semester	1st Quarter	SUGIHARA Sou	Agriculture and its related fields have an important role in the stable supply of food, land conservation, and local economy. But there are common problems to be solved in the world, such as decrease and aging of people involved in agriculture, forestry and fisheries, difficulty in the maintenance of ecosystem management and the agricultural infrastructure under a variable environment. On the other hand, the change of lifestyle, the expansion of the world food market, and the change in the agricultural field are opportunities to realize new agricultural innovations. In this lecture, while specializing in agriculture and related fields, we introduce the latest research cases that have evolved from the horizontal development of these researches.
05CF0116	Multicultural communication and transmission	Fall Semester	3rd Quarter	HORIKIRI Yukiko	Acquire the knowledge and skills required as a member of an international joint research project in a global society that includes diversity. Students will learn about the actual situation of international joint research through its background, related factors, and examples of researchers and coordinators including following abilities. 1. Understanding the background and structure of international joint research projects 2. Understanding the factors involved in coordinating within a project team, including diversity 3. Coordination and communication skills required as a researcher 4. Ability to build relationships including diversity and to coordinate problems
05CF0118	Arts of Intercultural Communication	Spring Semester	1st Quarter	KOIKE Shinsuke	This lecture “Understanding Societies and Cultures in Foreign Regions, with a focus on Asia and Africa” is a series of lectures co-taught by faculty members from Tokyo University of Foreign Studies. Designed for students who anticipate interacting with local communities while conducting research or development assistance in developing and emerging countries, this lecture provides an overview of the current conditions, languages, cultures, customs, histories and religions across various regions in Asia and Africa. Furthermore, it aims to equip students with the necessary knowledge and know-how to navigate intercultural communication and foster mutual understanding through discussions held in both Japanese and English. The course follows a bi-weekly structure: each topic begins with a lecture in the first week, followed by a student-led discussion in the second week. (Please note that lectures on Japan and Oceania will consist of a single lecture session only, with no subsequent discussion.)
05CF0119	Advanced lecture on Agriculture Science I	Fall Semester	3rd Quarter	MARU Takeshi	This course aims to acquire basic and applied knowledge in the field of agriculture and environment as well as related scientific fields. For this reason, we invite guest visiting professors around the world for the lecture on the latest topics.
05CF0120	Advanced lecture on Agriculture Science II	Spring Semester	1st Quarter	KATSURA Keisuke	Prof. Keisuke KATSURA from Kyoto University will discuss the issues, challenges, technology development, and dissemination of crop production under global environmental changes, especially in developing countries, focusing on rice production, based on crop ecophysiology. The course includes lectures, questions & answers, group discussions, oral presentations by students. This intensive course is one of the General Study Subjects for Graduate School of Agriculture. In 2026, this intensive course will be held over three days from Wednesday, September 2nd to Friday, September 4th.

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Code	Course title	Semester	Quarter	Main Instructor	Course description
05CF0121	Japanese Ⅰ	Fall Semester	3rd Quarter	ITO Natsumi	This course is designed for students with little or no experience studying Japanese. It helps learners acquire basic communication skills needed in Japanese academic life during their stay in Japan. The participants are also expected to gain general knowledge of Japan and develop skills for further study in Japanese. The course includes group work and activities to share thoughts and experiences in Japanese.

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Code	Course title	Semester	Quarter	Main Instructor	Course description
05CF0122	Japanese Ⅱ	Spring Semester	1st Quarter	ITO Natsumi	This course is designed for students with little experience studying Japanese. It helps learners acquire basic communication skills needed in Japanese academic life during their stay in Japan. The students are also expected to gain general knowledge of Japan and develop skills for further study in Japanese. The course includes group work and activities to share their thoughts and experiences in Japanese.
05CF0150	Special Master's Lecture on Agriculture Ⅲ (Entrepreneurship Advanced)	Fall Semester	3rd Quarter	LIU SIMON JIAN HONG	In an era of rapid technological advancement and increasing societal complexity, researchers are expected not only to generate new knowledge but also to translate their research outcomes into tangible value for society. At the same time, global competition and technological change require researchers to develop an “ambidextrous” mindset, combining the ability to explore new research domains with the ability to deepen their expertise. This course is designed for graduate students in engineering, agriculture and life sciences to develop an entrepreneurial perspective and practical skills for transforming research outcomes into innovative business and social solutions. It also encourages students to view entrepreneurship to strengthen their research capabilities and discover opportunities for new interdisciplinary research areas. Through lectures, case discussions, group work, and guest talks by practitioners, students will learn the mindset, processes, and tools for entrepreneurial value creation. The course emphasizes interdisciplinary thinking, design thinking, business model development, and entrepreneurial finance, while examining how academic research can lead to innovation and venture opportunities. Students will collaborate with peers from diverse academic backgrounds and reconsider their research from the perspectives of innovation and societal impact. By integrating research and entrepreneurship as complementary drivers, the course aims to cultivate researchers who can advance new research frontiers while translating research into societal value.
05EP1104	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	TARAO Mitsunori	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. Then, outlines, arrangements, methodology, analysis, discussion based on their results will be conducted. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields under the guidance of the main supervisor.
05EP1109	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	WATANABE Makoto	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05EP1204	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	TARAO Mitsunori	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05EP1209	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	WATANABE Makoto	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05EP1304	Research expansion in Agricultural Science Ⅲ	Spring Semester	ONE-YEAR	TARAO Mitsunori	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. Then, outlines, arrangements, methodology, analysis, discussion based on their results will be conducted. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields under the guidance of the main supervisor.
05EP1309	Research expansion in Agricultural Science Ⅲ	Spring Semester	ONE-YEAR	WATANABE Makoto	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05EP1404	Research expansion in Agricultural Science Ⅳ	Spring Semester	ONE-YEAR	TARAO Mitsunori	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05EP1409	Research expansion in Agricultural Science Ⅳ	Spring Semester	ONE-YEAR	WATANABE Makoto	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP0001	International Environmental Rehabilitation and Conservation Ⅰ	Spring Semester	1st Quarter	KATO Tasuku	In this course, we will provide on solutions and adaptations to global-scale problems from the viewpoint of environmental conservation in the agricultural research field, focusing on paddy field engineering, hydrology, and water environment studies. The first half of the course is devoted to lectures on paddy field engineering from the viewpoint of water resources in relation to environment and agriculture, and the second half is devoted to lectures on basic global water cycle modeling.
05IP0002	International Environmental Rehabilitation and Conservation Ⅱ	Spring Semester	1st Quarter	BOULANGE JULIEN ERIC STANISLAS	Boulange: The objective of this course is to gain advanced knowledge and concepts related to climate change, how and why it is occurring and delve in some of its impacts. The first lectures introduce fundamental concepts and mechanisms of climate change. Then we move to pivotal impact studies, particularly focusing on floods, drought and water scarcity analyses. Nanko: The objective of this course is to understand the interaction between forests and the weather environment and to explore the mechanisms of environmental restoration and conservation from this perspective. Specifically, we will study the relationship between forests and water, soil conservation in forests, and the disaster mitigation function of forests in relation to wind and water damage, and consider sustainable management of the natural environment through these studies.

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05IP0003	International Biological Production and Resource Science Ⅰ	Spring Semester	1st Quarter	OIKAWA Yosei	Students will learn about the basics and current issues on sustainable production and utilization of biological resources. As with International Biological Production and Resource Science II, four faculty members of the Field of International Biological Production and Resource Science offer the lectures. This course (I) will cover somewhat introductory content within each faculty member's area of interest, and will also consider how the course relates to international society and economy, as well as our daily lives. This course is one of the Special Field Lectures in the Department of Agriculture (International Innovation Agriculture Course), and is given in English.
05IP0004	International Biological Production and Resource Science Ⅱ	Spring Semester	1st Quarter	OKAZAKI Shin	Students will learn about the latest case studies regarding the utilization of biological resources, particularly plant and microbial resources. As with International Biological Production and Resource Science I, four faculty members of the Field of International Biological Production and Resource Science resource offer this course (II). It will cover somewhat applied content within each faculty member's area of interest, and will also consider the challenges and possibilities of technological innovation in each field. This course is one of the Special Field Lectures courses in the Department of Agriculture (International Innovation Agriculture Course) and is provided in English.
05IP0005	International Life and Biological Chemistry Ⅰ	Spring Semester	1st Quarter	MIURA Yutaka	The basic knowledge and latest topics in biochemistry, physiology, biomaterial chemistry, plant biology, oraganic chemistry and food science fields are lectured
05IP0007	International Rural Development and Rural Area Ⅰ	Fall Semester	3rd Quarter	KAWABATA Yoshiko	The goal of this course is to understand fundamental theory and methods of international rural development and rural area. In this course, learn the international rural development and rural area. In this field multidisciplinary approaches are important. We introduce the relationships between rural development and environmental science. This course is offered in English.
05IP0008	International Rural Development and Rural Area Ⅱ	Fall Semester	3rd Quarter	YAMADA Masaaki	We aim to deepen participants' understanding on policies and project planning for sustainable agricultural and rural development, and how to disseminate technology, with reference to case studies in developing regions. Discuss the factors that influence development approach such as natural environment, available resources and population, and government and economy, and the outcomes and issues of development activities. Many of the participants are expected to have basic knowledge and experience on rural development, and to share and deepen their knowledge and insight through discussion and group projects. We also invite experts participating in our University's international contribution activities to give their special lectures. Finally, participants in groups will present their group projects on sustainable agricultural and rural development cooperation in class. Through this exercise, we will also examine the relations and differences between the development plan, and research plan taught in "International Environmental and Agricultural Science Communication Exercise".

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05IP0009	International Applied Animal Science Ⅰ	Spring Semester	1st Quarter	SATO Toshiyuki	This course covers a broad range of topics in international veterinary medicine and animal science, including fundamental behaviors and physiological processes related to animal survival and reproduction, as well as infectious diseases and cancer. Building on foundational knowledge in molecular biology and genetics, the course aims to deepen understanding of practical aspects of animal welfare, field research, and rapid diagnostic technologies for pathogens, as well as their applications to disease prevention and public health in diverse animal species, including humans. Through lectures and discussions, students will develop the ability to approach international challenges in animal science from multiple perspectives.
05IP0010	International Applied Animal Science Ⅱ	Fall Semester	3rd Quarter	TAKEMAE Hitoshi	Building on the knowledge of animal behavior and physiology, diseases and infectious diseases, and public health acquired in International Applied Animal Science I, this course explores a broad range of research fields from a One Health perspective. In addition to faculty members involved in veterinary education, the course also features advanced and interdisciplinary topics presented by external lecturers, aiming to explore new perspectives and potential applications in veterinary research. By introducing and discussing the latest research findings and international case studies, the course seeks to foster an understanding of the excitement of research and the significance of interdisciplinary approaches.
05IP0031	Special Lecture on International Innovative Agricultural Science Ⅰ	Fall Semester	3rd Quarter	OIKAWA Yosei	The objective of this class is to deepen the understanding of current status and issues in agriculture, agricultural and rural development, food and nutrition security, environmental conservation, poverty reduction, international cooperation, etc., through comparative review of case studies in Asia and Africa. The 3-day intensive is offered by Dr. Daigo MAKIHARA, International Center for Research and Education in Agriculture (ICREA), Nagoya University, and scheduled for late January or early February, 2027. This class is one of the special field subjects in International Innovative Agricultural Science Program (IP), Department of Agriculture.
05IP0112	Overview for International Innovative Agricultural Science Ⅰ	Spring Semester	1st Quarter	OIKAWA Yosei	This class consists of eight omnibus-style lectures to help students understand various issues related to agriculture, environmental science, life science, and applied animal science. Students will discuss problem identification and solutions for local, regional, and global topics in each specialized field. This is one of the General Study Subjects given in English.
05IP0113	Overview for International Innovative Agricultural Science Ⅱ	Fall Semester	3rd Quarter	OKAZAKI Shin	This class will provide the series of lectures for understanding various issues related to agriculture, environmental science, life science and applied animal sciences. Topics from local , regional to global scales will be discussed as identifications of problems and developing the solution. Lecture on omnibus forms on fundamental knowledge and techniques in each specialized areas such as agriculture, environmental studies, humanities sociology, life sciences, and applied zoology. We will deepen our knowledge of issues and solutions to problems around the world through issues such as lectures and group discussions.
05IP1009	Special Research in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	BOULANGE JULIEN ERIC STANISLAS	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. Then, outlines, arrangements, methodology, analysis, discussion based on their results will be conducted. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields under the guidance of the main supervisor.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05IP1019	Special Research in Agricultural Science II	Spring Semester	ONE-YEAR	BOULANGE JULIEN ERIC STANISLAS	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. Then, outlines, arrangements, methodology, analysis, discussion based on their results will be conducted. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields under the guidance of the main supervisor.
05IP1039	Special Exercise in Agricultural Science I	Spring Semester	ONE-YEAR	BOULANGE JULIEN ERIC STANISLAS	Students summarize the research results including the obtained information and data, and make figures and tables for developing their own interpretation of the data. If necessary, presentations will be made for their laboratory for discussing with academic advisors and other students.
05IP1049	Special exercise for Publication Review I	Spring Semester	ONE-YEAR	BOULANGE JULIEN ERIC STANISLAS	Students collect and analyze information from the latest researches on international environmental agricultural sciences from papers, textbooks, reports, web in both specialized and related fields. Based on the information, students obtain information for research trends, issues, analytical methods, results, validation of findings, and validity of interpretation. This processes make clear the novelty of research and train the logical thinking of students.
05IP1102	Research expansion in Agricultural Science I	Spring Semester	ONE-YEAR	ISHIHARA Kanako	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1108	Research expansion in Agricultural Science I	Spring Semester	ONE-YEAR	OIKAWA Yosei	This subject is the main part of master program. Students conduct fieldwork/experiments for obtaining related data and information to prepare master's thesis. This subject is offered by a sub-supervisor. While obtaining the thesis research results, students develop ability for performing scientific researches particularly related to their special fields.
05IP1112	Research expansion in Agricultural Science I	Spring Semester	ONE-YEAR	OKAZAKI Shin	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1114	Research expansion in Agricultural Science I	Spring Semester	ONE-YEAR	KATO Tasuku	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1116	Research expansion in Agricultural Science I	Spring Semester	ONE-YEAR	KAWABATA Yoshiko	This subject is the main part of master program. Students expand their knowledge and skills for strengthen their specific field and expanding the knowledge of fields related to the specific topics. This subject is planned and performed by sub-supervisor. At the same time for obtaining the research, students develop ability for performing researches and explain the findings for the specific fields and related areas.
05IP1123	Research expansion in Agricultural Science I	Spring Semester	ONE-YEAR	NIE Haisong	This subject is the main part of the master's program. Students perform gathering information, conducting laboratory experiments, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to prepare master's thesis. This subject is planned and performed by a sub-supervisor. At the same time as obtaining the research results, students develop the ability for performing research particularly related to their special fields.

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05IP1126	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	TANAKA Tomomi	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1127	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	TANAKA Ryo	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1129	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	HAMABE Rina	This course is designed for students to prepare their master's thesis. Through this course, students collect information on the field, laboratory, and literature, and conduct experiments and observations in order to acquire new research methods and knowledge for further advancement of their expertise, based on the specialized skills related to the preparation of the master's thesis. Students will organize, analyze, and discuss the results of their research, discuss methods of expression, and examine the results of their research, evaluating their validity with their primary advisor and different advisors, while acquiring the ability to promote research in their field of specialization.
05IP1132	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	MARU Takeshi	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.
05IP1139	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	WATANABE Hirozumi	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1140	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	BOULANGE JULIEN ERIC STANISLAS	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1141	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	OGISO Eri	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05IP1143	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	NANKO Kazuki	This course is designed to facilitate the development and completion of the master's thesis. Students will deepen their specialized knowledge and research methodologies necessary for thesis writing through field surveys, experiments, observations, and literature reviews. Based on the outcomes obtained, they will organize, analyze, and interpret their findings. With advice from a sub-supervisor (other than the main academic advisor), students will evaluate the validity of their research from multiple perspectives and cultivate the ability to express their findings clearly and to advance their research effectively.
05IP1145	Research expansion in Agricultural Science Ⅰ	Spring Semester	ONE-YEAR	HARIMA Hayato	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1208	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	OIKAWA Yosei	This subject is the main part of master program. Students perform gathering information, conducting fieldwork for obtaining related data and information to prepare master's thesis. This subject is offered by sub-supervisor. While obtaining the research results, students develop ability for performing scientific researches particularly related to their special fields.
05IP1212	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	OKAZAKI Shin	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1214	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	KATO Tasuku	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1216	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	KAWABATA Yoshiko	This subject is the main part of master program. Students expand their knowledge and skills for strengthen their specific field and expanding the knowledge of fields related to the specific topics. This subject is planned and performed by sub-supervisor. At the same time for obtaining the research, students develop ability for performing researches and explain the findings for the specific fields and related areas.
05IP1223	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	NIE Haisong	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.
05IP1226	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	TANAKA Tomomi	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.

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05IP1227	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	TANAKA Ryo	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1229	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	HAMABE Rina	This course is designed for students to prepare their master's thesis. Through this course, students collect information on the field, laboratory, and literature, and conduct experiments and observations in order to acquire new research methods and knowledge for further advancement of their expertise, based on the specialized skills related to the preparation of the master's thesis. Students will organize, analyze, and discuss the results of their research, discuss methods of expression, and examine the results of their research, evaluating their validity with their primary advisor and different advisors, while acquiring the ability to promote research in their field of specialization.
05IP1232	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	MARU Takeshi	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.
05IP1236	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	YAMADA Masaaki	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.
05IP1239	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	WATANABE Hirozumi	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1240	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	BOULANGE JULIEN ERIC STANISLAS	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1241	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	OGISO Eri	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05IP1243	Research expansion in Agricultural Science Ⅱ	Spring Semester	ONE-YEAR	NANKO Kazuki	This course is designed to facilitate the development and completion of the master's thesis. Students will deepen their specialized knowledge and research methodologies necessary for thesis writing through field surveys, experiments, observations, and literature reviews. Based on the outcomes obtained, they will organize, analyze, and interpret their findings. With guidance from a sub-supervisor (other than the main academic advisor), students will assess the validity of their research from multiple perspectives and develop the ability to present their findings clearly and advance their research effectively.
05IP1308	Research expansion in Agricultural Science Ⅲ	Fall Semester	ACROSS ACADEMIC YEAR	OIKAWA Yosei	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1312	Research expansion in Agricultural Science Ⅲ	Fall Semester	ACROSS ACADEMIC YEAR	OKAZAKI Shin	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1314	Research expansion in Agricultural Science Ⅲ	Fall Semester	ACROSS ACADEMIC YEAR	KATO Tasuku	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1316	Research expansion in Agricultural Science Ⅲ	Fall Semester	ACROSS ACADEMIC YEAR	KAWABATA Yoshiko	This subject is the main part of master program. Students expand their knowledge and skills for strengthen their specific field and expanding the knowledge of fields related to the specific topics. This subject is planned and performed by sub-supervisor. At the same time for obtaining the research, students develop ability for performing researches and explain the findings for the specific fields and related areas.
05IP1323	Research expansion in Agricultural Science Ⅲ	Fall Semester	ACROSS ACADEMIC YEAR	NIE Haisong	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.
05IP1326	Research expansion in Agricultural Science Ⅲ	Fall Semester	ACROSS ACADEMIC YEAR	TANAKA Tomomi	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05IP1327	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	TANAKA Ryo	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1329	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	HAMABE Rina	This course is designed for students to prepare their master's thesis. Through this course, students collect information on the field, laboratory, and literature, and conduct experiments and observations in order to acquire new research methods and knowledge for further advancement of their expertise, based on the specialized skills related to the preparation of the master's thesis. Students will organize, analyze, and discuss the results of their research, discuss methods of expression, and examine the results of their research, evaluating their validity with their primary advisor and different advisors, while acquiring the ability to promote research in their field of specialization.
05IP1332	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	MARU Takeshi	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.
05IP1336	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	YAMADA Masaaki	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.
05IP1339	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	WATANABE Hirozumi	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1340	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	BOULANGE JULIEN ERIC STANISLAS	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1341	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	OGISO Eri	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05IP1343	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	NANKO Kazuki	This course is designed to facilitate the development and completion of the master's thesis. Students will deepen their specialized knowledge and research methodologies necessary for thesis writing through field surveys, experiments, observations, and literature reviews. Based on the outcomes obtained, they will organize, analyze, and interpret their findings. With guidance from a sub-supervisor (other than the main academic advisor), students will assess the validity of their research from multiple perspectives and develop the ability to present their findings clearly and advance their research effectively.
05IP1345	Research expansion in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	HARIMA Hayato	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1402	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	ISHIHARA Kanako	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1408	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	OIKAWA Yosei	This subject is the main part of master program. Students perform gathering information, conducting fieldwork for obtaining related data to prepare master's thesis. This subject is offered by sub-supervisor. While obtaining the research results, students develop ability for performing scientific researches particularly related to their special fields.
05IP1412	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	OKAZAKI Shin	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1414	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	KATO Tasuku	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1415	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	KANEDA Masahiro	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.

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Code	Course title	Semester	Quarter	Main Instructor	Course description
05IP1416	Research expansion in Agricultural Science Ⅳ	Fall Semester	ACROSS ACADEMIC YEAR	KAWABATA Yoshiko	This course aims to allow students to review or carry out their master's thesis research from a different perspective than their area of expertise. Students are expected to acquire new knowledge and analytical methods by participating in seminars and workshops under the guidance of professors other than their supervisor. Students will regularly provide seminars on their research progress, followed by a question-and-answer presentation and attend a workshop on rural development studies. These activities help students improve the scope and quality of their dissertation research.
05IP1423	Research expansion in Agricultural Science Ⅳ	Fall Semester	ACROSS ACADEMIC YEAR	NIE Haisong	Aiming at strengthening skills for master thesis research, the course participant will collect information on the research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, the participant will increase the ability to conduct research in the specialized field by assessing the validity of the analysis, discussion, expression method, etc. of the research results.
05IP1426	Research expansion in Agricultural Science Ⅳ	Fall Semester	ACROSS ACADEMIC YEAR	TANAKA Tomomi	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1427	Research expansion in Agricultural Science Ⅳ	Fall Semester	ACROSS ACADEMIC YEAR	TANAKA Ryo	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1429	Research expansion in Agricultural Science Ⅳ	Fall Semester	ACROSS ACADEMIC YEAR	HAMABE Rina	This course is designed for students to prepare their master's thesis. Through this course, students collect information on the field, laboratory, and literature, and conduct experiments and observations in order to acquire new research methods and knowledge for further advancement of their expertise, based on the specialized skills related to the preparation of the master's thesis. Students will organize, analyze, and discuss the results of their research, discuss methods of expression, and examine the results of their research, evaluating their validity with their primary advisor and different advisors, while acquiring the ability to promote research in their field of specialization.
05IP1432	Research expansion in Agricultural Science Ⅳ	Fall Semester	ACROSS ACADEMIC YEAR	MARU Takeshi	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.
05IP1436	Research expansion in Agricultural Science Ⅳ	Fall Semester	ACROSS ACADEMIC YEAR	YAMADA Masaaki	Aiming at strengthening skills for master thesis research, course participant will collect information on research field and literature, practice observation and interviews, conduct social experiments, etc., and acquire new research methods and knowledge. Working with the sub-supervisor, participant will increase ability of conducting research in the specialized field by assessing the validity of analysis, discussion, expression method, etc. of the research results.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05IP1439	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	WATANABE Hirozumi	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1440	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	BOULANGE JULIEN ERIC STANISLAS	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1441	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	OGISO Eri	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP1443	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	NANKO Kazuki	This course is designed to facilitate the development and completion of the master's thesis. Students will deepen their specialized knowledge and research methodologies necessary for thesis writing through field surveys, experiments, observations, and literature reviews. Based on the outcomes obtained, they will organize, analyze, and interpret their findings. With guidance from a sub-supervisor (other than the main academic advisor), students will assess the validity of their research from multiple perspectives and develop the ability to present their findings clearly and advance their research effectively.
05IP1445	Research expansion in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	HARIMA Hayato	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05IP2009	Special Research in Agricultural Science III	Fall Semester	ACROSS ACADEMIC YEAR	BOULANGE JULIEN ERIC STANISLAS	This course aims to allow students to review or carry out their master's thesis research from a different perspective than their area of expertise. Students are expected to acquire new knowledge and analytical methods by participating in seminars and workshops under the guidance of professors other than their supervisor. Students will regularly provide seminars on their research progress, followed by a question-and-answer presentation and attend a workshop on rural development studies. These activities help students improve the scope and quality of their dissertation research.
05IP2019	Special Research in Agricultural Science IV	Fall Semester	ACROSS ACADEMIC YEAR	BOULANGE JULIEN ERIC STANISLAS	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. Then, outlines, arrangements, methodology, analysis, discussion based on their results will be conducted. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields under the guidance of the main supervisor.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05IP2039	Special Exercise in Agricultural Science II	Fall Semester	ACROSS ACADEMIC YEAR	BOULANGE JULIEN ERIC STANISLAS	Students summarize the research results including the obtained information and data and make figures and tables for developing their interpretation of the data. If necessary, presentations will be made for their laboratory for discussion with academic advisors and other students.
05IP2049	Special exercise for Publication Review II	Fall Semester	ACROSS ACADEMIC YEAR	BOULANGE JULIEN ERIC STANISLAS	Students collect and analyze information from the latest research on international environmental agricultural sciences from papers, textbooks, reports, web in both specialized and related fields. Based on the information, students obtain information for research trends, issues, analytical methods, results, validation of findings, and validity of interpretation. These processes make clear the novelty of the research and train the logical thinking of students.
05RP1401	Research expansion in Agricultural Science IV	Spring Semester	ONE-YEAR	ANDO Keisuke	This subject is the main part of master program. Students perform gathering information, conducting laboratory experiment, and field experiments for obtaining related data and information as well as conducting experiments and field investigation to preparing master's thesis. This subject is planned and performed by sub-supervisor. At the same time of obtaining the research results, students develop ability for performing researches particularly related to their special fields.
05SP0006	Economics of Food and Environment II	Fall Semester	3rd Quarter	KUSADOKORO Motoi	【Purpose】 The purpose of this course is to understand the features of agricultural production from an economic point of view and resource mobility in agriculture in the course of economic development, particularly changes in allocation of production factors (i.e., labor, capital) and markets and trade through reading literature regarding world agriculture, with attention to differences in resource endowment and economic and social situations across counties/regions. 【Outline】 The material to be used in class is: Chavas, “Structural Change in Agricultural Production: Economics, Technology and Policy.” A student is required to explain the part assigned to her/him in advance, using the summary of which a copy is distributed to each of all participants including a lecturer. In a summary to be distributed, a student has to write what she/he cannot understand as well as what she/he would like to discuss in class, related to the contents in the assigned part, in addition to a summary of the contents. 【Term-paper + Presentation】 A student should choose a region she/he is interested in, then investigate the feature of agriculture of such a region, with emphasis on agricultural resource endowment and its present use situations. A student should submit the paper that summarizes your investigation in the form of 8-10 pages (double spaced, Times New Roman 11pts) including tables and figures. In addition, a student is required to make an oral-presentation about your paper using the power point slides for 15-20 minutes in class. The lecturer of this course has substantial experiences as a consultant for agricultural and water resource development and will sometimes use the situations he had observed in rural areas to help students to deepen their understanding of the contents given.

Code	Course title	Semester	Quarter	Main Instructor	Course description
05TP0001	Rural and environmental engineering Ⅰ	Spring Semester	1st Quarter	SAITO Hirotaka	Conservation of soil environment plays an important role in global environment such as global warming as well as securing the foundation of human life and agricultural activities. In this course, from the physical aspect of the soil, students will learn the various problems related to fate and transport of chemicals in the soil and learn about the knowledge and method necessary for preserving the soil environment. In addition, exercises on simulating mass transport in soils will be exercised by using the water flow and chemical transport simulating program HYDRUS to predict the fate and transport of chemicals. In this course, the basic theory of spatial analysis of environmental data using geostatistic (geostatistics) will be also introduced. Students learn about spatial interpolation methods and constructing probabilistic models of spatial data by extracting features of spatial distribution and variation using geostatistical methods.
05TP0109	Overview for Agricultural Engineering and Agro-Food Informatics Ⅱ	Fall Semester	4th Quarter	NISHIWAKI Junko	This lecture covers topics in regional environmental engineering which deals with problems in rural/urban areas in order to better balance agricultural production, nature and human habitat.
71VD55311	Special Advanced Seminar for Veterinary Hygiene Science A(TUAT)	Fall Semester	INTENSIVE	ISHIHARA Kanako	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD55311a	Special Advanced Seminar for Veterinary Hygiene Science A(TUAT)	Spring Semester	INTENSIVE	ISHIHARA Kanako	The main supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD55350	Special Advanced Seminar for Veterinary Hygiene Science A(TUAT)	Fall Semester	INTENSIVE	OKADA Yumiko	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD55350a	Special Advanced Seminar for Veterinary Hygiene Science A(TUAT)	Spring Semester	INTENSIVE	OKADA Yumiko	The main supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD55351	Special Advanced Seminar for Veterinary Hygiene Science A(TUAT)	Fall Semester	INTENSIVE	WATANABE Maiko	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD55356	Special Advanced Seminar for Veterinary Hygiene Science A(TUAT)	Fall Semester	INTENSIVE	MURAKOSHI Fumi	The main supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD55356a	Special Advanced Seminar for Veterinary Hygiene Science A(TUAT)	Spring Semester	INTENSIVE	MURAKOSHI Fumi	The main supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD56303	Special Advanced Seminar for Veterinary Clinical Science A(TUAT)	Fall Semester	INTENSIVE	TANAKA Tomomi	The major supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD56303a	Special Advanced Seminar for Veterinary Clinical Science A(TUAT)	Spring Semester	INTENSIVE	TANAKA Tomomi	The major supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD56305	Special Advanced Seminar for Veterinary Clinical Science A(TUAT)	Fall Semester	INTENSIVE	SHIMIZU Miki	The supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD56305a	Special Advanced Seminar for Veterinary Clinical Science A(TUAT)	Spring Semester	INTENSIVE	SHIMIZU Miki	The supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.

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71VD56306	Special Advanced Seminar for Veterinary Clinical Science A(TUAT)	Fall Semester	INTENSIVE	TANAKA Ryo	The major supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD56306a	Special Advanced Seminar for Veterinary Clinical Science A(TUAT)	Spring Semester	INTENSIVE	TANAKA Ryo	The major supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71VD56352	Special Advanced Seminar for Veterinary Clinical Science A(TUAT)	Fall Semester	INTENSIVE	HAMABE Rina	As the first sub-supervisor, advices will be given on experimental knowledge related to the research theme according to the research content of the student, and supports the preparation of the doctoral dissertation.
71VD56352a	Special Advanced Seminar for Veterinary Clinical Science A(TUAT)	Spring Semester	INTENSIVE	HAMABE Rina	As the first sub-supervisor, advices will be given on experimental knowledge related to the research theme according to the research content of the student, and supports the preparation of the doctoral dissertation.
71vd51007	Scientific English(TUAT)	Spring Semester	1st Quarter	ONWONA-AGYEMAN Siaw	（Lecture outline） This course is designed to provide graduate students with numerous opportunities to use English for scientific communication. The ultimate goal is to prepare students to write reports based on their own research work and to effectively communicate with other researchers and scientists in English. In addition to the topics below, there will also be discussions on global issues to deepen the understanding of students interested in working in a multicultural environment. There will also be discussions on the search for sustainable ways of utilizing global resources to satisfy our energy, food and fiber needs.
71vd51008	Scientific English(IU)	Fall Semester	3rd Quarter	MIYAZAKI Tamako	Using the Active Learning System, students develop/improve their verbal and non-verbal communication capability with basic English skills that scientists need to acquire (writing papers, giving presentations, making posters, discussing in English, etc.) through interactive discussion, videos, and lectures by the instructor with a scientific background and practical exercises by students in a friendly atmosphere.
71vd53002	External Practice for Veterinary Hygiene Science (National Institute of Infectious diseases)	Spring Semester	ONE-YEAR	NAGATA Noriyo	Student is trained and experiences work and research at National Institute of Infectious Diseases.
71vd53135	Special Advanced Practice in Veterinary Science(TUAT)	Spring Semester	INTENSIVE	SHIMADA Kazumi	To participate in conferences or symposiums related to one's own research held in Japan for a total of 15 hours or more (including web participation), present research, listen to presentations by outstanding researchers, and participate in Q&A sessions, thereby reconsidering the direction of one's own research, developing the ability to devise more advanced research, and the ability of innovation. This course is one of the Advanced Practice Courses. This is one of the Advanced Practice Courses.
71vd53435	Special Advanced Practice in Veterinary Science(IU)	Spring Semester	INTENSIVE	SHIMADA Kazumi	Students attend a total of at least 15 hours of conferences and symposiums related to your own research, listening to conference presentations and participating in question-and-answer sessions in order to acquire the ability to create new concept and innovation. It is one of the Advanced Practiec Courses.
71vd54008	Special Lecture for Basic Animal Medicine A(TUAT)	Fall Semester	INTENSIVE	NAGAOKA Kentaro	Regarding Veterinary Clinical Science , the lecture according to research subject of students is given.
71vd54009	Special Lecture for Basic Animal Medicine A(TUAT)	Fall Semester	INTENSIVE	YOSHIDA Toshinori	Regarding Basic Animal Medicine, the lecture according to research subject of students is given.
71vd54011	Special Lecture for Basic Animal Medicine A(TUAT)	Fall Semester	INTENSIVE	KANEDA Masahiro	Regarding Veterinary Clinical Science , the lecture according to research subject of students is given.

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Code	Course title	Semester	Quarter	Main Instructor	Course description
71vd54013	Special Lecture for Basic Animal Medicine A(TUAT)	Fall Semester	INTENSIVE	YAMAMOTO Yuki	Regarding Basic Animal Medicine, the lecture according to research subject of students is given.
71vd54108	Special Lecture for Basic Animal Medicine B(TUAT)	Fall Semester	INTENSIVE	NAGAOKA Kentaro	Regarding Basic Animal Medicine, the lecture according to research subject of students is given.
71vd54109	Special Lecture for Basic Animal Medicine B(TUAT)	Fall Semester	INTENSIVE	YOSHIDA Toshinori	Regarding Basic Animal Medicine, the lecture according to research subject of students is given.
71vd54133	Special Lecture for Basic Animal Medicine B(TUAT)	Fall Semester	INTENSIVE	KANEDA Masahiro	Regarding Basic Animal Medicine, the lecture according to research subject of students is given.
71vd54135	Special Lecture for Basic Animal Medicine B(TUAT)	Fall Semester	INTENSIVE	YAMAMOTO Yuki	Regarding Basic Animal Medicine, the lecture according to research subject of students is given.
71vd54157	Special Lecture for Basic Animal Medicine B(TUAT)	Fall Semester	INTENSIVE	KIGATA Tetsuhito	Regarding Basic Animal Medicine, the lecture according to research subject of students is given.
71vd54435a	Special Advanced Seminar for Basic Animal Medicine B(TUAT)	Fall Semester	INTENSIVE	YAMAMOTO Yuki	Regarding Basic Animal Medicine, the lecture according to research subject of students is given.
71vd55003	Special Lecture for Veterinary Hygiene ScienceA(TUAT)	Fall Semester	INTENSIVE	NAGATA Noriyo	Regarding Veterinary Hygiene Science, the lecture according to research subject of students is given.
71vd55006	Special Lecture for Veterinary Hygiene ScienceA(TUAT)	Fall Semester	INTENSIVE	NAGATA Noriyo	Regarding Veterinary Hygiene Science, the lecture according to research subject of students is given.
71vd55050	Special Lecture for Veterinary Hygiene ScienceA(TUAT)	Fall Semester	INTENSIVE	OKADA Yumiko	Regarding Veterinary Hygiene science, the lecture according to research subject of students is given.
71vd55054	Special Lecture for Veterinary Hygiene ScienceA(TUAT)	Fall Semester	INTENSIVE	ANNOURA Takeshi	Regarding Veterinary Hygiene Science, the lecture according to research subject of students is given.
71vd55056	Special Lecture for Veterinary Hygiene ScienceA(TUAT)	Fall Semester	INTENSIVE	MURAKOSHI Fumi	Regarding Veterinary Hygiene Science, the lecture according to research subject of students is given.
71vd55113	Special Lecture for Veterinary Hygiene ScienceB(TUAT)	Fall Semester	INTENSIVE	NAGATA Noriyo	Regarding Veterinary Hygiene Science, the lecture according to research subject of students is given.
71vd55154	Special Lecture for Veterinary Hygiene ScienceB(TUAT)	Fall Semester	INTENSIVE	ANNOURA Takeshi	Regarding Veterinary Hygiene Science, the lecture according to research subject of students is given.
71vd55156	Special Lecture for Veterinary Hygiene ScienceB(TUAT)	Fall Semester	INTENSIVE	MURAKOSHI Fumi	Regarding Veterinary Hygiene Science, the lecture according to research subject of students is given.
71vd55413a	Special Advanced Seminar for Veterinary Hygiene Science B(TUAT)	Fall Semester	INTENSIVE	NAGATA Noriyo	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71vd55454a	Special Advanced Seminar for Veterinary Hygiene Science B(TUAT)	Fall Semester	INTENSIVE	ANNOURA Takeshi	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71vd55456	Special Advanced Seminar for Veterinary Hygiene Science B(TUAT)	Spring Semester	INTENSIVE	MURAKOSHI Fumi	Depending on the students' research content, they will give professors and advise on experimental knowledge related to the research theme and support creation of the doctoral dissertation.
71vd55456a	Special Advanced Seminar for Veterinary Hygiene Science B(TUAT)	Fall Semester	INTENSIVE	MURAKOSHI Fumi	Depending on the students' research content, they will give professors and advise on experimental knowledge related to the research theme and support creation of the doctoral dissertation.

English-Taught Courses List (Graduate School of Agriculture) **As of May 2026**

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Code	Course title	Semester	Quarter	Main Instructor	Course description
71vd55513	Special Advanced Seminar for Veterinary Hygiene Science C(IU)	Spring Semester	INTENSIVE	SATO Yukita	With regard to the advanced expertise in animal and public health, the second assistant supervisor will provide instruction and advice on experimental knowledge and techniques related to the research topic according to the research content of the student, and support the writing of the doctoral thesis.
71vd55513a	Special Advanced Seminar for Veterinary Hygiene Science C(IU)	Fall Semester	INTENSIVE	SATO Yukita	With regard to the advanced expertise in animal and public health, the second assistant supervisor will provide instruction and advice on experimental knowledge and techniques related to the research topic according to the research content of the student, and support the writing of the doctoral thesis.
71vd56003	Special Lecture for Veterinary Clinical Science A(TUAT)	Fall Semester	INTENSIVE	TANAKA Tomomi	Regarding Veterinary Clinical Science , the lecture according to research subject of students is given.
71vd56005	Special Lecture for Veterinary Clinical Science A(TUAT)	Fall Semester	INTENSIVE	SHIMIZU Miki	Regarding Veterinary Clinical Science, the lecture according to research subject of students is given.
71vd56006	Special Lecture for Veterinary Clinical Science A(TUAT)	Fall Semester	INTENSIVE	TANAKA Ryo	Regarding Veterinary Clinical Science , the lecture according to research subject of students is given.
71vd56011	Special Lecture for Veterinary Clinical Science A(TUAT)	Fall Semester	INTENSIVE	ENDO Natsumi	This course is a specialized subject within the Cooperative Division of Veterinary Sciences, designed to cultivate research capabilities necessary for the preparation of a doctoral thesis. As the primary supervisor, the instructor provides professors and advice on experimental knowledge related to the research theme according to the student's specific research field, and supports the creation of the doctoral thesis. Through instruction on experimental methods closely related to the research theme of the doctoral thesis, this course aims for students to acquire the techniques and skills required to develop autonomously as a researcher.
71vd56125	Special Lecture for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	TANAKA Tomomi	Regarding Veterinary Clinical Science , the lecture according to research subject of students is given.
71vd56127	Special Lecture for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	SHIMIZU Miki	Regarding Basic Animal Medicine, Veterinary Hygiene science or Veterinary Clinical Science, the lecture according to research subject of students is given.
71vd56128	Special Lecture for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	TANAKA Ryo	Regarding Veterinary Clinical Science , the lecture according to research subject of students is given.
71vd56133	Special Lecture for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	ENDO Natsumi	This is a specialized course in the Cooperative Division of Veterinary Sciences, providing lectures and guidance on Veterinary Clinical Medical Science tailored to the student's research theme. As the first co-supervisor, the instructor provides expertise and techniques from a perspective different from the primary supervisor, supporting the preparation of the doctoral thesis through multifaceted guidance.
71vd56152	Special Lecture for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	HAMABE Rina	The content of the lecture will be tailored to the student's research theme in veterinary clinical medicine, which is the foundation of veterinary medicine.
71vd56425	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Spring Semester	INTENSIVE	TANAKA Tomomi	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71vd56425a	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	TANAKA Tomomi	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71vd56427	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Spring Semester	INTENSIVE	SHIMIZU Miki	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71vd56427a	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	SHIMIZU Miki	The first vice supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.

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Code	Course title	Semester	Quarter	Main Instructor	Course description
71vd56428	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Spring Semester	INTENSIVE	TANAKA Ryo	The major supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71vd56428a	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	TANAKA Ryo	The major supervisor gives methodological and conceptual advices and supports preparation of doctoral thesis.
71vd56433	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Spring Semester	INTENSIVE	ENDO Natsumi	This course is a specialized subject within the Cooperative Division of Veterinary Sciences, designed to cultivate research capabilities for preparing a doctoral thesis. As the first co-supervisor, the instructor provides instruction and advice on experimental knowledge related to the research theme from a specialized perspective different from the primary supervisor, providing multifaceted support for the completion of the doctoral thesis.
71vd56433a	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	ENDO Natsumi	This is a specialized course in the Cooperative Division of Veterinary Sciences, providing lectures and guidance on Veterinary Clinical Medical Science tailored to the student's research theme. As the first co-supervisor, the instructor provides expertise and techniques from a perspective different from the primary supervisor, supporting the preparation of the doctoral thesis through multifaceted guidance.
71vd56452	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Spring Semester	INTENSIVE	HAMABE Rina	As the first sub-supervisor, advices will be given on experimental knowledge related to the research theme according to the research content of the student, and supports the preparation of the doctoral dissertation.
71vd56452a	Special Advanced Seminar for Veterinary Clinical Science B(TUAT)	Fall Semester	INTENSIVE	HAMABE Rina	As the first sub-supervisor, advices will be given on experimental knowledge related to the research theme according to the research content of the student, and supports the preparation of the doctoral dissertation.