

Course Guide & Syllabus

2025 Academic Year

Yamazaki University of Animal Health Technology

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English Notation for University, Faculty, Department, Degree

Name of the University: Yamazaki University of Animal Health Technology

Name of Faculty: Faculty of Animal Health Technology

Name of Department: 1) Department of Animal Health Technology

2) Department of Human Animal Relations

Degree: Bachelor of Animal Health Technology

Philosophy and Policies

Basic Education Policy

Founding Philosophy

"Reverence for Life"

"Self-sustainability as a Professional "

To acquire rich humanity and a broad perspective as a professional to contribute to constructing a peaceful society where people and animals coexist in harmony, with respect and boundless love for the wide variety of life that exists on earth.

Educational Philosophy

"Live for Life"

Under our founding spirit, education at the University is based on "education for life."

Educational and Research Purposes

Department of Animal Health Technology

Under our founding spirit, the Department of Animal Health Technology provides education for veterinary nurses with a sense of ethics to respect life, a spirit of animal welfare, rich humanity, and a broad perspective, based on the educational philosophy of “Live for Life”. The department aims to conduct research and teach theories and techniques to contribute to the development of veterinary medicine centering on veterinary hospitals and animal-related businesses.

Department of Human Animal Relations

Under our founding spirit, the Department of Human Animal Relations provides human education based on the educational philosophy of “Live for Life,” with an ethical sense of respect for life and a spirit of animal welfare, and with the rich humanity and broad perspective required for a society where people and animals coexist in harmony. The purpose of this department is to contribute to the development of a society in which people and animals can live together, and to teach research, theory, and technology to contribute to the development of pet-related businesses and the spread of animal-assisted therapy (animal-assisted therapy, animal-assisted activities, animal-assisted education), assistance dogs (guide dogs, hearing dogs, and service dogs), etc.

Human Resource Development

Department of Animal Health Technology

In the spirit of animal welfare, the Department of Animal Health Technology aims to cultivate a philosophy of symbiosis between humans and animals and a sense of ethics that respects life, and to develop human resources who will be able:

- a. to develop the ability to work as a member of a team of veterinary medical staff, mainly in veterinary hospitals. Human resources who can contribute to research and development in the field of team animal medicine, and who can be active as professionals and leaders in animal-related organizations, etc.
- b. to be personnel who can play an active role in animal testing centers, laboratories, etc.
- c. to play an active role in pet insurance and other pet-related companies such as veterinary medical equipment.

Department of Human Animal Relations

Students will acquire a sense of ethics to respect life and the idea of symbiosis between humans and animals in the spirit of animal welfare:

- a. to be able to work in a pet-related company (pet food, pet medical equipment, etc.).
- b. to be able to play an active role in a diversified society where people and animals coexist, with knowledge and skills in public health.
- c. to be active in the fields of animal-assisted therapy (animal-assisted therapy, animal-assisted activities, animal-assisted education), assistance dogs (guide dogs, hearing dogs, service dogs), etc. with a background in social welfare and psychology.

Three Policies

Department of Animal Health Technology

1. Diploma Policy (Policy on Graduation Certification and bachelor's degree Conferral)

Students who have enrolled for the full period of study, paid the required number of credits and achieved the following learning objectives will be certified for graduation and awarded a Bachelor of Animal Nursing degree.

- (1) Students who understand the founding spirit and educational philosophy of the university, and who, under the spirit of animal welfare, have a philosophy of coexistence between humans and animals and a sense of ethics, and who have acquired a rich humanity and a broad perspective.
- (2) Students who have acquired the basic theory and techniques related to animal nursing.
- (3) Students who have acquired the applied theory, techniques and problem-solving skills required in the increasingly advanced and specialized field of veterinary medicine.
- (4) Students who have acquired communication skills and social awareness, have a sense of mission and the ability to contribute to global society as veterinary nurses with professional minds and leadership.

2. Curriculum Policy (Policy on the Organization and Implementation of the Curriculum)

To reflect the Diploma Policy in the curriculum, the following liberal arts education subjects and specialized education subjects (basic specialized subjects, specialized subjects, and comprehensive subjects) are arranged.

- (1) In the general education subjects, following the spirit of animal welfare, we will provide subjects in the humanities and social sciences, natural sciences, languages and information study, etc., to foster a rich humanity and a broad perspective, and to acquire a sense of ethics and the idea of coexistence between humans and animals, to connect them to the specialized education subjects.
- (2) In the basic subjects, students learn the basic theories and techniques of animal nursing, such as Introduction to Life Science, Introduction to Veterinary Nursing, Introduction to Animal-Human Relations, and Animal Functional Anatomy, which are positioned as an introduction to the specialized subjects.
- (3) In the specialized subjects, subjects that correspond to the increasingly advanced and specialized animal healthcare are arranged, and as distinctive subjects, subjects such as Veterinary Medical Communication, Veterinary Oral Care, Veterinary Rehabilitation and Physical Therapy, Animal Geriatrics Technology and Veterinary Nursing of Exotic Animals are arranged. Students will learn applied theory, techniques, and problem-solving skills as professionals.
- (4) In the general subjects, students will develop their social skills through Volunteer Study&Activity, Special Seminar (school education and career education), Internship, Graduation Thesis, and other subjects, and build the basic skills and leadership needed to become a member of society.

3. Admission Policy

The admission policy of our university is as follows.

- (1) Those who share the spirit and educational philosophy of our university.
- (2) Those who have a deep understanding and love for animals and aim for a rich coexistence between humans and animals.
- (3) Those who are interested in veterinary nursing and have the basic academic ability necessary for education and research.
- (4) Those who, as a member of society, have an international perspective, value communication, and are able to make an effort to learn on their own and find solutions.

Department of Human Animal Relations

1. Diploma Policy (Policy on Graduation Certification and bachelor's degree Conferral)

Students who have enrolled for the full duration of the course, completed the required number of credits, and achieved the following learning objectives will be certified as graduates and awarded a Bachelor of Animal Health Science degree.

- (1) Students who understand the founding spirit and educational philosophy of the university, and who, under the spirit of animal welfare, have a philosophy of coexistence between humans and animals and a sense of ethics, and who have acquired a rich humanity and a broad perspective.
- (2) Students who have acquired the basic theories and techniques related to human-animal relations.
- (3) Acquire the applied theory, technology, and critical thinking skills needed in the increasingly diversified and expanding pet-related industry.
- (4) Acquire communication skills and social awareness, and as a professional or leader, acquire the ability to contribute to global society with a sense of mission.

2. Curriculum Policy (Policy on the Organization and Implementation of the Curriculum)

To reflect the Diploma Policy in the curriculum, the following liberal arts and professional education subjects (basic professional subjects, professional subjects, and comprehensive subjects) are arranged.

- (1) In the liberal arts education subjects, in the spirit of animal welfare, subjects in the humanities and social sciences, natural sciences, languages, and information, etc. are arranged to foster a rich humanity and a broad perspective, and to acquire the idea of coexistence between humans and animals and ethical values, and to connect to the professional education subjects.
- (2) In the basic subjects, students learn the basic theories and techniques required for the study of human-animal relations, such as Introduction to Life Science, Introduction to Veterinary Nursing, Introduction to Animal-Human Relations, and Animal Functional Anatomy, and these are positioned as an introduction to the specialized subjects.
- (3) In the specialized subjects, in response to the diversification and expansion of the pet-related industry, etc., distinctive subjects such as Human-Animal Interaction, Public Health, Pestology, Zoo & Aquarium Science, Companion Animals-related Industry, Theory of Animal Assisted Therapy, and Theory of Assistance Dog are arranged, and students learn applied theory and techniques as a professional and problem-solving skill.
- (4) In the general subjects, students will develop their social skills through Volunteer Study&Activity, Special Seminar (school education and career education), Internship, Graduation Thesis, and other subjects, and build the basic skills and leadership skills needed to become a contributing member of society and a well-rounded individual.

3. Admission Policy

The admission policy of our university is as follows:

- (1) Those who share the spirit and educational philosophy of the university.
- (2) Those who have a deep understanding and a love for animals aim for a rich coexistence between humans and animals.
- (3) Those who have deep interests in the study of animal-human relations and have the basic academic ability necessary for education and research.
- (4) Those who, as a member of society, have a global perspective, value communication, and can make efforts to learn on their own and find solutions.

Course Guide

Curriculum of the Faculty of Animal Health Technology

The curriculum of the Faculty of Animal Health Technology at Yamazaki University of Animal Health Technology is composed under the founding spirit of "Reverence for Life" and "Self-sustainability as a Professional," as well as the educational philosophy of "Live for Life."

In the first year, students are expected to acquire a spirit of animal welfare, an understanding of human beings, and an ethical viewpoint that respects life, as well as a rich sense of humanity and a broad perspective. After the second year, each Department of Animal Health Technology and Human Animal Relations offers a specialized curriculum.

Specialized education subjects in the Department of Animal Health Technology aim to develop human resources who can actively exercise leadership as veterinary nurses by acquiring sufficient knowledge and advanced skills to respond to the specialization and advancement of veterinary medicine. Those in the Department of Human Animal Relations aim to train students to acquire sufficient knowledge and advanced skills to play an active role in a wide range of fields, including animal-related industries, animal welfare, animal protection and conservation, and to develop human resources who can contribute to the development of these fields.

The curriculum is characterized by the organic and close link between the courses in liberal arts education and specialized education, as well as between basic specialized courses, specialized courses, and comprehensive courses. A wealth of basic courses supports the practical specialized courses, and practical training courses from the first year lay the foundation for more advanced technology.

From the second year onward, students can select courses to build their careers with an eye to their future. In addition to on-campus lectures and practical training, the curriculum also incorporates off-campus comprehensive veterinary training and internships to create opportunities for practical education, as well as training in Japan and overseas to increase opportunities to gain a wide range of experience. We aim to educate human resources who have a global perspective and can contribute to the animal-related fields that are widely demanded by society.

I. Courses and Registration

1. Structure of Courses

Courses offered at the University include both compulsory and elective courses.

(1) Compulsory courses

Courses that must be taken for graduation. Students are required to take these courses and earn credits each semester of the academic year in which they are offered.

(2) Elective courses

Courses that students select from a set number of courses. In principle, students are required to take these courses in the year and semester in which they are distributed.

2. Classification of Courses

Courses at the University are classified according to their content as follows

(1) Liberal Arts Courses

The objective of these courses is to cultivate a rich humanity and a broad perspective that are required in building a better relationship between humans and animals.

1) Humanities and Society

These courses aim to deepen students' understanding of the structure and various problems of modern society and the spiritual and cultural activities of human beings from a broad perspective, thereby enabling them to acquire the ability to respond appropriately to changes in society.

2) Nature and Environment

The purpose of these courses is to study the destruction of nature and other environmental problems caused by human and industrial activities, to understand the impact of these problems on animal ecology, to understand the various life phenomena exhibited by animals, and to acquire a broad

knowledge of animals.

3) Language, Information, and Sports

The objectives of these courses are to acquire the literacy (reading and writing) necessary to understand different cultures in an international society, to develop report writing skills and communication skills, to recognize the importance of sports in daily life, and to maintain good health and improve physical fitness.

(2) Specialized Courses

In the Department of Animal Health Technology, students study clinical veterinary nursing and health management, etc., to acquire veterinary nursing studies focusing on companion animals. In the Department of Human Animal Relations, students systematically study basic theories and techniques related to animal-related industries, animal care activities, animal welfare and welfare, etc., in order to acquire the knowledge and skills required in these fields in the future. The Department of Human Animal Relations is designed to cultivate the knowledge and skills required in these fields.

1) Basic specialized subjects

These courses are designed to acquire the basic theories and techniques for studying specialized subjects.

2) Specialized Subjects

These courses are designed to develop specialized knowledge and skills focused on veterinary nursing or human-animal relations.

Department of Animal Health Technology

The courses are designed for students to systematically study theories and techniques related to veterinary nursing, animal health and hygiene management, animal nutrition, animal reproduction management, and animal rehabilitation.

Department of Human Animal Relations

These courses are designed for students to systematically learn about animal intervention therapy, intervention activities, intervention education, and the humanities and social sciences necessary for these, as well as theories and techniques related to industrial animals, laboratory animals, wild animals, etc.

3) General Subjects

Special Seminar I, II, III, and IV, which are a distinctive feature of our university, are designed to educate students about life and other subjects as part of their education, to enrich their culture, to cultivate a rich humanity and the ability to explore issues, and to develop basic skills as a member of society.

In addition, Internship provide students with the opportunity to experience the vocational perspective necessary to fulfill their social roles in their respective fields of work and to learn about their vocational aptitude.

3. Items that may be brought into classes

In addition to writing materials and textbooks, students may bring their tablets, computers, etc. as needed.

4. Class Format Classification and Credit Calculation

The University's credit system is based on the Standards for the Establishment of Universities as stipulated by the Ministry of Education, Culture, Sports, Science and Technology. Following Article 23 of the University Regulations, 45 hours of study are required to earn one credit, and credits for lectures, seminars, and practical training courses are calculated based on one hour (45 minutes) and 15 class sessions.

Lecture: : A type of class in which knowledge is imparted through one-way explanation by the instructor to the students.

Exercises : A type of class in which students receive guidance through discussions and presentations, along with lectures by faculty members.

Training : A type of class method to learn about actual products based on the knowledge learned.

Concept of hours of study required to earn one credit.

Outside of class (preparation) 1 hour (45 minutes) x 15 times = 15 hours
 Class time 1 hour (45 minutes) x 15 sessions = 15 hours
 Outside of class (review) 1 hour (45 minutes) x 15 times = 15 hours

The basic unit of one class at the University is two hours (ninety minutes). The number of classes for one semester is 15. Therefore, the calculation of credits for each actual class category at the University is as follows:

classification	number of credits	Class hours per week	Number of lessons	Total study hours
Lecture	2 credits	2 hours (actual 90 minutes)	15 times	90 hours (2 credit hours of study)
	1 credit	2 hours (actual 90 minutes)	8 times	45 hours (1 credit hour of study)
Exercises	1 credit	2 hours (actual 90 minutes)	15 times	45 hours (1 credit hour of study)
Training	2 credits	4 hours 2 hours (actual 90 minutes) × 2 sessions	15 times	90 hours (2 credit hours of study)

5. Semester and Timetable

- (1) Based on the academic calendar for the relevant academic year, the University has two semesters: the first and second. Classes are generally held from Monday to Saturday.
- (2) The University conducts classes in two-hour (90-minute) units, so the daily class hours are as shown in the table below.

First period	9:10~ 10:40
Second period	10:50~ 12:20
Third period	13:10~ 14:40
Fourth period	14:50~ 16:20
Fifth period	16:30~ 18:00

6. Coursework

Courses will be organized into classes according to the actual number of students enrolled and the characteristics of the subject matter.

7. English I, II, III, IV

Students will take the Online English Aptitude Test at orientation, and their classes will be determined based on the results.

8. Course Registration

Students themselves select and register courses to be taken each semester of the academic year within a set period. Students should register accurately for required and elective courses to fulfill graduation requirements. Coursework is subject to grading upon registration. No credit can be earned by attending classes for which you have not registered. Changing courses after the registration or change period is not permitted, so careful consideration should be given when registering for classes.

Please note the following items when registering for courses.

(1) Course of study plan

When registering for courses, consider the following points and plan your coursework for the year.

- 1) In principle, each course should be taken in the designated year and semester, and students should plan and complete their courses to fulfill graduation requirements in four years.
 - 2) Please read the "Curriculum Table" and "Syllabus" carefully to get an overview of the curriculum.
- (2) Maximum number of credits for course registration
- The maximum number of credits per semester is 22 to ensure adequate study time. However, some courses are not included in the number of credits. For details, please refer to Article 6 of the Yamazaki University of Animal Health Technology Course Regulations.
- (3) Course registration procedures
- Please register for courses on the web by the designated date according to the instructions given at the orientation, etc.
- (4) Correction of course registration
- Courses for which students have registered cannot be changed after the registration or predetermined change period.
- (5) When classes are not offered
- If the result of course registration shows that the total number of applicants is less than 10, the relevant course may not be offered. In such cases, you will need to modify your course registration.
- (6) Taking courses outside of the University
- It is possible to take courses outside of the University. For details, please refer to "VI. Registration and Credit Authorization for Courses Taken Outside of the University".

9. On the Thirty-nine Subjects Required for the National Examination for Veterinary Nurses for Companion Animals (VNCA)

To take the national examination for Veterinary Nurses for Companion Animals, students are required to acquire credits in the subjects designated for the said Examination. If you have not earned credits in even one of the subjects listed below, you will not be qualified to take the said examination.

Some required courses, however, are not offered by the Department of Animal Health Technology.

If students in the said Department wish to take courses designated for the said national examination, they should take those courses offered by the other department and earn credits.

First year	Liberal Arts	Basic Biochemistry	Third year	Specialized	Theriogenology
	Specialized	Introduction to Veterinary Nursing Introduction to Animal-Human Relations Animal Functional Anatomy Animal Physiology General Theories of Veterinary Clinical Nursing Practice of Veterinary Medical Nursing I Guidance Theory of Animal Welfare and Proper Care Regulations for Veterinary Nursing Regulations for Animal Welfare and Proper Care			Veterinary Surgical Nursing Practice of Veterinary Surgical Nursing Particular Theories of Veterinary Clinical Nursing I ★ Particular Theories of Veterinary Clinical Nursing II ★ Practice of Veterinary Clinical Nursing ★ Veterinary Infectious Diseases II ★ Practice of Comprehensive Veterinary Nursing ★ Companion Animal Science ★ Farm Animal Science Laboratory Animal Science
Second year	Liberal Arts	Bioethics and Animal Welfare	Fourth year	Specialized	Particular Theories of Veterinary Clinical Nursing III ★ Veterinary Medical Communication ★ Companion Animals-related Industry
	Specialized	Practice of Animal Anatomy and Physiology Animal Environmental Science Animal Behavior Veterinary Pharmacology Veterinary Pathology Veterinary Medical Nursing Practice of Veterinary Medical Nursing II Veterinary Laboratory Medicine Practice of Veterinary Laboratory Medicine Public Health Veterinary Infectious Diseases I Small Animal Nutrition Practice of Animal Welfare and Proper Care Wild Animal Science			

★ Courses not yet offered by the Department of Human Animal Relations.
 If a course is not offered, credits can be earned by taking courses in another department.
 If a course is not offered, it is possible to earn credits by taking courses in another department.

10. Phased Completion of the Courses Required for VNCA

Certain courses require credits of designated courses before registration. Courses required to take the National Examination of Veterinary Nurses for Companion Animals are set to be taken in stages in each department.

Common to both the Department of Animal Health Technology and the Department of Human Animal Relations					
First year	Liberal Arts	Basic Biochemistry	Second year	Liberal Arts	Bioethics and Animal Welfare
	Specialized	Introduction to Veterinary Nursing Introduction to Animal-Human Relations Animal Functional Anatomy Animal Physiology General Theories of Veterinary Clinical Nursing Practice of Veterinary Medical Nursing I Guidance Theory of Animal Welfare and Proper Care Regulations for Veterinary Nursing Regulations for Animal Welfare and Proper Care		Specialized	Practice of Animal Anatomy and Physiology Animal Environmental Science Animal Behavior Veterinary Pharmacology Veterinary Pathology Veterinary Medical Nursing Practice of Veterinary Medical Nursing II Veterinary Laboratory Medicine Practice of Veterinary Laboratory Medicine Public Health Veterinary Infectious Diseases I Small Animal Nutrition Practice of Animal Welfare and Proper Care Wild Animal Science

After earning credits in all of the above 25 first- and second-year courses, students may enroll in the following courses.



Department of Animal Health Technology		
Third year	Specialized	Practice of Comprehensive Veterinary Nursing

Department of Human Animal Relations		
Third year	Specialized	Veterinary Surgical Nursing Practice of Veterinary Surgical Nursing Particular Theories of Veterinary Clinical Nursing I★ Particular Theories of Veterinary Clinical Nursing II ★ Practice of Veterinary Clinical Nursing ★ Practice of Comprehensive Veterinary Nursing★
Fourth	Specialized	Particular Theories of Veterinary Clinical Nursing III★

Courses designated for the pet nurse national examination other than those taken in phases.

(The following courses are not graded courses and must be taken and earned in the same year as they are distributed.)

Department of Animal Health Technology		
Third year	Specialized	Theriogenology Veterinary Surgical Nursing Practice of Veterinary Surgical Nursing Particular Theories of Veterinary Clinical Nursing I Particular Theories of Veterinary Clinical Nursing II Practice of Veterinary Clinical Nursing Veterinary Infectious Diseases II Companion Animal Science Farm Animal Science Laboratory Animal Science
		Fourth year

Department of Human Animal Relations		
Third year	Specialized	Theriogenology Veterinary Infectious Diseases II★ Companion Animal Science★ Farm Animal Science Laboratory Animal Science
Fourth year	Specialized	Veterinary Medical Communication Companion Animals-related Industry★

★ Courses not yet offered by the Department of Human Animal Relations.

If a course is not offered, credits can be earned by taking courses in another department.

If a course is not offered, students can earn credit by taking courses in another department.

11. On Moodle

We use the learning management system called Moodle for communication regarding classes, etc. Instructions on how to use Moodle will be provided at orientation.

12. Class Absence, etc.

(1) Notification of Class Absence

When you are absent from the class, contact the instructor of the relevant class directly by e-mail or through Moodle. Nevertheless, if any instructions have been issued by the instructor of said course, follow the instructions from the instructor.

(2) Managing of authorized absences (official absences)

If the reason for the absence is on the table below and the student can provide documentation to prove it, the absence will be treated as an authorized absence. Nevertheless, an authorized absence is an absence and is not considered attendance. However, in courses that clearly indicate that "class participation" will be counted in the evaluation of grades, this may be included in the evaluation process.

In the event of an authorized absence, the method of calculating attendance will change as follows:

Each student is responsible for one's attendance on each course.

$$\text{Attendance Rate Calculation Method} = \frac{\text{Number of classes attended}}{\text{Total number of classes}} \times 100 (\%)$$

Calculation method in the event of an authorized absence

$$\frac{\text{Number of classes attended}}{\text{Total number of classes} - \text{Number of authorized absences}} \times 100 (\%)$$

Please contact the course instructor directly via email or Moodle to report absences for each class.

Reason for absence		Documents to be submitted
Infectious diseases (school-designated infectious diseases)	Influenza COVID-19	Documents to be submitted: *Originally, students are required to submit a certificate of cure for school-designated infectious diseases, but in accordance with the policy indicated by the Ministry of Health, Labor and Welfare, the Academic Affairs and Student Affairs Division does not require submission of a certificate of cure in order to avoid a shortage of medical facilities. However, students may be asked by course instructors to submit evidence of infection, so please keep test results, receipts, drug information sheets, etc. issued by medical institutions for your own records.
	Excluding the above.	Documents to be submitted: Certificate of cure (issued by a medical institution) *Please use the format designated by the university in the "Administrative Procedures and Various Certificates (for Current Students)" section of the university's website. Submission address: Academic Affairs/Student Affairs Section, Building No. 3, first floor
Bereavement for your family (first, second, and third degree of kinship)		Documents to be submitted: Bereavement notification (available at the university office) and documents such as a letter of thanks for the funeral. *The following days will be counted as bereavement absences. (i) Parents (first degree of kinship), spouse, and children: within seven consecutive days (ii) Grandparents and siblings (second degree of kinship): within five consecutive days (iii) Uncles and aunts (third degree of kinship): within three consecutive days Submission address: Academic Affairs/Student Affairs Section, Building No. 3, first floor
Significant delays in public transportation Or long service suspension, etc.		Documents to be submitted: Certificate issued by public transportation, etc. Submitted to: Course instructors
Other unavoidable reasons (Appointment as a judge, Participating in international conventions, etc.)		Documents to be submitted: Documents that can be used as evidence. *Some reasons may not be approved. Submission address: Academic Affairs/Student Affairs Section, Building No. 3, first floor

(3) Absence from term examinations

If you are absent from a term examination for any of the reasons listed in the table "(2) Authorized Absences", you must, in principle, contact the university Academic Affairs/Student Affairs office by the designated method by the due date and follow the instructions of the office. It will be possible to take a supplementary examination if the reason is applicable

13. Class Cancellations

The following measures will be taken:

- (1) Course cancellations will be communicated via Moodle by the instructor in charge of each course.
- (2) If you do not receive advance notice and the instructor in charge is not seen 15 minutes after the start time of the class in question, please follow the instructions of the Academic Affairs/Student Affairs Section.
- (3) Criteria for canceling classes, etc. in case of emergency are as follows:
If the following criteria are met and the University deems and decides that it is necessary to cancel classes, etc., students will be notified via Moodle and emergency contact e-mail.

Classes are not automatically cancelled due to transportation cancellations. Please be sure to check Moodle or your emergency contact email for emergency measures.

Yamazaki University of Animal Health Technology Leave of Absence Criteria

Whenever possible, classes will be held as usual even if the Keio Line or other transportation systems are suspended due to an accident, strike, or other reasons. However, when transportation is suspended due to a natural disaster, the following measures will be taken to cancel classes.

- (i) If either the Keio Sagami-hara Line or the Keio Line is suspended as of 6:00 a.m., the morning classes will be cancelled.
- (ii) If either the Keio Sagami-hara Line or the Keio Line is suspended as of 10:00 a.m., afternoon classes will be cancelled.
- (iii) In the event of a situation that causes or is expected to cause a significant disruption to commuting to the campus, such as the suspension of all or part of the services of each of the lines listed in the preceding paragraph and the JR Yokohama Line, Odakyu Line, or Tama Monorail, a decision to cancel classes, etc. will be made on a case-by-case basis.
- (iv) For regular examinations, etc., the start time of the examination may be delayed, or the examination may be cancelled following the preceding paragraph. If an examination is cancelled, it shall be rescheduled to a reserve day.

*The term "suspension" means that the suspension of operation of the entire route is confirmed by television and radio.

Time to decide whether to cancel a class.

The decision on morning classes will be made by 6:00 a.m.

The decision on afternoon classes will be made by 10:00 a.m.

14. Compensation Lectures

If a class is cancelled, a make-up class will be held in principle. Details will be communicated via Moodle by the course instructor.

15. Office Communication and Office Open Hours

Communication and instructions from the offices of Academic Affairs, Student Affairs, etc. will be communicated via Moodle and emergency contact email.

Office Open Hours (Monday-Saturday): 9:00-17:00

II Examination and Evaluation

1. Earning of Credits

To earn credits, students must complete coursework, submit assignments, take examinations, and pass a comprehensive evaluation (Article 7 of the Course Regulations).

Students who are absent for more than one-third of the class hours specified for each course may lose the qualification for credit acquisition for that course. (Regulations for Course Completion, Article 8)

If you have any questions about earning credits, please consult with your instructor or class advisor, and be sure to earn the credits.

2. Type of Test

(1) Term Examinations

Term examinations are held during the designated period of the first and second semesters for the purpose of earning credits. However, the implementation time may be changed depending on circumstances or courses.

In addition, students who are absent from regular examinations without permission or reason qualified as an authorized absence, in principle, will lose their eligibility to take a follow-up examination.

(2) Follow-up Examinations

An examination is given to the students who were unable to take the regular examinations due to the reasons listed in "12. Class Absence, etc." in "I. Courses and Registration" above and who have been permitted to take the examinations after attaching documents proving their authorized absence. If you miss a regular exam due to an authorized absence, please be sure to contact the university office by the designated method and submit the certification documents to the office reception by 5:00 p.m. on the day following the exam you missed. To confirm whether the student is eligible for a follow-up exam, check the announcement of the students' list of said exams.

However, even if a student is absent for reasons equivalent to those covered by the follow-up examination, the student may not be allowed to take the follow-up examination depending on the evaluation criteria of the course instructor. (Course Regulations, Article 12)

(3) Re-examination

Re-examination means the exam to be given to those who have taken and failed the regular examination.

3. Examination Guidelines

(1) Students who have not paid tuition, practical training, and/or other school fees are not allowed to take the examination, except those approved by the president of the university.

(2) Those who do not bring their student ID cards will not be allowed to take the examination. If a examinee does not bring one's student ID card on the day of the examination, the said examinee must obtain a temporary student ID card (500 yen issuance fee) at the Educational Affairs/Student Affairs Section and present it on the desk at the examination room before the examination starts.

(3) The seating area for examinees will be posted in the examination room. Examinees should be seated in the designated seat and present their student ID card or temporary student ID card on the desk.

(4) In the examination room, examinees should not keep textbooks, reference books, notebooks, notes, memos, etc. on your person unless otherwise specified.

(5) Abstention after the distribution of questions and answer sheets is not permitted. Therefore, candidates must submit their answer sheets.

(6) No examinee will be allowed to enter the examination room 25 minutes after the start of the term

examination. 30 minutes after the start, the examinees will be allowed to leave the room upon the instruction of the exam supervisor.

- (7) Any examinee who commits or is found to have committed cheating or does not follow the instructions of the exam supervisor, will be ordered to leave the examination immediately and will lose the entire exam courses for the duration of that examination.
- (8) Unexcused absences from term examinations or absences for reasons that do not qualify as authorized absences will not qualify for retaking the examinations.

4. Announcement of Examination Results and Procedures for Retaking the Examination

After the term examination period is over, students eligible for retests, etc. will be announced and they can register for re-examination.

For students who failed the term examinations in the first and second semesters, an "Application for Re-examination" will be distributed on the day of the said announcement. Please fill out the form with the necessary information and follow the procedures.

If for some unavoidable reason the student is unable to confirm the announcement of and register for the re-examinations, the student's guarantor or an equivalent person will be allowed to confirm and register on behalf of the student. In that case, be sure to consult with the Educational Affairs/Student Affairs Section in advance.

(1) Follow-up examinations

Students who have an authorized absence from a term examination and are permitted to take a follow-up examination may take a re-examination without registration fee.

(2) Re-examination

Fill out the "Application to Take a Re-examination" and submit it to the Educational Affairs and Student Affairs Division together with the re-examination fee of 2,000 yen per subject, and receive a "Certificate of Permission to Take a Re-examination" for the subject in question.

5. Grading

(1) Announcement of Grading

- (i) Grades for the first and second semesters will be posted on the web portal site.
- (ii) Grades will be notified to the applicant and guarantor.

(2) Grading and GPA System

1) Grading, judgment, and GP (Grade Point) are as follows.

Evaluation	100~ 90 points	89~ 80 points	79~ 70 points	69~ 60 points	59 points or less
Evaluation	S	A	B	C	D
Judgment	Pass				Failure
GP	4	3	2	1	0

Grades for courses are based on a comprehensive evaluation of the student's performance on examinations, follow-up examinations or re-exams, class participation, and regular academic progress. The grade for the re-examination will not exceed the minimum grade for those who pass the regular term examination. A grade of "D" is a failing grade.

2) GPA

GPA is a system that uses Grade Point Average (GPA) as an indicator to judge overall academic performance to grasp the status of one's own academic performance accurately and to help students plan appropriate courses and study accordingly. The system uses the Grade Point Average (GPA) as an

indicator to judge the overall academic performance of students.

3) Calculation method of GPA

$$\frac{S \text{ credits} \times 4 + A \text{ credits} \times 3 + B \text{ credits} \times 2 + C \text{ credits} \times 1}{\text{Number of registered credits}}$$

Number of registered credits

The GPA calculation is based on all courses except for those courses whose evaluation is "approved." That is, gaining more failed courses due to poor attendance or poor grades will result in lower points. Students should carefully consider the courses you register for, taking the time you have available for study into account.

Full-year courses are included in the second semester to calculate their GPA.

If a student retakes a course of which grade was "Failure," the GPA will be calculated with the GPA of the retaken course for the semester included. However, even if the student passes the course after retaking it, the GPA for the previous failed courses is still included.

(3) Course guidance based on GPA

If a student's GPA is below 1.0 in a semester, the student will be guided by a class advisor and assistant advisor; if the student has two or more consecutive semesters with a GPA below 1.0, a four-way meeting with the student and guarantor will be conducted by the class advisor and assistant advisor. If two or more consecutive semesters below 1.0, the class advisor and assistant advisor will hold a four-way conference with the student and guarantor.

(4) Missing a follow-up reexamination

No retests will be given for absent students.

(5) Grade Appeals

Students who disagree with a grade must notify the course instructor within two weeks of the grade information disclosure date.

6. Credit for Study Results Obtained Outside of the University

Courses taken outside of the University for which credit has been granted will appear as "approved" on transcripts and other documents. For details, please refer to "Registration and Credit Authorization for Courses Taken Outside of the University".

III Student Support

1. Class Advisor System

A full-time faculty member oversees each class as a class advisor, and the head of the year, deputy head of the year, and assistant advisors work together to provide students with detailed advice on coursework, course guidance and advice, and general student life.

2. Office Hours

Each week, full-time faculty members have office hours, which are equivalent to two class periods, for students to consult with them. Office hours for each faculty member will be announced at the beginning of the academic year through orientation and other means.

3. Student Counseling Office

Counselors will help students with their concerns and challenges for them to lead a meaningful student life. Please refer to the Student Handbook for details.

4. Infirmary

Students can come when they need to take a rest. Please refer to the Student Handbook for details.

5. University Office

The university has various administrative departments to support student life. Please refer to the Student Handbook for more information.

(1) Academic Affairs and Student Affairs Division

This Division provides support for problems related to academic matters, such as course registration or curriculum, as well as student life, such as the issuance of various certificates and club activities.

(2) Library

The library provides services such as borrowing and reading books and audiovisual materials and searching e-journals.

6. Career Support Center

Provide students and graduates with job introductions and information on employment, and conduct necessary guidance, seminars, company information sessions, etc. for each academic year.

IV Academic Records (leave of absence, withdrawal, etc.)

1. Leave of Absence

(1) Procedures for leave of absence

Students who are unable to attend the next semester due to illness or other unavoidable reasons may apply for a leave of absence with the joint signature of the guarantor. Students wishing to take a leave of absence must consult with their class advisor, fill in the reasons for the leave of absence on the "Application for Leave of Absence" form, and submit it to the president of the university for approval. In case of illness, a doctor's certificate must be attached.

(2) Period of absence from school

As a general rule, a leave of absence is limited to half a year or one year and may not exceed one year. However, if there are exceptional circumstances, the leave of absence may be extended for another year. The total period of absence cannot exceed 4 years.

(3) Tuition and other fees

Tuition and practical training fees are waived for those who have been granted or ordered to take a leave of absence, but the enrollment fee (facility fee) must be paid.

2. Return to School

When the period of leave of absence has expired, or when the reason for the leave of absence has been resolved, the student must consult with the class advisor, fill in the reasons for the leave of absence on the "Application for Reinstatement" and submit it to the President, signed by the guarantor, to obtain approval. If the leave of absence is due to illness, a doctor's certificate stating that the student is eligible to return to school is required.

3. Withdrawal from School

(1) Application for withdrawal

Students who wish to withdraw must consult with their class advisor, fill in the reasons for withdrawal on the "Application for Withdrawal," signed by the guarantor, and submit it to the president for approval.

(2) Tuition and Fees

Students who have not paid the tuition fees for the semester in question will not be accepted even if they submit a withdrawal request.

4. Expulsion

The following cases will result in expulsion. (Article 37 of the School Regulations)

(1) Those who have exceeded the period of enrollment stipulated in Article 14 of the school regulations

(2) Those who are unable to continue their studies beyond the period of leave of absence.

(3) Those who fail to pay the tuition fee even after being reminded to do so.

(4) Those who are deceased or missing for an extended period of time.

V Promotion and Graduation

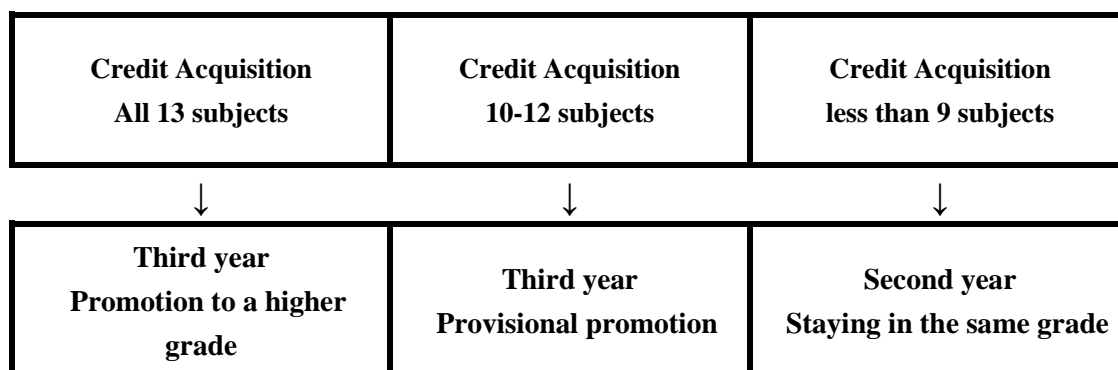
1. Requirements for Promotion (for the Department of Animal Health Technology)

This promotion requirement is only for students in the Department of Animal Health Technology. There is no promotion requirement for students in the Department of Animal Human Relations.

Promotion for the second-year students of the Department of Animal Health Technology to the third year, promotion, whether promotion to the third year, provisional promotion to the third year, or staying in the second year will be decided by the number of credits earned in the thirteen courses required in the first and second years as follows:

- (1) Students who have earned credits in all thirteen courses may be promoted to the third year.
- (2) Students who have earned credits in ten to twelve courses will be provisionally promoted to the third year.
In the third year of provisional promotion, students will be given priority to take courses for which they did not earn credits in the first and second years to earn credits. For example, if there is an overlap in the timetable between the third-year course and courses for which credits were not earned in the first and second years, the students are required to register for the first- and second-years courses that they have not earned credits yet.
- (3) If a student has earned credits in nine or fewer courses out of thirteen, the said student will be stayed in the second year. After the following year, students can register for courses in which they have not earned credits to promote to the third year and earn credits. If a student stays in the second year, graduation in four years is incapable.

First year	Liberal Arts	Basic Biochemistry
	Specialized	Introduction to Veterinary Nursing Introduction to Animal-Human Relations Animal Functional Anatomy Animal Physiology Animal Genetics
Second year	Liberal Arts	Bioethics and Animal Welfare
	Specialized	Introduction to Life Science Practice of Animal Anatomy and Physiology Animal Environmental Science Animal Behavior Veterinary Pharmacology Veterinary Pathology



2. Graduation Requirements

Graduation requirements are as follows: Students must be enrolled at the university for at least four years, earn a total of 124 credits or more in the breakdown shown in the table below, and be certified by the president of the university as a graduate.

The requirements differ depending on the department.

Department of Animal Health Technology				
Classification		Required (subject)	Selection	Total amount
Liberal Arts Courses	Humanities and Society	2	16	30
	Nature and Environment	6		
	Language, Information and Sports	6		
Subtotal		14		
Specialized Courses	Basic Specialized Subjects	24	10	94
	Specialized Subjects	54		
	Comprehensive Subjects	6		
Subtotal		84		
Total amount		98	26	124

Department of Human Animal Relations				
Classification		Required (subject)	Selection	Total amount
Liberal Arts Courses	Humanities and Society	2	18	30
	Nature and Environment	4		
	Language, Information and Sports	6		
Subtotal		12		
Specialized Courses	Basic Specialized Subjects	16	33	94
	Specialized Subjects	41		
	Comprehensive Subjects	4		
Subtotal		61		
Total amount		73	51	124

VI Registration and Credit Authorization for Courses

Taken Outside of the University

1. Courses Taken through the Consortium of Universities in Hachioji Credit Transfer System

The Hachioji area is one of the most prominent college towns in Japan, with twenty-five universities, junior colleges, and technical colleges, where approximately 110,000 students are studying. The Consortium of Universities in Hachioji was established in April 2009 with the aim of making Hachioji an even more attractive college town for universities, students, and citizens through cooperation and collaboration among them as well as economic organizations, businesses, and government agencies.

The Consortium of Universities in Hachioji has a credit transfer program as one of its various projects. The following universities, junior colleges, and technical colleges (hereinafter referred to as "universities, etc.") have concluded credit transfer agreements to promote cooperation, exchange, and collaboration, contributing to the revitalization and enhancement of education, and providing students with a variety of learning opportunities. Students who enrolled in these universities can take courses offered by other universities without paying registration fees and earn credits by passing examinations.

Various information about credit transfer will be explained during orientation.

(1) List of Partner Universities etc. for Credit Transfer (SY2024 results)

Kyorin University, Kogakuin University, Salesian College of Technology, Soka University, Takushoku University, Tama Art University, Teikyo University, Teikyo University Junior College, Tokyo Kasei Gakuin University, Tokyo University of Technology, National Institute of Technology, Tokyo College, Tokyo Junshin University, Tokyo Zokei University, Meisei University, Yamano College of Aesthetics

(2) Course Registration

Credits earned in the courses under the credit transfer system are included in the maximum number of credits for registration. When registering for these courses students should follow the instructions of the Academic Affairs/Student Affairs Section office during the orientation in April.

(3) Conditions for students who can take the course

Students in their second year or above are eligible to take courses under the Consortium of Universities in Hachioji Credit Transfer System.

(4) Field of study in which credits are earned

Credits earned through the Consortium of Universities in Hachioji Credit Transfer System will be added to the University's graduation requirements for elective liberal arts courses.

2. Credit for English Language Courses

(1) Credit Approval

Students who have taken some of tests that serve as objective indicators of their English language proficiency before or after enrollment at the University and who have achieved scores that meet the following criteria may apply for credit for English courses at the University, which will be granted after an internal review based on the certification criteria and a faculty meeting.

(2) Accreditation Criteria

1) Authorized as two credits for liberal arts education English Courses

TOEIC® 600~649

TOEFL® (PBT/CBT/iBT) 500~522/173~192/61~70

2) Liberal arts education English course approved as four credits

TOEIC® 650+

TOEFL® (PBT/CBT/iBT) 523/193/71 or higher

However, all of these must be within 12 months of obtaining the score. Those who wish to be certified by other examinations should contact the Educational Affairs and Student Affairs Division.

(3) Application procedures

- 1) Those who wish to receive credit must fill out the prescribed "Application for English Credit Approval" and submit it to the Educational Affairs and Student Affairs Division, making sure to attach the certificate of approval (a copy is acceptable).

The application period is within the first week of the first or second semester (during the course registration and change period). Applications after this period will not be accepted.

(4) Notification

The applicant will be notified as to whether or not credit will be granted. If an interview is required during the screening stage, the applicant will be notified separately.

3. Transfer of Credits Already Earned Prior to Enrollment

- (1) If the content of a course for which credits were earned at another university or junior college prior to enrollment at Yamazaki University of Animal Health Technology is judged to be identical or similar to the content of a course offered at this University, the course may be read as a course offered at this University and approved as a credit for that course.

- (2) Those who wish to receive credit must fill out the prescribed "Application for Credit Approval for Previously Earned Courses" and submit it to the Educational Affairs and Student Affairs Division, attaching a syllabus, materials, grades, and certificates of credit acquisition that show the content of the course.

- (3) Application period is within the first week of the first or second semester (during the course registration and change period).

- (4) The maximum number of credits that can be read into previously earned credits and approved as credits for the Yamazaki University of Animal Health Technology is sixty credits.

- (5) The applicant may be requested to explain the course content pro re nata by the faculty member who is in charge of the course concerned.

Syllabus

Department of Animal Health Technology Curriculum for Students Entering after 2025

Note1:The number in the table is the number of credits,and a circle(O) indicates an optional subject.

Note2:△ can be taken only once during the period concerned.

Subject group	National exam	Course title	1st year		2nd year		3rd year		4th year		Re-marks	
			1st	2nd	1st	2nd	1st	2nd	1st	2nd		
Liberal Arts Courses	Humanities and Society	○ Bioethics and Animal Welfare			2						Take at least 16 credits from all liberal arts and education subjects.	
		Philosophy		②								
		Law in Everyday Life	②									
		Life and Economy	②									
		History of Art			②							
		Psychology				②						
		Animal and Journalism		②								
		Introduction to Career Management				②						
		Nature and Environment	Basic Biology		2							
	Basic Chemistry		2									
	○ Basic Biochemistry			2								
	Environmental Science					②						
	Language, Information and Sports		English I	1								
			English II		1							
			English III			1						
			English IV				1					
			French Basic Course		②							
		Information Literacy(Basic)	1									
Information Literacy(Applied)			1									
Wellness & Physical activity					②							
Specialized Courses		Basic Specialized Subjects	Introduction to Life Science			2						Take more 94 credits from apECIALIZED education subjects.
	Biotechnology						②					
	○ Introduction to Veterinary Nursing		2									
	○ Introduction to Animal-Human Relations			2								
	○ Animal Functional Anatomy		2									
	○ Animal Physiology			2								
	○ Practice of Animal Anatomy and Physiology					2						
	○ Animal Environmental Science				2							
	○ Animal Behavior				2							
	○ Animal Genetics			2								
	○ Theriogenology						2					
	○ Veterinary Pharmacology				2							
	○ Veterinary Pathology				2							
	Specialized Subjects		○ General Theories of Veterinary Clinical Nursing	2								
			○ Practice of Veterinary Medical Nursing I		2							
		○ Veterinary Medical Nursing				2						
		○ Practice of Veterinary Medical Nursing II				2						
		○ Veterinary Surgical Nursing					2					
		○ Practice of Veterinary Surgical Nursing					2					
		○ Particular Theories of Veterinary Clinical Nursing I					2					
		○ Particular Theories of Veterinary Clinical Nursing II						②				
		○ Practice of Veterinary Clinical Nursing						②				
		○ Veterinary Laboratory Medicine			2							
		○ Practice of Veterinary Laboratory Medicine			2							
		○ Particular Theories of Veterinary Clinical Nursing III							②			
		Equipment Theory for Veterinary Medicine					1					
		Veterinary Oral Care						②				
		Practice of Veterinary Oral Care						②				
	Zoonosis					2						
	○ Public Health				2							
Animal Biochemistry					②							
○ Veterinary Infectious Diseases I			2									
○ Veterinary Infectious Diseases II					2							
Specialized Courses	Specialized Subjects	○ Small Animal Nutrition			2						Take more 94 credits from apECIALIZED education subjects.	
		Small Animal Clinical Nutrition				2						
		Veterinary Nursing of Exotic Animals							2			
		○ Veterinary Medical Communication								1		
		Theories of Pet Loss and Bereavement								②		
		An Introduction to Medical Rehabilitation					②					
		Veterinary Rehabilitation and Physical Therapy								②		
		○ Practice of Comprehensive Veterinary Nursing						2				
		○ Guidance Theory of Animal Welfare and Proper Care	2									
		○ Practice of Animal Welfare and Proper Care				2						
		Study of Companion Animal Care(Grooming)	2									
		Practice of Companion Animal Care(Basic Grooming)		2								
		Practice of Companion Animal Care(Advanced Grooming)					②					
		○ Companion Animal Science					2					
		○ Farm Animal Science						1				
	○ Laboratory Animal Science							1				
	○ Wild Animal Science				2							
	○ Regulations for Veterinary Nursing	1										
	○ Regulations for Animal Welfare and Proper Care	1										
	Medical Safety								②			
	Animal Geriatrics Technology								②			
	Home Care and Home-visit Animal Nursing Care								②			
	○ Companion Animals-related Industry								2			
	Scientific English						②					
	Comprehensive Subjects	Statistics				②						
		Practice in Animal Health Technology								①		
		Graduation Thesis								4		
		Internship					②△		②△			
		Volunteer Study&Activity	①△		①△		①△		①△			
		Short-term Animal Practical Training Abroad	④△		④△		④△		④△			
Special Seminar I		0.5										
Special Seminar II				0.5								
Special Seminar III						0.5						
Special Seminar IV									0.5			

【Remarks】

If a student takes and earns credits in a specialized education elective offered by the Department of Human Animal Relations, it will be considered as a specialized education elective and will be included in the graduation requirements.

Department of Human Animal Relations Curriculum for Students Entering after 2025

Note1: The number in the table is the number of credits, and a circle(O) indicates an optional subject.

Note2: Δ can be taken only once during the period concerned.

Subject group	National exam	Course title	1st year		2nd year		3rd year		4th year		Re- marks	
			1st	2nd	1st	2nd	1st	2nd	1st	2nd		
Liberal Arts Courses	Humanities and Society	○ Bioethics and Animal Welfare			2						Take at least 18 credits from all liberal arts and education subjects.	
		Philosophy		②								
		Law in Everyday Life	②									
		Life and Economy	②									
		History of Art			②							
		Psychology			②							
		Animal and Journalism		②								
		Introduction to Career Management			②							
		Nature and Environment	Basic Biology		2							
	Basic Chemistry		2									
	○ Basic Biochemistry			②								
	Environmental Science				②							
	Language, Information and Sports		English I	1								
			English II		1							
			English III			1						
			English IV				1					
			French Basic Course		②							
		Information Literacy(Basic)	1									
Information Literacy(Applied)			1									
Wellness & Physical activity				②								
Specialized Courses		Basic Specialized Subjects	Introduction to Life Science			2						Take more 94 credits from specialized education subjects.
	Biotechnology						②					
	○ Introduction to Veterinary Nursing		2									
	○ Introduction to Animal-Human Relations			2								
	○ Animal Functional Anatomy		2									
	○ Animal Physiology			2								
	○ Practice of Animal Anatomy and Physiology					②						
	○ Animal Environmental Science				②							
	○ Animal Behavior				2							
	○ Animal Genetics			2								
	○ Theriogenology						2					
	○ Veterinary Pharmacology				②							
	○ Veterinary Pathology				②							
	Specialized Subjects		○ General Theories of Veterinary Clinical Nursing	2								
			○ Practice of Veterinary Medical Nursing I		2							
			○ Veterinary Medical Nursing				②					
			○ Practice of Veterinary Medical Nursing II				②					
			○ Veterinary Surgical Nursing					②				
		○ Practice of Veterinary Surgical Nursing					②					
		○ Veterinary Laboratory Medicine			②							
		○ Practice of Veterinary Laboratory Medicine			②							
		Zoonosis					2					
		○ Public Health				2						
		○ Veterinary Infectious Diseases I			2							
		○ Small Animal Nutrition			2							
		Human-Animal Interaction				2						
		Social Welfare					②					
		Clinical Psychology					②					
		Communication						1				
		Theories of Pet Loss and Bereavement							2			
		Theory of Animal Assisted Therapy					2					
	Practice of Animal Assisted Therapy-Student Laboratory						②					
	Theory of Assistance Dog					2						
	Companion Animal Breeding and Their Resources					②						
	○ Guidance Theory of Animal Welfare and Proper Care	2										
	○ Practice of Animal Welfare and Proper Care				2							
Specialized Courses	Specialized Subjects	Study of Companion Animal Care(Grooming)		2							Take more 94 credits from specialized education subjects.	
		Practice of Companion Animal Care(Basic Grooming)		2								
		Practice of Companion Animal Care(Advanced Grooming)				②						
		Practice of Companion Animal Behavior						①				
		Companion Dog Training Theory						②				
		Practical Training of Companion Dog							②			
		Characteristics of Domestic Dogs Domestic Cats						2				
		Characteristical Theory of Exotic Animals						②				
		Characteristics of Companion Birds							②			
		Gerontology and Dog Walking							②			
		○ Farm Animal Science						1				
		○ Laboratory Animal Science							1			
		○ Wild Animal Science				2						
		○ Regulations for Veterinary Nursing	1									
		○ Regulations for Animal Welfare and Proper Care	1									
		Medical Safety								2		
		Animal Health Emergency Management								2		
		○ Companion Animals-related Industry								②		
	Pet Business Entrepreneurship								②			
	Consumer Behavior Analysis								②			
	Information Risk Management								②			
	Animals in Art	①										
	Animal Cultural Anthropology							②				
	Aquatic Zoology							②				
	Zoo & Aquarium Science						②					
	Pestology							②				
	Scientific English							②				
	Academic Skills							2				
	Statistics							②				
	Practice in Animal Health Technology								①			
	Graduation Thesis								④			
	Internship							②Δ	②Δ			
	Volunteer Study&Activity	①Δ		①Δ		①Δ		①Δ	①Δ			
	Short-term Animal Practical Training Abroad	④Δ		④Δ		④Δ		④Δ	④Δ			
	Special Seminar I	0.5										
	Special Seminar II			0.5								
Special Seminar III					0.5							
Special Seminar IV								0.5				

【Remarks】

If a student takes and earns credits in a specialized education elective offered by the Department of Animal Health Technology, it will be considered as a specialized education elective and will be included in the graduation requirements.

Liberal Arts Courses

Course	Bioethics and Animal Welfare				Practitioner teacher	Inst-ructor(s)	MITSUI Kana SAKURAI Hiroko
Course Period	2nd year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
<p>1. concept of bioethics</p> <p>(1) Understand the concept of bioethics</p> <p>(2) To understand the relationship between bioethics and veterinary medicine</p> <p>2. concept of animal welfare</p> <p>1) To understand the concept of animal welfare</p> <p>2) To understand the "five freedoms" (freedom from hunger and thirst; freedom from pain, injury, and disease; freedom from discomfort; freedom to act as one should; freedom from fear and oppression)</p> <p>(3) Understand modern and contemporary animal rights movements in the world and in Japan.</p> <p>4) Understand "animal rights" and "animal welfare" philosophy and issues</p> <p>5) To understand the evaluation methods of animal welfare in terms of physiological and behavioral indicators</p> <p>6) To understand the concept of euthanasia</p> <p>3. welfare of pet animals</p> <p>1) To understand the proper care of pet animals and welfare issues</p> <p>(2) To understand the current status and issues of animal protection activities in Japan and abroad</p> <p>(3) To understand the problems of abandonment and killing of animals and the measures taken</p> <p>(4) To understand the current situation of and countermeasures against wanton killing and abuse of animals (active abuse and neglect)</p> <p>(5) To understand how to respond to disasters involving farmed animals</p> <p>4. welfare of industrial animals</p> <p>1) To understand welfare issues in industrial animals</p> <p>2) To understand international welfare standards</p> <p>3) To understand specific methods to improve the welfare of industrial animals</p> <p>5. welfare of laboratory animals</p> <p>1) To understand welfare issues in laboratory animals</p> <p>(2) To understand the concept and specific methods of the 3Rs (Replacement, Reduction, and Refinement)</p> <p>6. welfare of exhibit animals</p> <p>(1) Understand welfare issues of animals in exhibits</p> <p>(2) Understand the types and details of environmental enrichment for exhibit animals</p>							
Lecture Outline							
Learn about the concept of bioethics and animal protection and welfare.							
Lesson Plan							Teacher in charge
1 Ethics in veterinary medicine: Definition of animals / Veterinarian's oath							SAKURAI
2 Ethics in veterinary nursing: Role of veterinary nurses / Ethical code for veterinary nurses							SAKURAI
3 Historical changes in views of animals: Culture, religion and views of animals							SAKURAI
4 Thinking from the perspective of pet animals: Animal communication							SAKURAI
5 Communication with the pet owner: Informed consent / Shared decision making							SAKURAI
6 End-of-life care, Euthanasia, Pet loss							SAKURAI
7 Proper care of pets animal: Symbiotic society of humans and animals							SAKURAI
8 Disaster prevention countermeasure for pet animals: Disaster preparedness / Evacuation shelter measures							SAKURAI
9 Concept of Animal Welfare ①							MITSUI
10 Concept of Animal Welfare ②							MITSUI
11 Welfare of pet animals Proper care and welfare issues of pet animals / Current status and issues of animal protection activities in Japan and abroad							MITSUI
12 Welfare of pet animals: Issues of abandonment and killing, and countermeasures / Current status of and countermeasures against wanton killing and abuse of animals (active abuse and neglect) / Response to disasters involving pet animals							MITSUI
13 Welfare of industrial animals Welfare problems in industrial animals / International welfare standards / Specific methods to improve welfare of industrial animals							MITSUI
14 Welfare of Laboratory Animals Welfare issues in laboratory animals / Concepts and specific methods of the 3Rs (Replacement, Reduction, Refinement)							MITSUI
15 Welfare of Exhibited Animals Welfare Issues in Exhibited Animals / Types and Contents of Environmental Enrichment for Exhibited Animals							MITSUI

Feedback on Assignments (exams, reports, etc.)

A quiz on class content will be given at the end of each lecture (content of lessons 7th to 14th). The class will be based on handouts, PowerPoint presentations, and written notes. Students are encouraged to actively take notes on important information.

Course Notes

We want to encourage a broad interest in all life, including animals, and an attitude of awareness of our responsibility as human beings.

Contents of Prior and Post-learning (preparation and review)

Read the lecture resumes carefully to master the content.

Evaluation Method (including evaluation criteria)

Comprehensive evaluation is based on 40% participation in class, quizzes and assignments, and 60% regular examinations.

Textbook

愛玩動物看護師カリキュラム準拠 教科書第4巻 動物看護学概論／人と動物の関係学／生命倫理学・動物福祉 EduwardPress

Reference books, Teaching Materials, etc.

Introduce in class as appropriate.

Course	Philosophy				Practitioner teacher	Inst-ructor(s)	KITA Natsuko
Course Period	1st year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
In modern society, humans have complex and rich relationships with animals. However, our views of animals are not fixed, but are fluid, reflecting our views of life and the world. The purpose of this lecture is to help students to think more deeply and from multiple perspectives about the relationship between animals and humans, about their own "way of life," and to be able to have their own opinions, by learning about the various views of animals that have appeared in the history of philosophy.							
Lecture Outline							
This course will cover the history of philosophy from ancient Greece to the present, focusing on the relationship between humans and animals. Philosophy on animals cannot be separated from each philosopher's view of the world. This course will provide an overview of the thought of philosophers, address their views on animals, and explore the sources of the various views on animals currently adopted. In 2025, we will focus on the philosophies of Aristotle, Descartes, Condillac, Bentham and Mill, and Derrida. We will also discuss animal liberation and animal rights. The course will provide time for dialogue so that participants can learn about each other's opinions and ways of thinking as well as deepen their understanding of the other participants' and their own ways of thinking.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction. What kind of discipline is philosophy? 2 Philosophy of Ancient Greece. 3 Aristotle. 4 Aristotle's reflections on animals. 5 Modern philosophy. 6 René Descartes. 7 Descartes' reflections on animals. 8 Condillac's reflections on animals. 9 Utilitarianism. 10 Jeremy Bentham. 11 John Stuart Mill. 12 Derrida's reflections on animals. 13 Animal liberation. 14 Animal rights. 15 Summary. 							
Feedback on Assignments (exams, reports, etc.)							
I will accept your questions and opinions via reaction papers that you will be asked to submit after each class. Questions and requests will be answered in the next class.							
Course Notes							
Please read the materials distributed in advance and attend class with your own awareness of the issues in mind.							
Contents of Prior and Post-learning (preparation and review)							
Pre-learning: Read the distributed materials. Post-learning: You should review the content covered in class and prepare for the regular exam.							
Evaluation Method (including evaluation criteria)							
You will be evaluated comprehensively based on your participation and contribution in class (50%), reaction papers (20%), and regular exam (30%).							
Textbook							
René Descartes, <i>Discourse on the Method</i> , translated by Tanigawa Takako, Iwanami Bunko, 1997. Other texts to be covered will be indicated during class and distributed as handouts.							
Reference Books, Teaching Materials, etc.							
<i>A Beginner's History of Philosophy: For Deep and Strong Thinking</i> , edited by Takeda Seiji and Nishi Ken, Yuhikaku Alma, 1998 (This English title was translated by this syllabus writer) . Other reference books and teaching materials will be introduced as appropriate.							

Course	Law in Everyday Life				Practitioner teacher	Inst-uctor(s)	SHIBUYA Hiroshi
Course Period	1st year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
The goal of this program is to acquire the legal knowledge and legal dispute resolution procedures necessary for daily life.							
Lecture Outline							
Gain knowledge of basic laws such as the Constitution, Civil Code, and Criminal Law Students will also learn about contract types such as sales contracts, consumer lease agreements, lease agreements, contract agreements and deposit contracts. Students will learn about the litigation system, especially the lay judge system. In addition, he also aims to acquire industry-specific legal knowledge related to pets. Learn about the provisions of the Animal Welfare And Management Act. Students will learn about the actualities of veterinary malpractice lawsuits and other daily legal issues surrounding pets.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction to Law, History of Law, Orders for Mercy on Living Things in the Edo Period 2 Constitution of Japan, Human Rights Issues, Renunciation of War, Tenno system, Political Structure, Constitutional Revision, etc. 3 Sales contracts, consumer protection systems, cooling-offs, etc. 4 (1) Notes on lease agreements, conclusion of contracts, and how to resolve problems with landlords (2) Other civil law contracts, consumer loans, delegation agreements, deposit agreements, etc. 5 (1) Family legal issues, marriage, divorce, inheritance, etc. (2) Issues related to insurance systems and labor laws, rules of employment, unfair dismissal, etc. 6 (1) Crime and punishment issues, stimulant crimes, animal welfare law penalties provisions, etc. (2) Flow of judicial law, civil and criminal proceedings 7 Lay Judge System 1 (Outline of the system) 8 Lay Judge System 2 (Case study of arson) 9 About the lay judge system 3 (case of attempted murder and injury) 10 About the lay judge system 4 (case of killing and self-defense) 11 Prohibition of underage drinking and traffic laws 12 Veterinary Malpractice Case 1 13 Veterinary Malpractice Case 2 14 Animal Welfare Act and other Animal Laws 1 15 Animal Welfare Act and other Animal Laws 2 							
Feedback on Assignments (exams, reports, etc.)							
Answer questions in class appropriately. If there is a request for classes, we will respond as much as possible.							
Course Notes							
Most of the exam questions are given from the topics covered in the class, so it is desirable to take notes during the class. Review is more important than preparation.							
Contents of Prior and Post-learning (preparation and review)							
Reread the distributed material.							
Evaluation Method (including evaluation criteria)							
Students are evaluated comprehensively based on whether they have a good understanding of the content of the class, whether they have basic legal knowledge about daily life, and whether they have knowledge of legal issues related to animals, and whether they have knowledge of legal issues related to animals, and based on the degree of participation in the class (3%) and the regular examination (97%).							
Textbook							
「ペットのトラブル相談Q&A (第2版)」							
Reference Books, Teaching Materials, etc.							
「ペットの判例ガイドブック」「動物看護コアテキスト第1巻 (第2版) 人と動物の関係」 「ねこの法律とお金」							

Course	Life and Economy				Practitioner teacher	Inst-uctor(s)	MATSUDA Takefumi
Course Period	1st year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
In this class, students will understand basic economic knowledge that is closely related to daily life. At the same time, students will gain an understanding of the economic knowledge they will need to lead a social life as a member of society in the future.							
Lecture Outline							
Many of the things we experience in our daily lives are closely related to the economy. Shopping is an economic act of consumption, and working part-time is an economic act of labor. Saving for the future is an economic act of saving, and studying at a university is an economic act of investing in oneself. Economics is a theory of our various economic activities. In this lecture, students will deepen their understanding of the fundamentals of economics as it relates to daily life, working life, and life in general, as well as their relationship with the world, in order to deepen their understanding of the fundamentals of economics as it relates to daily life, as well as to working life as an adult after graduation.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Thinking about the relationship with the economy in daily life. (Including a review of how the class will proceed and the class outline) 2 Learn about our relationship with the economy in our daily lives. (goods and services, microeconomics, macroeconomics) 3 Learn how the price of a commodity is determined. (supply and demand, scarcity, supply chain) 4 Learn how the exchange of goods and services works. (markets, Pareto optimum, market externalities, shared goods) 5 Learning about the Economy from Work. -The Economy from Paycheck to Paycheck - (Household Income, Income, Consumer Spending, Savings) 6 Study the economy through the role of corporations. (1) (The raison d'etre of the corporation, perfectly competitive markets, monopolies and oligopolies) 7 Study the economy in terms of the role of firms. (2) (Game theory, Nash equilibrium, prisoner's dilemma) 8 The role of companies to learn about the economy. (3) (Human capital management and health management, work-life balance, wellbeing) 9 Learn the relationship between life stages and the economy. (1) (Engel's coefficient, cost of each life stage) 10 Learning about the relationship between life stages and the economy. (2) (Life Shift, Learning as Investment, Social Relational Capital) 11 Learn about the relationship between life, the economy and the country. (1) (market economy, GDP and GNP, inflation and deflation, prices) 12 Study the relationship between life, the economy and the country. (2) (fiscal policy, monetary policy, pensions) 13 Learn about the relationship between daily life and the global economy. (trade, yen appreciation and depreciation, reserve currencies and local and virtual currencies) 14 Learn about the future relationship between life and the economy. (innovation, declining birthrate, aging population, virtual worlds and metaverse) 15 Learn about "Life and Economy" and think about your own prosperous life. 							
Feedback on Assignments (exams, reports, etc.)							
Instead of examinations, students will be required to submit reports (twice) as assignments. The assignment, submission dates, etc. will be given in class. Feedback will be given in the lectures in the form of explanations, advice, etc.							
Course Notes							
In the course of daily life experiences, students should be interested in economic information around them, such as newspapers and the news, and consciously try to take an interest in the relationship between their own lives and the economy.							
Contents of Prior and Post-learning (preparation and review)							
Pre-class study: "Research the keywords of each class session in advance, summarize the results, and participate in class. Post-lesson study: "After each class, read through the handouts and other materials again to deepen your understanding of what you have learned in class.							
Evaluation Method (including evaluation criteria)							
Assignments and reports (70%) and class participation (30%) will be evaluated comprehensively.							

Textbook

Not specified.

Reference materials will be distributed as necessary.

Reference Books, Teaching Materials, etc.

Reference book "4-year college economics mirumidake notebook" by Taichi Kogure, Takarajima Corporation (1,100 yen + tax) Other reference books will be introduced during the lecture.

Course	History of Art				Practitioner teacher	Inst-ructor(s)	NAGANOU Mika
Course Period	2nd year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
To understand the flow of Western art and the formative principle of each period's art, which is the basis for appreciating and enjoying artworks. The goal of this course is to dispel preconceived notions that unfamiliar works of art are often shunned as inaccessible, and to cultivate the ability to look at works of art freely.							
Lecture Outline							
Human beings have a sense of beauty that adds color to their lives, and a spirit that worships supernatural forces. This decorative instinct and faith are the two sources that give birth to art. This lecture will provide an overview of the flow of Western art from ancient times to the modern era. We will take up representative works from each period and carefully examine their forms by explaining them in words. The aim is to clarify the essence of each period's art forms by looking at the works carefully, rather than just listing the knowledge. We will also introduce many works featuring animals. Through art, we will try to understand the relationship between humans and animals, and the values and meanings that humans had for animals. Animals, sometimes deified, sometimes given "symbolism" or "allegory," have played an important role as a source of human creation.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Art and History of Art 2 The Curious Beginning of Art 3 Ancient Egyptian and Oriental Art 4 Ancient Mediterranean Art and Greek Art 5 Hellenistic Style and Roman Art: Sources of European Culture I 6 Early Cristian Art: Sources of European Culture II 7 Formative Principles of Medieval Art in Western Europe and Romanesque Art 8 Romanesque Monsters and Source of Imaginary 9 Gothic Art and the Dawn of the Renaissance 10 Early Renaissance I: Early Netherlandish Painting 11 Early Renaissance II: Italy 12 The High Renaissance: Leonard da Vinch, Raffaello, Michelangelo and others 13 Establishment of the Modern Drawing and Expression of Animals in the Post Renaissance 14 Baroque Art 15 The Golden Age of Dutch Painting 							
Feedback on Assignments (exams, reports, etc.)							
I provide feedback the following week on any small assignments.							
Course Notes							
The classroom will be darker than usual to project the works clearly. Students should prepare a penlight to illuminate their hands for taking notes, or a cell phone with a lightning function (to be explained at the beginning of the class).							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Read a simple overview of art history or the cultural history section of a history textbook or illustrated book to help you understand the lecture. Post-lecture study: Research and familiarize yourself with the technical terms used in the lecture.							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on the ratio of class participation (50%) and lecture reports (50%).							
Textbook							
Do not use.							
Reference Books, Teaching Materials, etc.							
Although not used, important books and exhibitions will be introduced during lectures as appropriate.							

Course	Psychology				Practitioner teacher	Inst ructor(s)	KATO Rie
Course Period	2nd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
Psychology has used unique and diverse perspectives and scientific methods to understand human beings and to accumulate valuable knowledge for their development and problem-solving. While there are various findings, in this lecture, in addition to matters related to perception, memory, learning, emotion, brain and nerves, and development as basic items of psychology, we will add a new approach called positive psychology, learn about the movement of the human mind from various perspectives including its physical foundation, deepen our interest in and understanding of others and ourselves, and develop our ability to live in modern society. The objective is to deepen interest in and understanding of others and oneself and to cultivate the ability to live in modern society.							
Lecture Outline							
In this lecture, students will learn about perception and memory, learning, intelligence, emotion, brain and nerves, the relationship between society and individuals, and psychological and social development as basic items of psychology, as well as personality, mental problems and solutions, prevention and assistance as clinical psychological areas, and understand the basics of clinical psychology and communication theory to be studied next. Since this is the first psychology course, students will learn psychology as a familiar discipline by taking up everyday examples and using audio-visual materials.							
Lesson Plan							
<ol style="list-style-type: none"> 1 History of Psychology 2 Research in Psycholog 3 Mind and Brain I: Mind and Brain 4 Mind and Brain II: Mind and Nerves 5 Perception 6 Memory I: A Brief History of Memor 7 Memory II: Living and Memory 8 Learning 9 Emotion 10 Self and Relationships 11 Human Development I: Infancy to Childhood 12 Human Development II: Adolescence and Beyond 13 Psychological Problems and Assistance I: Stress 14 Mental Health Problems and Assistance II: Mental Health, Normal and Abnormal 15 Tests and explanations 							
Feedback on Assignments (exams, reports, etc.)							
After the test is collected as feedback, the answers are explained.							
Course Notes							
Students must reflect on their own psychological experiences to gain a fundamental understanding of the lecture content. In addition, students are expected to review and submit reports on their impressions steadily. Students are expected to participate actively in class and not to be absent, late, or speak in private. In this lecture, seating will be assigned in the order of student registration numbers to check attendance and efficiency in collecting work and reaction papers.							
Contents of Prior and Post-learning (preparation and review)							
Prior study: "Do some research on topics related to the content of each class session. Post-lesson study: "After each class, understand and organize the critical keywords of the class							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation based on class participation, motivation (70%) and examination (30%).							
Textbook							
PDF data will be provided. You can download and print out the materials as needed.							
Reference Books, Teaching Materials, etc.							
Reference books will be introduced during the lecture. Audio-visual equipment such as videos will be used							

Course	Animal and Journalism				Practitioner teacher	Inst-ructor(s)	NISINA Kunio
Course Period	1st year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
<p>People's values and attitudes toward animals vary greatly depending on the era, ethnic group and region, and continue to change. In this course, we will take up various events about animals that are reported in newspapers, magazines, and TV programs, such as the problems of invasive species, rare animals that are threatened with extinction, and the relationship between wild animals and people's lives. This course aims to learn and understand the relationship between people and animals (wildlife, domestic animals, livestock, pets) and changes in consciousness.</p>							
Lecture Outline							
<p>In this course, we will discuss how the relationship between animals and people has been reported through journalism, using articles in newspapers, magazines, and TV news. It will also touch on the transfiguration of animal-related news and the background of them, as needed, mention about Act on welfare of animals, nature conservation, and conservation of species. The lecture will mainly focus on dogs and cats but will be expanded to include the learning of ecology and history of other animals with various documents and data.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Recent News Biodiversity. Decreasing number of animals. Sparrows has also decreased. 2 Recent News The mystery of Homo sapiens passing on DNA from the distinct neanderthals and Denisovans. 3 Recent News Raccoons, masked palm civets, mongooses, and a wave of exotic animals gone wild. 4 Recent News Extinct animals Japanese wolf passenger pigeon, thylacine and others. 5 Recent News The history of domesticated rabbits. Wild rabbits are a major pest in Australia. What's happening. 6 Recent News How Darwinian evolution, the theory that has had the greatest impact on humanity, is transmitted and thought about. 7 Recent News Revival of albatross, Revival of Pentalagus furnessi (amaminokurousagi).. 8 Recent News The doctor who saved person's life with a rabies vaccine: L. Pasteur and K. Kurimoto. 9 Recent News Why was the noneko (feral cat) chosen as one of the 100 worst invasive animals in the world? 10 Recent News The Future of the Endangered Eel. 11 Recent News Why are dogs called "inu"? Why are cats called "neko"? Think about the etymology. 12 Recent News The mystery of Overwintering Swallows. 13 Recent News The history and transformation of zoo. What is the significance. 14 Recent News The deer in Nara park and environmental protection. 15 Recent News Gorillas, chimpanzees, bonobos, Japanese macaques...the divide between humans and monkeys. 							
Feedback on Assignments (exams, reports, etc.)							
<p>After the previous week's lecture, I will answer questions and give supplementary explanations based on the mini-reports (student's impressions and questions) submitted by all students.</p>							
Course Notes							
<p>A two or four pages A4 document will be distributed on the day of the class. Students will be asked to submit a mini-report on that day's class, "Impressions and Questions". The theme may change depending on the news from time to time.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>If necessary, explain the theme and outline of the next week's lecture.</p>							
Evaluation Method (including evaluation criteria)							
<p>Class participation and post-class comments and questions (mini-report) 60%, report to be submitted at the end of the semester 40%.</p>							
Textbook							
None in particular							
Reference Books, Teaching Materials, etc.							
None in particular							

Course	Introduction to Career Management				Practitioner teacher	Inst-uctor(s)	NAKAMURA Akira
Course Period	2nd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
As globalization and individualization progress, and the employment environment and employment patterns change and diversify, each and every one of us is being asked what kind of values and how to live. In addition to deepening self-understanding through self-analysis toward the life and vision of the person they want to lead, they will acquire the ability to learn about society and set their own career goals, and acquire the ability to make their own choices. The goal is to be able to develop and practice a career that makes use of the courses taken at our university.							
Lecture Outline							
"Career" means a career, a life, a way of living. In this lecture, students will learn about their own lives in a broad sense of life career, which is an individual's way of life, and narrow their work-related professional careers. In this course, students will understand the basics of career design through lectures and practice. Use worksheets to conduct self-analysis to deepen self-understanding and explore future possibilities. Then, while promoting an understanding of how to work in society, what it means to find a job, and what kind of human resources will be required in society in the future, we will encourage students to make a plan and put it into practice for how to lead this student life. Lectures will be given on thoughts and actions to "choose," "cultivate," and "own" the path.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Orientation: Explanation of the purpose, content, and procedures of the class, grading criteria, and encouragement of greetings 2 Modern Society and Career Design: Basic Understanding of Career Design: Self-Analysis and Self-Discovery 3 Career and Life Planning (1): Life Cycle and Occupation 4 Career and Life Planning (2): Lifetime Earnings and Occupation 5 Career and Life Planning (3): Career and Lifelong Development 6 Self-understanding for career (1): Meaning of work and sense of one's own occupation 7 Understanding Yourself for Your Career (2): Knowing Your Strengths and Weaknesses 8 Understanding careers and work (1): Clarifying student life and career awareness 9 Understanding careers and work (2): Considering changes in the economic and employment environment and work styles 10 Understanding careers and workplaces (1): Examining career development and one's suitability for a variety of occupations and industries 11 Understanding careers and workplaces (2): Diverse occupations and industries and suitable jobs for yourself, Understanding the work of police officers and forensic scientists as public servants and police dogs 12 Resume Creation (1): How to write a resume 13 Resume Creation (2): Resume Creation 14 Career Case Studies: Learn from various career developments, Career Coverage 15 Career Management: Grasp the direction of career design 							
Feedback on Assignments (exams, reports, etc.)							
As feedback, explanations and advice will be given after the reports are collected.							
Course Notes							
If some of the content or the order of the lectures is changed, you will be notified in the lecture. What is necessary for a working adult? Think about the differences between being a student and a working adult. Think about self-analysis, self-promotion, and your strengths and weaknesses.							
Contents of Prior and Post-learning (preparation and review)							
Prior learning "Read the pages of the textbook related to the contents of each class session. Post-lesson study: "After each class, research and summarize the relevant content on the Internet, in the library, etc."							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on 30% on class participation and 70% on presentations and submission of assignments (worksheets and reports).							
Textbook							
Career Design Course 3rd Edition: Cultivating Self-Determination through Theory and Practice" Supervised by Noboru Omiya, Nikkei BP Soft Press(Distribute materials as appropriate.)							
Reference Books, Teaching Materials, etc.							
It will be introduced during the lecture. The resume of the lecture will be distributed.							

Course	Basic Biology				Practitioner teacher	Inst- ructor(s)	NAGASHIMA Takayuki
Course Period	1st year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
<p>This course provides students with basic knowledge of a wide range of biology, including bacteria and plants. The content of this course is an overview of the content covered in the required basic subjects from the second year and higher. This course aims to visualize and explain the substances that make up living organisms, their structures, metabolism, genetic systems, and the terminology of normal animal life in general.</p>							
Lecture Outline							
<p>Biology is a branch of natural science that studies the origins of living organisms and biological phenomena. The goal of this course is to provide a comprehensive understanding of the structure and function of the cell, the smallest unit of life, the substances that make up living organisms, metabolism, individual development, homeostasis, and mechanisms for adaptation to the environment. In addition, students will deepen their understanding of the significance of biological diversity from the perspective of comparative biology and acquire the basic knowledge necessary to understand and study other specialized courses.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Orientation (classroom procedures, credit system, evaluation, etc.), global history 2 History of life: from the birth of life to the Mesozoic era 3 History of life: from the Mesozoic era to the present day 4 Phylogeny and classification of living organisms, scientific names 5 Cell structure and function 6 Methods of cell observation 7 Substances that make up living organisms 8 Nutrients and metabolism (sugar metabolism, lipid metabolism, etc.) 9 Anabolic and catabolic processes 10 Mechanisms of heredity (laws of heredity) 11 Various genetic phenomena and the use of genes 12 Reproduction and development (gamete formation, sexual reproduction, asexual reproduction, morphogenesis, etc.) 13 Tissues and organs, homeostasis 14 Habits and behavior, ecosystems 15 Conclusion (Re-explanation of the most important points above 14 lessons) 							
Feedback on Assignments (exams, reports, etc.)							
<p>A quiz on the course content will be given at the end of each lecture. Questions about the lecture content will be accepted after each lecture and will be explained in the subsequent lectures. Assignment reports will be returned with comments and evaluations (corrective feedback).</p>							
Course Notes							
<p>The class will be conducted based on handouts, power points, and videos on the Moodle system. Students are encouraged to write down important information in their notebooks and make notes in their own handwriting to consolidate their memory. If you are not able to attend class, you must inform the teacher of the reason for your absence. If you are absent without notifying the teacher, your grade will be deducted. Moodle will post announcements and class reference materials, so be sure to check them before each lecture.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior study: Read the material for the next class on Moodle and understand the meaning of technical terms. After class: It is advisable to write down the important points explained in the lecture in your notebook. Reread the handouts.</p>							
Evaluation Method (including evaluation criteria)							
<p>Comprehensive evaluation will be made from the end-of-term examination (60%), class participation (30%), and report assignments (10%). The report assignment will be presented at the end of the 7th lecture. To be submitted at the end of the 8th lecture. Class participation will be assessed by a combination of attendance responses submitted at the end of each lecture and a quiz on class content on the Moodle system.</p>							
Textbook							
<p>Lecture materials will be posted on Moodle in advance of each lecture session and distributed during the lecture.</p>							
Reference Books, Teaching Materials, etc.							
<p>Reference books will be introduced in the lecture.</p>							

Course	Basic Chemistry				Practitioner teacher	Inst-uctor(s)	MATSUI Shosaku
Course Period	1st year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
<p>This course focuses on the basics of chemistry, which is closely related to our daily lives, other living organisms, and the natural environment, and aims to help students understand the fundamentals of organic chemistry and biomaterials chemistry from basic principles. In addition, students will acquire a wide range of applied knowledge that is indispensable when handling living organisms and pharmaceuticals in the medical and nursing fields, to build a foundation for specialized education.</p>							
Lecture Outline							
<p>Chemistry is a vast field of study that is essential to the understanding of all materials on earth. This course focuses on the fundamentals of chemistry, which are closely related to life, living, and the environment, and comprehensively covers basic chemical principles, organic chemistry, and the fundamentals of biological material chemistry. In this course, students will acquire a wide range of applied knowledge indispensable when handling living organisms and pharmaceuticals in the medical, pharmaceutical, and nursing fields, and will build a foundation for specialized education.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 The Origins of Chemistry 2 Atoms and Their Structures 3 Electron Configuration 4 Elements and the Periodic Table 5 Atoms and Ions 6 Chemical Bonds and Molecules 7 Quantity of Matter, State of Matter 8 Chemistry of Solutions 9 Acids and Bases, Oxidation and Reduction 10 Organic Chemistry I; Structure of Organic Compounds 11 Organic Chemistry II; Isomers and Stereochemistry 12 Organic Chemistry III; Organic Chemical Reactions 13 Organic Compounds I: Macromolecules, Carbohydrates and Lipids 14 Organic compounds II: Amino acids, Proteins, Nucleic acids 15 Relationship between Medicine, Animal Care, Daily Life, and Chemistry 							
Feedback on Assignments (exams, reports, etc.)							
Feedback on exams, reports and questions will be given in the lecture.							
Course Notes							
In the lecture, assignments or quizzes will be given as necessary to confirm learning.							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Read the textbook according to the class plan.							
Post-learning: Review the hand-out and complete the assignments.							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation based on the exam (65%), and assignments and quizzes (35%).							
Textbook							
Saito K, Arai S, Kubo K: Co-Medical Chemistry. Revised edition. Shoka-Bo. 2022. in Japanese.							
Reference Books, Teaching Materials, etc.							
Samaki T: Once you read it, you will never forget it! Chemistry textbook. SB creative. 2023. in Japanese.							
Biochemistry Young Researchers' Group: This is all! Biochemistry, 2nd edition. 2021. in Japanese.							
Other reference books will be introduced in the lecture.							

Course	Basic Biochemistry				Practitioner teacher	Inst-ructor(s)	SUZUKI Mitsuyuki
Course Period	1st year 2nd semester	Required subject 2 credits Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
Biochemistry is the study of biological phenomena based on the functions and metabolisms of various biological substances. This lecture aims to understand the structure of cells, the function of DNA, the metabolism of various nutrients (carbohydrates, proteins, lipids), and the nature, function, production, secretion and feedback of endocrine.							
Lecture Outline							
The purpose of this course is to learn the mechanism of animal life maintenance with the aspect of biochemistry, understand animals as living organisms at each level of cells and tissues, and establish the basis for learning about pathological changes. Also, learn about life phenomena.							
Lesson Plan							
1 Introduction: Life Preservation and Biochemistry Basics 2 Enzymes 3 Carbohydrate metabolism 4 Lipid metabolism 5 Amino Acids · Protein metabolism 6 Nucleotide metabolism 7 Genetic information and expression 8 Vitamins 9 Hormones 10 Water and Inorganics 11 Biochemistry of Organs 12 Biochemistry of DiseasesI 13 Biochemistry of DiseasesI 14 Biochemical tests of blood 15 Summary							
Feedback on Assignments (exams, reports, etc.)							
Each time, a quiz will be given on the content of the previous class, and each student will grade the answers to self-evaluate their level of achievement. The answer sheet for the quiz will be collected on the day, and the overall level of achievement will be announced next time.							
Course Notes							
They should use the libraries and other facilities at this university and be actively exposed to reference books and other materials.							
Contents of Prior and Post-learning (preparation and review)							
Read the reference books related to the contents of each class in advance.							
Evaluation Method (including evaluation criteria)							
Students will be evaluated comprehensively based on exams, and class participation (including quizzes). The ration will be 80% for examinations or reports and 20% for class participation (including quizzes).							
Textbook							
基礎からしっかり学ぶ生化学 羊土社							
Reference Books, Teaching Materials, etc.							
Reference books will be introduced in the lecture.							

Course	Environmental Science				Practitioner teacher	Inst-ructor(s)	ISHIKAWA Makiko
Course Period	2nd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
<p>The rudiments of environmental science are essential for understanding the issues confronting modern society. In this course, students will gain an understanding of the characteristics of the modern global environment and material cycles, learn to think proactively about environmental conservation and restoration, and develop an integrated perspective on environmental issues. Students will achieve a basic understanding of the factors causing critical environmental problems on a global scale and will learn to propose measures to address these issues and articulate their thoughts in their own words.</p>							
Lecture Outline							
<p>Environmental science is the study of the origins and characteristics of the natural environment surrounding living organisms, including humans. In this course, students will first study the characteristics of the global environment (atmosphere, hydrosphere, and lithosphere). In the latter half of the course, they will explore environmental change, the history of human impacts, and efforts for conservation and restoration. Students will also learn how to organize and express their knowledge in their own words by writing essays based on news articles and other materials related to environmental issues.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Earth in the Solar System; the Lithosphere 2 Atmosphere I: Structure of the Atmosphere 3 Atmosphere II: Motion of the Atmosphere 4 Material Cycles 5 Hydrosphere I: Water Cycle 6 Hydrosphere II: Land and Freshwater 7 Hydrosphere III: The Ocean 8 Air Pollution, Water Pollution, and Soil Pollution 9 Biodiversity 10 Global Environmental Change, Formation of the Current Environment 11 Humanity and the Environment I: Emergence and Impact of Humans 12 Humanity and the Environment II: Climate Change 13 Humanity and the Environment III: Energy and the Environment 14 Humanity and the Environment IV: Biodiversity Crisis, Environmental Conservation 15 Future Environmental Science, In-Lecture Tests and Essays 							
Feedback on Assignments (exams, reports, etc.)							
Feedback on exams, reports, and questions will be provided in the lecture.							
Course Notes							
Students are expected to pay conscious attention to current affairs through newspaper reports.							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning: Actively look through newspaper reports to gain knowledge about current events. Post-lecture review: Review the lecture handouts and revise returned assignments based on the lecturer's comments.</p>							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation will be based on essays and in-class tests (60%) and assignments submitted during class (40%).							
Textbook							
Handouts							
Reference Books, Teaching Materials, etc.							
References will be introduced during the lecture.							

Course	English I				Practitioner teacher	Inst- ructor(s)	SHIMAMORI Hisako
Course Period	1st year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
The aim of this course is to improve students' four skills in English and establish a foundation for university English for a globalised society by developing a basic syntactic knowledge of English for listening, reading, writing and speaking.							
Lecture Outline English IA							
Online teaching materials are used to learn practical English as it is used. The materials are carefully selected to provide students with basic vocabulary and grammar, as well as content that is useful for studying animals in broad aspect. In class, students listen to explanations of each grammatical item, review its content in the text, learn the meaning and usage of further vocabulary, and check it in group work and review.							
Lesson Plan							
1 Guidance, basic English parts of speech and syntax, basic phonetics, group work Translated with www.DeepL.com/Translator (free version) 2 State and action verbs 1 Explanation, reading and listening to material on animals, group work 3 State and action verbs 2 Explanation, reading and listening to material on animals, group work 4 Parts of speech and sentence structure 1 Explanation, reading and listening to material on animals, group work 5 Parts of speech and sentence patterns 2 Explanation, reading and listening to material on animals, group work 6 Parts of speech and sentence structure 3 Explanation, reading and listening to material on animals, group work 7 Verb tenses Simple tenses 1 Explanation, reading and listening to material on animals, group work 8 Verb tenses Simple tenses 2 Explanation, reading and listening to material on animals, group work 9 Types and uses of modal auxiliaries 1 Explanation, reading and listening to material on animals, group work 10 Types and uses of modal auxiliaries 2 Explanation, reading and listening to material on animals, group work 11 Nouns and pronouns 1 Explanation, reading and listening to material on animals, group work 12 Nouns and pronouns 2 Explanation, reading and listening to material on animals, group work 13 Prepositions and prepositional phrases Listening and dictation, group work 14 Writing and group work 15 Review							
Feedback on Assignments (exams, reports, etc.)							
After completing the quiz on Moodle each time, read the explanations, review the mistakes and retake the quiz.							
Course Notes							
Classes are determined on the basis of the results of the English Aptitude Test administered after admission. Students are required to take the English remedial material on Moodle in parallel.							
Contents of Prior and Post-learning (preparation and review)							
The content of the next lesson will be given in class, so be sure to prepare for it. Each time you take a quiz, you must review what you have learned that day.							
Evaluation Method (including evaluation criteria)							
The overall assessment will be based on 40% on class participation (comments, presentations, etc.) and 60% on quizzes.							
Textbook							
Extracts from online materials (BBC Learning English, Britannica Kids, etc.) will be given and distributed in Moodle as appropriate. Other instructions and handouts will be given in the classroom and on Moodle.							
Reference Books, Teaching Materials, etc.							
Instructions or handouts will be given in the classroom and on Moodle.							

Course	English I			Practitioner teacher	Inst- ructor(s)	OHASHI Yukiko
Course Period	1st year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts
Objectives						
In this class, students will review college-level grammar by reading English materials. This course aims to provide students with a foundation for reading primary English articles, literature, and documents related to veterinary nursing by acquiring basic college-level English grammar skills.						
Lecture Outline English IB						
The goal of this course (Class B) is to enable students to develop their basic English language skills through reading and speaking. Students will learn the basic English vocabulary, expressions, and grammar required for communication. Teaching materials comprise a prescribed textbook and materials available from the Internet. Students are expected to actively participate in various types of assignments. This information will be provided by the instructor on the first day of the course.						
Lesson Plan						
<ol style="list-style-type: none"> 1 Guidance and explanation of parts of speech 2 Types of verbs 1: explanation of verb forms 3 Types of verbs 2: textbook exercises 4 Types of nouns and pronouns 5 Quiz and review about verbs and nouns 6 Future tense (grammar explanation and exercises) 7 Explanation of future tense 1: textbook exercises 8 Explanation of future tense 2: quiz and review 9 Legal auxiliary verbs (grammar explanation) 10 Legal auxiliary verbs (textbook exercises) 11 Pronouns (explanation and textbook exercises) 12 Prepositions (explanation and textbook exercises) 13 Conjunction (grammar explanation and exercise) 14 Review of all contents, quiz on syntax and expressions 15 Review test and explanation 						
Feedback on Assignments (exams, reports, etc.)						
All the assignments will be returned to the students with feedback and comments.						
Course Notes						
Class is based on the proficiency test results.						
Contents of Prior and Post-learning (preparation and review)						
Students are expected to read related textbook pages before each class. Review the contents of each class.						
Evaluation Method (including evaluation criteria)						
Overall evaluation will be based on examinations (60%), assignments, and participation (40%).						
Textbook						
<i>Simply Grammar</i> , Nanundo (南雲堂)						
Reference Books, Teaching Materials, etc.						
The materials required for a class will be provided in the classroom.						

Course	English I				Practitioner teacher	Inst ructor(s) ISHIKAWA Ryota
Course Period	1st year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts
Objectives						
<p>The objective of this class is to acquire the reading ability which meets the standard of introductory-level of university students reviewing fundamental grammar and vocabulary, and learning expressions and a way of thinking peculiar to English. And also, to put one's own impression, feeling and opinion on reading works into words is the aim of this course.</p>						
Lecture Outline English IC						
<p>The aim of English I is to obtain the developing reading ability on the basis of the knowledge of English acquired up to upper secondary school, and in this course we study American Literature by reading works of the authors of American Literature which includes Nathaniel Hawthorne (1804-1864) to Paul Auster (1947-2024) to improve the fundamental knowledge of English such as English vocabulary and grammar and interpretation. Students will take quizzes on Moodle to review their work.</p>						
Lesson Plan						
<ol style="list-style-type: none"> 1 Guidance 2 CHAPTER 1. Paul Auster <i>Moon Palace</i> (I) 3 CHAPTER 2. Paul Auster <i>Moon Palace</i> (II) 4 CHAPTER 3. Paul Auster <i>Moon Palace</i> (III) 5 CHAPTER 4. Paul Auster <i>Moon Palace</i> (IV) 6 CHAPTER 5. Raymond Carver "Cathedral" 7 CHAPTER 6. Nathaniel Hawthorne "Wakefield" (1) 8 CHAPTER 6. Nathaniel Hawthorne "Wakefield" (2) 9 CHAPTER 7. John Cheever "The Country Husband" (1) 10 CHAPTER 7. John Cheever "The Country Husband" (2) 11 CHAPTER 8. Philip Roth <i>The Human Stain</i> 12 CHAPTER 9. Toni Morrison <i>Beloved</i> 13 CHAPTER 10. Kate Chopin "The Story of an Hour" (1) 14 CHAPTER 10. Kate Chopin "The Story of an Hour" (2) 15 Review 						
Feedback on Assignments (exams, reports, etc.)						
<p>Students will receive the correct answers to the quizzes and instant explanations on Moodle so that they can revise and retake the quizzes if they make mistakes. Other explanations will be given in the classroom as necessary.</p>						
Course Notes						
<p>Class placement is based on the results of the English Aptitude Test administered beforehand.</p>						
Contents of Prior and Post-learning (preparation and review)						
<p>Prior-learning: Students will be required to read the assigned chapter of the textbook for each class. Post-learning: Students will be required to take a quiz, review any mistakes, and retake the quiz, if necessary.</p>						
Evaluation Method (including evaluation criteria)						
<p>The overall evaluation will be 40% quiz, and 60% class participation.</p>						
Textbook						
<p>アメリカ文学から英語を学ぼう III (Let's learn English from American Literature III) will be used. ISBN 978-4-269-03017-6</p>						
Reference Books, Teaching Materials, etc.						
<p>Introduced in class.</p>						

Course	English I				Practitioner teacher	Inst-ructor(s)	ISHIKAWA Ryota
Course Period	1st year 1st semester	Required subject 1 credit	Class format	Exercise	Course Classification	Liberal Arts	
Objectives							
<p>The objective of this class is to acquire the reading ability which meets the standard of introductory-level of university students reviewing fundamental grammar and vocabulary, and learning expressions and a way of thinking peculiar to English. And also, to put one's own impression, feeling and opinion on reading works into words is the aim of this course.</p>							
Lecture Outline English ID							
<p>The aim of English I is to obtain the developing reading ability on the basis of the knowledge of English acquired up to upper secondary school, and in this course we study American Literature by reading works of the authors of American Literature which includes Nathaniel Hawthorne (1804-1864) to Paul Auster (1947-2024) to improve the fundamental knowledge of English such as English vocabulary and grammar and interpretation. Students will take quizzes on Moodle to review their work.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Guidance 2 CHAPTER 1. Paul Auster <i>Moon Palace</i> (I) 3 CHAPTER 2. Paul Auster <i>Moon Palace</i> (II) 4 CHAPTER 3. Paul Auster <i>Moon Palace</i> (III) 5 CHAPTER 4. Paul Auster <i>Moon Palace</i> (IV) 6 CHAPTER 5. Raymond Carver "Cathedral" 7 CHAPTER 6. Nathaniel Hawthorne "Wakefield" (1) 8 CHAPTER 6. Nathaniel Hawthorne "Wakefield" (2) 9 CHAPTER 7. John Cheever "The Country Husband" (1) 10 CHAPTER 7. John Cheever "The Country Husband" (2) 11 CHAPTER 8. Philip Roth <i>The Human Stain</i> 12 CHAPTER 9. Toni Morrison <i>Beloved</i> 13 CHAPTER 10. Kate Chopin "The Story of an Hour" (1) 14 CHAPTER 10. Kate Chopin "The Story of an Hour" (2) 15 Review 							
Feedback on Assignments (exams, reports, etc.)							
<p>Students will receive the correct answers to the quizzes and instant explanations on Moodle so that they can revise and retake the quizzes if they make mistakes. Other explanations will be given in the classroom as necessary.</p>							
Course Notes							
<p>Class placement is based on the results of the English Aptitude Test administered beforehand.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior-learning: Students will be required to read the assigned chapter of the textbook for each class. Post-learning: Students will be required to take a quiz, review any mistakes, and retake the quiz, if necessary.</p>							
Evaluation Method (including evaluation criteria)							
<p>The overall evaluation will be 40% quiz, and 60% class participation.</p>							
Textbook							
<p>アメリカ文学から英語を学ぼう III (Let's learn English from American Literature III) will be used. ISBN 978-4-269-03017-6</p>							
Reference Books, Teaching Materials, etc.							
<p>Introduced in class.</p>							

Course	English I				Practitioner teacher	Inst- ructor(s)	OHASHI Yukiko
Course Period	1st year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>This class aims to enable students to acquire communicative competence by utilizing their basic knowledge of grammar, syntax, and vocabulary to participate in actual communication. Students are expected to formulate appropriate English sentences using their acquired knowledge. While reviewing the English grammar and vocabulary frequently used in English texts, students will learn how to read English texts effectively and understand the contents of these texts on their own, which will promote self-learning.</p>							
Lecture Outline English IE							
<p>This course (Class E) seeks to enable students to develop advanced English language skills via reading and speaking. Students will learn to apply English vocabulary, expressions, and grammar for communication. The teaching materials include materials available on the Internet in addition to the original course materials. Students are expected to actively participate in various types of assignments. The instructor will provide related information on the first day of the course.</p>							
Lesson plan							
<ol style="list-style-type: none"> 1 Guidance (about classes in the second semester and review of the previous semester) 2 Sentence Structure 3 Literature and Culture on Animals 1 (listening and reading) 4 Literature and Culture on Animals 2 (discussion and exercises) 5 Pet Keeping 1 (listening and reading) 6 Pet Keeping 2 (pair work) 7 Animal Behaviour 1 (listening and reading) 8 Animal Behaviour 2 (group work, presentation) 9 Animal Nursing 1 (listening and reading) 10 Animal Nursing 2 (discussion and exercises) 11 News on Animals (pair work and exercises) 12 News on Animals (group work, presentation) 13 Animal Science and Studies (listening and reading) 14 Review of all contents, quiz on syntax and expressions 15 Review test and explanation 							
Feedback on Assignments (exams, reports, etc.)							
All the assignments will be returned to the students with feedback and comments.							
Course Notes							
This class is determined based on the proficiency test results.							
Contents of Prior and Post-learning (preparation and review)							
<p>Students are expected to read related materials before classes. Review the contents of each class.</p>							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on examinations (60%) and class participation (40%).							
Textbook							
Not specified.							
Reference Books, Teaching Materials, etc.							
The materials required for a class will be given in a classroom.							

Course	English I				Practitioner teacher	Inst- ructor(s)	SHIMAMORI Hisako
Course Period	1st year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>The aim of this course is to provide students with a basic knowledge of communicative English and to help them to develop their own ideas and expressions. The emphasis will be on syntactic and pragmatic awareness, and the course will also aim to develop vocabulary and expressions and to improve practical skills.</p>							
Lecture Outline English IF							
<p>This course is designed to provide students with the basic knowledge necessary to acquire the English language skills required for university study, as well as to introduce them to the unique ideas and expressions of the English language. In order to ensure that students are able to acquire the knowledge that is lacking in their previous experience of learning English, students are given English Aptitude Test to determine their stage of learning beforehand.</p> <p>In class, students will use BBC online materials and other resources to build their reading and writing skills while reviewing grammar and syntax, 'shadowing' to build listening skills, vocabulary, and reading comprehension. Students will work in groups to improve communication skills. After each class, students will take a quiz on Moodle to consolidate their knowledge.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Guidance, exercise and explanation 2 Article on animals 1 Comprehension, exercises, shadowing 3 Article on animals 2 Comprehension, exercises, shadowing 4 Article on animals 3 Comprehension, exercises, shadowing 5 Article on animals 4 Comprehension, exercises, and shadowing 6 Article on animal conservation 1 Comprehension, exercises, and shadowing 7 Article on animal conservation 2 Comprehension, exercises, and shadowing 8 Article on animal conservation 3 Comprehension, exercises, and shadowing 9 Article on animal conservation 4 Comprehension, exercises, and shadowing 10 Article on globalisation 1 Comprehension, exercises, and shadowing 11 Article on globalisation 2 Comprehension, exercises, and shadowing 12 Article on globalisation 3 Comprehension, exercises, and shadowing 13 Article on Animal Welfare 1 Comprehension, exercises, and shadowing 14 Article on Animal Welfare 2 Comprehension, exercises, and shadowing 15 Review 							
Feedback on Assignments (exams, reports, etc.)							
After completing the quiz on Moodle each time, read the explanations, review the mistakes and retake the quiz.							
Course Notes							
Classes are determined based on the results of the English Aptitude Test administered after admission.							
Contents of Prior and Post-learning (preparation and review)							
The content of the next lesson will be given on Moodle, so be sure to prepare for it. Each time you take a quiz after reviewing what you have learned that day.							
Evaluation Method (including evaluation criteria)							
The overall assessment will be based on 40% on class participation (comments, presentations, etc.) and 60% on quizzes.							
Textbook							
Using online materials (BBC Learning English, Britannica Kids etc).							
Reference Books, Teaching Materials, etc.							
Instructions or handouts will be given in the classroom and on Moodle.							

Course	English II				Practitioner teacher	Inst-ructor(s)	SHIMAMORI Hisako
Course Period	1st year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
Students will develop their ability to understand more complex English texts by building on the knowledge they have gained in the previous term and will be able to write and speak more practical English.							
Lecture Outline English IIA							
Students will learn to read and write using the grammatical knowledge they have acquired in English IA. They will listen to audio materials on the BBC website and work in groups to practice speaking and writing in order to acquire communicative vocabulary and expression. After class, students will take quizzes on Moodle to consolidate their knowledge.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Guidance, review of previous semester and exercises 2 Verb Phase: Progressive and perfective verbs, explanations and exercises. Listening practice 3 Voice: Passive and active voices, explanation and exercises. Listening practice 4 Conjunctions 1: Coordinate conjunctions, explanation and exercises. Listening practice 5 Conjunction 2: Subordinate conjunctions, explanation and exercises. Listening practice 6 Vocabulary and expression practice, writing and group work 7 Relatives 1: Explanations and exercises, Listening practice 8 Relatives 2: Explanations and exercises, Listening practice 9 Expressions of comparison: explanations and exercises. Listening practice 10 Mood: Indicative and subjunctive mood, explanations and exercises. Listening practice 11 Writing and group work 12 Verbals 1: Gerund, explanations and exercises. Listening practice 13 Verbals 2: Infinitive, explanations and exercises. Listening practice 14 Verbals 3: Participle, explanations and exercises. Listening practice 15 Review tests and explanations 							
Feedback on Assignments (exams, reports, etc.)							
After completing the quiz on Moodle each time, read the explanations, review the mistakes and retake the quiz. Ask questions if necessary.							
Course Notes							
Class changes may occur according to the results of the first semester. Students may ask to change classes if conditions are fulfilled. Details will be given at the guidance, so be sure to attend the guidance.							
Contents of Prior and Post-learning (preparation and review)							
Before class, students are expected to read and listen to the course material, which will be presented on Moodle. As post-learning, they are expected to do shadowing at home to review listening and pronunciation. Students should review the content of each lesson and take the quiz.							
Evaluation Method (including evaluation criteria)							
The overall assessment will be based on 40% on class participation (comments, presentations, etc.) and 60% on quizzes.							
Textbook							
Instructions will be given on Moodle.							
Reference Books, Teaching Materials, etc.							
Instructions or handouts will be given in the classroom and/or on Moodle.							

Course	English II			Practitioner teacher	Inst-ructor(s)	OHASHI Yukiko
Course Period	1st year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts
Objectives						
In this course, students will review English grammar at the university level and learn the basics of using communicative English. This course is aimed at helping students to interpret the basic syntax necessary for reading English and acquire the practical level of lexical items for communication.						
Lecture Outline English IIB						
This course is designed to improve students' reading comprehension and develop their practical language skills based on the knowledge and skills acquired in the previous semester. Students are expected to use the grammatical knowledge acquired in English I in their speaking and writing practice to acquire an applied communicative vocabulary and expressive language skills.						
Lesson plan						
<ol style="list-style-type: none"> 1 Guidance (about classes in the second semester and review of the previous semester) 2 Tenses (grammar explanations and exercises) 3 Animal Nursing 1 (vocabulary and grammar) 4 Animal Nursing 2 (discussion and exercises) 5 Quizzes and explanations about tenses 6 Prepositions (making sentences and exercises) 7 News on Animals 1 (listening and reading) 8 News on Animals 2 (group work, problem-solving) 9 Quizzes and explanations about prepositions 10 Infinitives (grammar explanation and exercises) 11 Animal Science and Studies 1 (vocabulary and grammar) 12 Animal Science and Studies 2 (group work) 13 Quizzes and explanations about infinitives 14 Group work and presentation on English articles 15 Review (test and explanation) 						
Feedback on Assignments (exams, reports, etc.)						
All the assignments will be returned to the students with feedback and comments.						
Course Notes						
Students that meet the requirements may request to change classes. Be sure to attend the guidance in which the course details will be explained.						
Contents of Prior and Post-learning (preparation and review)						
Students are expected to read related materials before each class. Review the contents of each class.						
Evaluation Method (including evaluation criteria)						
Overall evaluation will be based on examinations (60%) and class participation (40%).						
Textbook						
<i>Simply Grammar</i> , Nanundo (南雲堂)						
Reference Books, Teaching Materials, etc.						
The materials required for a class will be provided in the classroom.						

Course	English II				Practitioner teacher	Inst-ructor(s) ISHIKAWA Ryota
Course Period	1st year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts
Objectives						
The objective of this class is to acquire the reading ability which meets the standard of introductory-level of university students reviewing fundamental grammar and vocabulary, and learning expressions and a way of thinking peculiar to English. From the 1st semester, to put one's own impression, feeling and opinion on reading works into words is the aim of this course.						
Lecture Outline English IIC						
The aim of English II is to obtain the developing reading ability on the basis of the knowledge of English acquired up to upper secondary school, and in this course we study American Literature by reading works of the authors of American Literature which includes Mark Twain (1835-1910), Edgar Allan Poe (1809-1849), and F. Scott Fitzgerald (1896-1940) to improve the fundamental knowledge of English such as English vocabulary and grammar and interpretation. Students will take quizzes on Moodle to review their work.						
Lesson Plan						
1 Guidance 2 CHAPTER 1. Louisa May Alcott, <i>Little Women</i> 3 CHAPTER 4. Charlotte Gilman, "The Yellow Wallpaper" 4 CHAPTER 5. O. Henry, "After Twenty Years" (I) 5 CHAPTER 6. O. Henry, "After Twenty Years" (II) 6 CHAPTER 7. Kate Chopin, <i>The Awakening</i> 7 CHAPTER 8. F. Scott Fitzgerald, <i>The Great Gatsby</i> (I) 8 CHAPTER 9. F. Scott Fitzgerald, <i>The Great Gatsby</i> (II) 9 CHAPTER 10. Mark Twain, <i>Adventures of Huckleberry Finn</i> (I) (1) 10 CHAPTER 10. Mark Twain, <i>Adventures of Huckleberry Finn</i> (I) (2) 11 CHAPTER 11. Mark Twain, <i>Adventures of Huckleberry Finn</i> (II) 12 CHAPTER 12. Edgar Allan Poe, "The Black Cat" 13 CHAPTER 13. Nathaniel Hawthorne, <i>The Scarlet Letter</i> 14 CHAPTER 2. Sherwood Anderson, "Paper Pills" 15 Review						
Feedback on Assignments (exams, reports, etc.)						
Students will receive the correct answers to the quizzes and instant explanations on Moodle so that they can revise and retake the quizzes if they make mistakes. Other explanations will be given in the classroom as necessary.						
Course Notes						
Class placement is based on the results of the English Aptitude Test administered beforehand.						
Contents of Prior and Post-learning (preparation and review)						
Prior-learning: Students will be required to read the assigned chapter of the textbook for each class. Post-learning: Students will be required to take a quiz, review any mistakes, and retake the quiz, if necessary.						
Evaluation Method (including evaluation criteria)						
The overall evaluation will be 40% quiz, and 60% class participation.						
Textbook						
アメリカ文学から英語を学ぼう (Let's learn English from American Literature) will be used. ISBN 978-4-269-03012-1						
Reference Books, Teaching Materials, etc.						
Introduced in class.						

Course	English II				Practitioner teacher	Inst-ructor(s) ISHIKAWA Ryota
Course Period	1st year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts
Objectives						
<p>The objective of this class is to acquire the reading ability which meets the standard of introductory-level of university students reviewing fundamental grammar and vocabulary, and learning expressions and a way of thinking peculiar to English. From the 1st semester, to put one's own impression, feeling and opinion on reading works into words is the aim of this course.</p>						
Lecture Outline English IID						
<p>The aim of English II is to obtain the developing reading ability on the basis of the knowledge of English acquired up to upper secondary school, and in this course we study American Literature by reading works of the authors of American Literature which includes Mark Twain 1835-1910), Edgar Allan Poe (1809-1849), and F. Scott Fitzgerald (1896-1940) to improve the fundamental knowledge of English such as English vocabulary and grammar and interpretation. Students will take quizzes on Moodle to review their work.</p>						
Lesson Plan						
<ol style="list-style-type: none"> 1 Guidance 2 CHAPTER 1. Louisa May Alcott, <i>Little Women</i> 3 CHAPTER 4. Charlotte Gilman, "The Yellow Wallpaper" 4 CHAPTER 5. O. Henry, "After Twenty Years" (I) 5 CHAPTER 6. O. Henry, "After Twenty Years" (II) 6 CHAPTER 7. Kate Chopin, <i>The Awakening</i> 7 CHAPTER 8. F. Scott Fitzgerald, <i>The Great Gatsby</i> (I) 8 CHAPTER 9. F. Scott Fitzgerald, <i>The Great Gatsby</i> (II) 9 CHAPTER 10. Mark Twain, <i>Adventures of Huckleberry Finn</i> (I) (1) 10 CHAPTER 10. Mark Twain, <i>Adventures of Huckleberry Finn</i> (I) (2) 11 CHAPTER 11. Mark Twain, <i>Adventures of Huckleberry Finn</i> (II) 12 CHAPTER 12. Edgar Allan Poe, "The Black Cat" 13 CHAPTER 13. Nathaniel Hawthorne, <i>The Scarlet Letter</i> 14 CHAPTER 2. Sherwood Anderson, "Paper Pills" 15 Review 						
Feedback on Assignments (exams, reports, etc.)						
<p>Students will receive the correct answers to the quizzes and instant explanations on Moodle so that they can revise and retake the quizzes if they make mistakes. Other explanations will be given in the classroom as necessary.</p>						
Course Notes						
<p>Class placement is based on the results of the English Aptitude Test administered beforehand.</p>						
Contents of Prior and Post-learning (preparation and review)						
<p>Prior-learning: Students will be required to read the assigned chapter of the textbook for each class. Post-learning: Students will be required to take a quiz, review any mistakes, and retake the quiz, if necessary.</p>						
Evaluation Method (including evaluation criteria)						
<p>The overall evaluation will be 40% quiz, and 60% class participation.</p>						
Textbook,						
<p>アメリカ文学から英語を学ぼう (Let's learn English from American Literature) will be used. ISBN 978-4-269-03012-1</p>						
Reference Books, Teaching Materials, etc.						
<p>Introduced in class.</p>						

Course	English II				Practitioner teacher	Inst-ructor(s)	OHASHI Yukiko
Course Period	1st year 2nd semester	Required subject 1credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>In this class, based on the grammar skills acquired in the previous semester, students will learn animal-related English expressions through listening and dictation while watching DVDs about animals, with the aim of understanding the content in English without translation. Students will also learn specific expressions used in animal care that can be utilized in their animal care practice.</p>							
Lecture Outline English IIE							
<p>"This course aims to develop students' practical language skills based on the knowledge and skills they acquired in English I. This course seeks to improve four basic skills: listening, reading, speaking, and writing. Students will listen, dictate and read English texts on a wide range of topics to develop their vocabulary and expressive skills, and utilize these skills for communication through paired practice.</p>							
Lesson plan							
<ol style="list-style-type: none"> 1 Guidance (about the first semester classes and review of the first grade) 2 Wild animals' Life 1 'Viverridae' (explanation and group work) 3 Wild animals' life 2 'Wild birds' (explanation followed by group work) 4 Read English articles related to wild animals (pair work and presentations) 5 Marine life 1 'Deep-water fish' (explanation and discussion) 6 Marine Life 2 'Creature in the sea and undersea life' (explanation and pair work) 7 Read an English article about Creature in the sea (pair work and presentations) 8 Review of previous lessons (quiz and explanation) 9 Insects 1 'Aquatic insects' (explanation and group work) 10 Insect 2 'Body invaders' (explanation and group work) 11 Read an English article on Insects (pair work and presentations) 12 Comprehension of English article 1 'GM foods' (group work and mini-quiz) 13 Comprehension of English article 2 'Dog training' (discussion and mini-quiz) 14 Comprehension of English article 3 'Nutrition' (discussion and mini-quiz) 15 Review (quiz and explanation) 							
Feedback on Assignments (exams, reports, etc.)							
All the assignments will be returned with feedback and comments.							
Course Notes							
Students that meet the requirements may request to change classes. Be sure to attend the guidance in which the course details will be explained.							
Contents of Prior and Post-learning (preparation and review)							
<p>Students are expected to read related materials before classes. Review the contents of each class.</p>							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on examinations (60%) and class participation (40%).							
Textbook							
Not specified.							
Reference Books, Teaching Materials, etc.							
Course materials will be distributed in the classroom.							

Course	English II				Practitioner teacher	Inst-uctor(s)	SHIMAMORI Hisako
Course Period	1st year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>The emphasis is on understanding the content of English texts and writing and speaking about them in English. The objective of the class is to improve students' English language skills by focusing on vocabulary and expressions that they will need in the future as the class uses English texts about animals.</p>							
Lecture Outline English IIF							
<p>This class is to be built on the knowledge and skills in grammar, vocabulary and reading comprehension acquired in English IF and to develop practical language skills.</p> <p>In order to improve vocabulary and expression, students will read and discuss a wide range of topical online articles as well as the BBC's online resources. After class, students will take a quiz on Moodle to consolidate their knowledge.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Guidance, Exercises 2 Literature on animals 1: Listening, reading and work in pair 3 Literature on animals 2: Listening, reading and work in pair 4 Literature on animals 3: Listening, reading and work in pair 5 Article on Pet Animals 1: Listening, reading and work in pair 6 Article on Pet Animals 2: Listening, reading and work in pair 7 Article on Zoology 1: Listening, reading and work in pair 8 Article on Zoology 2: Listening, reading and work in pair 9 Article on Animal Behaviour 1: Listening, reading and work in pair 10 Article on Animal Behaviour 2: Listening, reading and work in pair 11 Article on Animal Health 1: Listening, reading and work in pair 12 Article on Animal Health 2: Listening, reading and work in pair 13 Article on Animal Welfare: Listening, reading and work in pair 14 Writing and Discussion 15 Writing and Discussion 							
Feedback on Assignments (exams, reports, etc.)							
<p>After the review Quizzes, explanations will be given in the class.</p>							
Course Notes							
<p>The class could be changed according to the results of the first semester. Students may ask to change classes if conditions are fulfilled. Details will be given at the guidance, so be sure to attend the guidance.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Students are expected to do some preliminary research on the material distributed, using dictionaries and illustrated books, so that any unclear points can be resolved during the class.</p> <p>Students are expected to review the knowledge gained in class and take the quiz on the same day. Students should practice listening at home.</p>							
Evaluation Method (including evaluation criteria)							
<p>The overall assessment will be based on 40% on class participation (comments, presentations, etc.) , 60% on quizzes.</p>							
Textbook							
<p>Using online material introduced on Moodle.</p>							
Reference Books, Teaching Materials, etc.							
<p>Introduced on the Moodle and/or in the classroom.</p>							

Course	English III				Practitioner teacher	Inst-ructor(s)	ONISHI Kazuko
Course Period	2nd year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>(1)To be able to understand simple spoken English expressions without translation.</p> <p>(2)To be able to make basic English sentences with a natural rhythm and accurate pronunciation.</p> <p>(3)To be able to quickly and accurately read English sentences of moderate length with simple content.</p> <p>(4)To be able to write your own opinions accurately in short English sentences.</p> <p>(5)The target is around 400~500 points in terms of TOEIC.</p>							
Lecture Outline English IIIA							
<p>This course will teach the essential knowledge required for those aiming to pursue a career in animal-related professions, primarily through a dialogue involving three key figures: a veterinarian, an animal nurse, and a pet owner. The specific topics covered include microchip registration (including how to register with AIPO), consent forms for refusing life-sustaining treatment, discussions with pet funeral services, and consultations with dog trainers regarding training. Over 90% of the textbook is focused on dogs, but in this course, we will also cover cats, which have surpassed dogs in the number of pet ownership in Japan since 2017. Cats will be discussed through supplementary reference materials provided as needed. Through this course, you will deepen your understanding of the ecology of both dogs and cats, and become an animal professional who can not only show love for them but also handle them skillfully.</p>							
Lesson Plan							
<p>1 Orientation & Guidance (Course Guideline) + English Composition (My Spring Vacation)</p> <p>2 (1)UNIT1 Benny's First Visit to the Vet ①(Dialogue&Try This Useful Expressions)</p> <p>3 (1)UNIT1 Benny's First Visit to the Vet ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>4 (1)UNIT2 Benny Gets His Second Vaccinations ①(Dialogue&Try This Veterinary Terminology)</p> <p>5 (1)UNIT2 Benny Gets His Second Vaccinations ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>6 (1)UNIT3 Benny Gets Registered and Microchipped(1) ①(Dialogue&Try This Useful Express)</p> <p>7 (1)UNIT3 Benny Gets Registered and Microchipped(1) ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>8 (1)UNIT4 Benny Gets Registered and Microchipped(2) ①(Dialogue&Try This Veterinary Terminology)</p> <p>9 (1)UNIT4 Benny Gets Registered and Microchipped(2) ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>10 (1)UNIT5 Spaying and Neutering ①(Dialogue&Try This Useful Expressions)</p> <p>11 (1)UNIT5 Spaying and Neutering ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>12 (1)UNIT6 Benny Has to Have an IV-Drip(1) ①(Dialogue&Try This Veterinary Terminology)</p> <p>13 (1)UNIT6 Benny Has to Have an IV-Drip(1) ②(Veterinary Terminology Mini Conversation)</p> <p>14 (2)Primitive Dogs(dogs) (p.29) / Becoming a dog owner(dogs)(p.p.304~307)</p> <p>15 Total review and the final exam</p>							
Feedback on Assignments (exams, reports, etc.)							
The process of finding the correct answer will carefully be explained in detail after each answer is submitted.							
Course Notes							
If a student has more than five absences, they will be excluded from grade evaluation. However this does not apply to absences approved by the academic department, such as those due to bereavement leave, practical training for classes, or attendance suspensions due to communicable diseases. Three late arrivals or early departures will count as one absence. Declarations of lateness or early departure will be accepted only on the day they occur. Class participation will also be evaluated.							
Contents of Prior and Post-learning (preparation and review)							
In the EnglishIIIclasses, students are expected to spend at least 90 minutes outside of class reviewing each lesson, and at least 30 minutes preparing for each lesson. When preparing and reviewing, always check your achievement of the learning objectives from a Can-Do perspective.							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation will be made 60% on exams and 40% on normal points (presentations, submissions, class participation, etc.). In some cases, additional points may be added.							
Textbook							
Susan Williams. Animal Companions. NAN'U—DO, 2021 (ISBN: 9784523179207)							
Reference Books, Teaching Materials, etc.							
<p>① THE CAT ENCYCLOPEDIA : THE DEFINITIVE VISUAL GUIDE (DK)(ISBN: 9780241638576)</p> <p>② THE DOG ENCYCLOPEDIA: THE DEFINITIVE VISUAL GUIDE (DK)(ISBN: 9780241600894)</p> <p>Others will be mentioned in the class.</p>							

Course	English III			Practitioner teacher	Inst-ructor(s)	OHASHI Yukiko
Course Period	2nd year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts
Objectives						
<p>This class is aimed at enabling students to read English texts and understand sentence structure while explaining the English grammar and vocabulary required for comprehension. Students are expected to read literature on their own after the completion of all fifteen classes, think independently, and thus, apply their acquired skills into practice.</p>						
Lecture Outline English IIIB						
<p>This class will focus on syntactic and grammatical exercises along with language activities that incorporate pair work. Course materials include animal-related articles and activities to strengthen the four basic skills of listening, reading, speaking, and writing. Students will practice rapid reading and learn advanced-level expressions.</p>						
Lesson plan						
<ol style="list-style-type: none"> 1 Guidance (about classes in the second semester and review of the previous semester) 2 Read and understand the content of 'Professional appearance of AHT.' 3 Read more about 'Common procedures of AHT.' 4 Read about 'Common procedures of AHT' and work in pairs 5 Read and discuss 'Common procedures of AHT' 6 Review 1 (review, quiz, and explanation) 7 Read more about 'Occupational Safety and Health.' 8 Read 'Occupational Safety and Health' and work in pairs. 9 Read and discuss content on 'Occupational Safety and Health' 10 Review 2 (review, quiz, and explanation) 11 English Interpretation 1: Read an article about animals 12 English Interpretation 2 Read an article about AHT (including discussion) 13 Latest English articles 1 Read the latest articles about animal welfare. 14 Latest English Articles 2 Read the latest articles about animal issues. 15 Review (quiz and explanation) 						
Feedback on Assignments (exams, reports, etc.)						
All the assignments will be returned to the students with feedback and comments.						
Course Notes						
Students that meet the requirements may request to change classes. Be sure to attend the guidance in which the course details will be explained.						
Contents of Prior and Post-learning (preparation and review)						
<p>Students are expected to read related materials before classes. Review the contents of each class.</p>						
Evaluation Method (including evaluation criteria)						
Overall evaluation will be based on examinations (60%) and class participation including assignments (40%).						
Textbook						
Not specified.						
Reference books, Teaching Materials, etc.						
Course materials will be distributed in the classroom.						

Course	English III				Practitioner teacher	Inst-uctor(s)	ABE Keiko
Course Period	2nd year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
The goal of this course is to enhance more practical English language skills based on what students learned in the first year. Students will improve vocabulary and comprehension skills by reading a variety of English texts about animals. Audio-visual materials will also be used to develop listening and rapid-reading skills.							
Lecture Outline English IIC							
Students will read a variety of newspaper articles concerning animals such as dogs, birds, and marine creatures. They will answer comprehension and grammar questions, and translate the sentences into Japanese. At times, students will focus on important grammar items. Listening and rapid-reading will also be conducted using audio-visual materials. Each class will have a quiz on the content of the previous class. Students will take a review test twice during the semester. After quizzes and review tests, feedback will be given in class.							
Lesson Plan							
1 Introduction 2 Animals in the City 1 3 Animals in the City 2 4 Animals in the City 3 5 Dogs' Noses 1 6 Dogs' Noses 2 7 Relative Pronoun 8 Review 1 9 Bird Roaming 1 10 Bird Roaming 2 11 Bird Roaming 3 12 Marine Creatures 1 13 Marine Creatures 2 14 Relative Adverb 15 Review 2							
Feedback on Assignments (exams, reports, etc.)							
After quizzes and review tests, feedback will be given in class.							
Course Notes							
The class may be changed according to the grade of the first year. Details will be explained during the guidance, so be sure to attend the guidance.							
Contents of Prior and Post-learning (preparation and review)							
Preparation: Class materials will be given in advance. Prepare for the next class. Review: Review what you learned in class and be prepared for the quizzes and the review tests.							
Evaluation Method (including evaluation criteria)							
Quizzes, Class Participation, etc.: 50% Review Tests: 50%							
Textbook							
Class materials will be given in class.							
Reference Books, Teaching Materials, etc.							
Bring an English-Japanese dictionary.							

Course	English III				Practitioner teacher	Inst ructor(s)	ABE Keiko
Course Period	2nd year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
The goal of this course is to enhance more practical English language skills based on what students learned in the first year. Students will improve vocabulary and comprehension skills by reading a variety of English texts about animals. Audio-visual materials will also be used to develop listening and rapid-reading skills.							
Lecture Outline English IIID							
Students will read a variety of newspaper articles concerning animals such as dogs, birds, and marine creatures. They will answer comprehension and grammar questions, and translate the sentences into Japanese. At times, students will focus on important grammar items. Listening and rapid-reading will also be conducted using audio-visual materials. Each class will have a quiz on the content of the previous class. Students will take a review test twice during the semester. After quizzes and review tests, feedback will be given in class.							
Lesson Plan							
1 Introduction 2 Animals in the City 1 3 Animals in the City 2 4 Animals in the City 3 5 Dogs' Noses 1 6 Dogs' Noses 2 7 Relative Pronoun 8 Review 1 9 Bird Roaming 1 10 Bird Roaming 2 11 Bird Roaming 3 12 Marine Creatures 1 13 Marine Creatures 2 14 Relative Adverb 15 Review 2							
Feedback on Assignments (exams, reports, etc.)							
After quizzes and review tests, feedback will be given in class.							
Course Notes							
The class may be changed according to the grade of the first year. Details will be explained during the guidance, so be sure to attend the guidance.							
Contents of Prior and Post-learning (preparation and review)							
Preparation: Class materials will be given in advance. Prepare for the next class. Review: Review what you learned in class and be prepared for the quizzes and the review tests.							
Evaluation Method (including evaluation criteria)							
Quizzes, Class Participation, etc.: 50% Review Tests: 50%							
Textbook							
Class materials will be given in class.							
Reference Books, Teaching Materials, etc.							
Bring an English-Japanese dictionary.							

Course	English III				Practitioner teacher	Inst-ructor(s)	OHASHI Yukiko
Course Period	2nd year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
This class focuses on improving students' English reading comprehension by explaining syntax and grammar rules using articles about animals. By learning topics with advanced lexical items and expressions, students are expected to facilitate their communicative competence by applying what they learn in the classroom into practice.							
Lecture Outline English IIIE							
The class will focus on syntactic and grammatical exercises as well as language activities that will incorporate pair work. Students will learn more advanced vocabulary items and techniques through rapid reading and engaging in communicative activities wherein their acquired knowledge can be applied.							
Lesson plan							
1 Guidance 2 Reading article 1 (animal life 1) 3 Reading article 2 (animal life 2) 4 Reading article 3 (animal life 3) 5 Review1 (Review quiz 1) 6 Speed reading with commentary 1 (animal welfare 1) 7 Speed reading with commentary 2 (animal welfare 2) 8 Speed reading with commentary 3 (animal welfare 3) 9 Review 2 (Review quiz 2) 10 Reading Scientific Journal 1 (explanation and group work) 11 Reading Scientific Journal 2 (explanation and discussion) 12 Reading Scientific Journal 3 (explanation and group work) 13 Reading Scientific Journal 4 (explanation and discussion) 14 Reading Scientific Journal 5 (presentation) 15 Review examination							
Feedback on Assignments (exams, reports, etc.)							
All the assignments will be returned to the students with feedback and comments.							
Course Notes							
Students that meet the requirements may request to change classes. Be sure to attend the guidance in which the course details will be explained.							
Contents of Prior and Post-learning (preparation and review)							
Students are expected to read related materials before classes. Review the contents of each class.							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on examinations (60%) and class participation including assignments (40%).							
Textbook							
<i>Not specified</i>							
Reference Books, Teaching Materials, etc.							
Course materials will be distributed in the classroom.							

Course	English III				Practitioner teacher	Inst-uctor(s)	ONISHI Kazuko
Course Period	2nd year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>(1) I will be able to listen to Class CD of this textbook and understand the general topic and details.</p> <p>(2) I will be able to speak longer sentences with natural rhythm and accurate pronunciation.</p> <p>(3) I will be able to read longer sentences, infer the main idea of the text, and understand the details.</p> <p>(4) I will be able to write a report in English with paragraphs clearly related.</p> <p>(5) My goal is to aim for a TOEIC score close to 650 points.</p>							
Lecture Outline							
<p>This course will teach the essential knowledge required for those aiming to pursue a career in animal-related professions, primarily through a dialogue involving three key figures: a veterinarian, an animal nurse, and a pet owner. The specific topics covered include microchip registration (including how to register with AIPO), consent forms for refusing life-sustaining treatment, discussions with pet funeral services, and consultations with dog trainers regarding training. Over 90% of the textbook is focused on dogs, but in this course, we will also cover cats, which have surpassed dogs in the number of pet ownership in Japan since 2017. Cats will be discussed through supplementary reference materials provided as needed. Through this course, you will deepen your understanding of the ecology of both dogs and cats, and become an animal professional who can not only show love for them but also handle them skillfully.</p>							
Lesson Plan English III F							
<p>1 Orientation & Guidance (Course Guideline) + English composition (My Spring Vacation)</p> <p>2 (1)UNIT1 Benny's First Visit to the Vet ①(Dialogue&Try This Useful Expressions)</p> <p>3 (1)UNIT1 Benny's First Visit to the Vet ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>4 (1)UNIT2 Benny Gets His Second Vaccinations ①(Dialogue&Try This Veterinary Terminology)</p> <p>5 (1)UNIT2 Benny Gets His Second Vaccinations ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>6 (1)UNIT3 Benny Gets Registered and Microchipped(1) ①(Dialogue&Try This Useful Expressions)</p> <p>7 (1)UNIT3 Benny Gets Registered and Microchipped(1) ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>8 (1)UNIT4 Benny Gets Registered and Microchipped(2) ①(Dialogue&Try This Veterinary Terminology)</p> <p>9 (1)UNIT4 Benny Gets Registered and Microchipped(2) ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>10 (1)UNIT5 Spaying and Neutering ①(Dialogue&Try This Useful Expressions)</p> <p>11 (1)UNIT5 Spaying and Neutering ②(Dr. Hashimoto's Column Mini Conversation)</p> <p>12 (1)UNIT6 Benny Has to Have an IV-Drip(1) ①(Dialogue&Try This Veterinary Terminology)</p> <p>13 (1)UNIT6 Benny Has to Have an IV-Drip(1) ②(Veterinary Terminology Mini Conversation)</p> <p>14 (2)Primitive Dogs(dogs)(p.29) / Becoming a dog owner(dogs)(p.p.304~307)</p> <p>15 Total review and the exam</p>							
Feedback on Assignments (exams, reports, etc.)							
The process of finding the correct answer will carefully be explained in detail after each answer is submitted.							
Course Notes							
<p>If a student has more than five absences, they will be excluded from grade evaluation. However this does not apply to absences approved by the academic department, such as those due to bereavement leave, practical training for classes, or attendance suspensions due to communicable diseases. Three late arrivals or early departures will count as one absence. Declarations of lateness or early departure will be accepted only on the day they occur. Class participation will also be evaluated.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>In the EnglishIII classes, students are expected to spend at least 90 minutes outside of class reviewing each lesson, and at least 30 minutes preparing for each lesson. When preparing and reviewing, always check your achievement of the learning objectives from a Can-Do perspective.</p>							
Evaluation Method (including evaluation criteria)							
<p>Comprehensive evaluation will be made 60% on exams (including quizzes) and 40% on normal points (presentations, submissions, class participation, etc.). In some cases, additional points may be added.</p>							
Textbook							
Susan Williams. Animal Companions. NAN'U—DO, 2021 (ISBN: 9784523179207)							
Reference Books, Teaching Materials, etc.							
<p>①THE CAT ENCYCLOPEDIA : THE DEFINITIVE VISUAL GUIDE (DK)(ISBN: 9780241638576)</p> <p>②THE DOG ENCYCLOPEDIA: THE DEFINITIVE VISUAL GUIDE (DK) (ISBN: 9780241600894)</p> <p>Others will be mentioned in the class.</p>							

Course	English IV				Practitioner teacher	Inst- ructor(s)	ONISHI Kazuko
Course Period	2nd year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>(1)To be able to understand simple spoken English expressions without translation.</p> <p>(2)To be able to speak basic English sentences with a natural rhythm and accurate pronunciation.</p> <p>(3)To be able to quickly and accurately read English sentences of moderate length with simple content.</p> <p>(4)To be able to write your own opinions accurately in short English sentences.</p> <p>(5)The target is around 400~500 points in terms of TOEIC.</p>							
Lecture Outline English IVA							
<p>This course will teach the essential knowledge required for those aiming to pursue a career in animal-related professions, primarily through a dialogue involving three key figures: a veterinarian, an animal nurse, and a pet owner. The specific topics covered include microchip registration (including how to register with AIPO), consent forms for refusing life-sustaining treatment, discussions with pet funeral services, and consultations with dog trainers regarding training. Over 90% of the textbook is focused on dogs, but in this course, we will also cover cats, which have surpassed dogs in the number of pet ownership in Japan since 2017. Cats will be discussed through supplementary reference materials provided as needed. Through this course, you will deepen your understanding of the ecology of both dogs and cats, and become an animal professional who can not only show love for them but also handle them skillfully.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Orientation & Guidance (Course Guideline) +English composition (My Summer Vacation) 2 (1)UNIT1 Benny’s First Visit to the Vet ①(Dialogue&Try This Useful Expressions) 3 (1)UNIT1 Benny’s First Visit to the Vet ②(Dr. Hashimoto’s Column Mini Conversation) 4 (1)UNIT2 Benny Gets His Second Vaccinations ①(Dialogue&Try This Veterinary Terminology) 5 (1)UNIT2 Benny Gets His Second Vaccinations ②(Dr. Hashimoto’s Column Mini Conversation) 6 (1)UNIT3 Benny Gets Registered and Microchipped(1) ②(Dialogue&Try This Useful Expressions) 7 (1)UNIT3 Benny Gets Registered and Microchipped(1) ②(Dr. Hashimoto’s Column Mini Conversation) 8 (1)UNIT4 Benny Gets Registered and Microchipped(2) ①(Dialogue&Try This Veterinary Terminology) 9 (1)UNIT4 Benny Gets Registered and Microchipped(2) ②(Dr. Hashimoto’s Column Mini Conversation) 10 (1)UNIT5 Spaying and Neutering ①(Dialogue&Try This Useful Expressions) 11 (1)UNIT5 Spaying and Neutering ②(Dr. Hashimoto’s Column Mini Conversation) 12 (1)UNIT6 Benny Has to Have an IV-Drip(1) ①(Dialogue&Try This Useful Expressions) 13 (1)UNIT6 Benny Has to Have an IV-Drip(1) ②(Veterinary Terminology Mini Conversation) 14 (2) Primitive Dogs(dogs)(p.29) / Becoming a dog owner(dogs)(p.p.304~307) 15 Total review and the final exam 							
Feedback on Assignments (exams, reports, etc.)							
The process of finding the correct answer will carefully be explained in detail after each answer is submitted.							
Course Notes							
<p>If a student has more than five absences, they will be excluded from grade evaluation. However this does not apply to absences approved by the academic department, such as those due to bereavement leave, practical training for classes, or attendance suspensions due to communicable diseases. Three late arrivals or early departures will count as one absence. Declarations of lateness or early departure will be accepted only on the day they occur. Class participation will also be evaluated.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>In the English IV classes, students are expected to spend at least 90 minutes outside of class reviewing each lesson, and at least 30 minutes preparing for each lesson. When preparing and reviewing, always check your achievement of the learning objectives from a Can-Do perspective.</p>							
Evaluation Method (including evaluation criteria)							
<p>Comprehensive evaluation will be made on 60% for exams (including quizzes) and 40% on normal points (presentations, submissions, class participation, etc.). In some cases, additional points may be added.</p>							
Textbook							
Susan Williams. Animal Companions. NAN’U—DO, 2021 (ISBN: 9784523179207)							
Reference Books, Teaching Materials, etc.							
<ol style="list-style-type: none"> ①THE CAT ENCYCLOPEDIA : THE DEFINITIVE VISUAL GUIDE (DK)(ISBN: 9780241638576) ②THE DOG ENCYCLOPEDIA: THE DEFINITIVE VISUAL GUIDE (DK)(ISBN: 9780241600894) <p>Others will be mentioned in the class.</p>							

Course	English IV				Practitioner teacher	Inst-uctor(s)	OHASHI Yukiko
Course Period	2nd year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>The goal of this class is to enable students to apply the basic grammar and vocabulary learned in English IIIB, by engaging in communicative activities. While reviewing the English grammar and vocabulary that frequently appear in the course materials, students are expected to gain the ability to apply the skills they learn into practice on their own.</p>							
Lecture Outline English IVB							
<p>To improve their communicative competence, students are expected to acquire practical English language skills, including the ability to present their opinions in English. Lectures will include sentence structure and syntax explanations wherein students will learn advanced expressions using animal-related articles and literature.</p>							
Lesson plan							
<ol style="list-style-type: none"> 1 Guidance (about classes in the second semester and review of the previous semester) 2 Reading: 'client communication 1' 3 Reading: 'client communication 2' 4 Reading and discussing: 'client communication' 5 Review 1 (review quiz and explanation) 6 Reading: 'Veterinary Staff: Roles and Responsibility 1' 7 Reading: 'Veterinary Staff: Roles and Responsibility 2' 8 Reading and discussion 'Veterinary Staff: Roles and Responsibility' 9 Review 2 (review quiz and explanation) 10 English Reading Comprehension 1 11 English Reading Comprehension 2 12 English for Animal Care 1 (vocabulary and expressions) 13 English for Animal Care 2 (pair work and quiz) 14 English for Animal Care 3 (discussion and presentation) 15 Review and test 							
Feedback on Assignments (exams, reports, etc.)							
All the assignments will be returned to the students with feedback and comments.							
Course Notes							
Students that meet the requirements may request to change classes. Be sure to attend the guidance in which the course details will be explained.							
Contents of Prior and Post-learning (preparation and review)							
Students are expected to read related materials before classes. Review the contents of each class.							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on examinations (60%) and class participation including assignments (40%).							
Textbook							
Not specified.							
Reference Books, Teaching Materials, etc.							
Course materials will be provided in a classroom.							

Course	English IV				Practitioner teacher	Inst-uctor(s)	ABE Keiko
Course Period	2nd year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
The goal of this course is to enhance more practical English language skills based on what students learned in the first semester. Students will improve vocabulary and comprehension skills by reading a variety of English texts about animals. Audio-visual materials will also be used to develop listening and rapid-reading skills.							
Lecture Outline English IVC							
Students will read a variety of newspaper articles concerning animals such as dogs and panda conservation. They will answer comprehension and grammar questions, and translate the sentences into Japanese. At times, students will focus on important grammar items. Listening and rapid-reading will also be conducted using audio-visual materials. Each class will have a quiz on the content of the previous class. Students will take a review test twice during the semester. After quizzes and review tests, feedback will be given in class.							
Lesson Plan							
1 Introduction 2 Chimpanzees 1 3 Chimpanzees 2 4 Chimpanzees 3 5 Beetle Camera 1 6 Beetle Camera 2 7 Present Perfect 8 Review 1 9 Dog Years 1 10 Dog Years 2 11 Dog Years 3 12 Conservation 1 13 Conservation 2 14 Participial Construction 15 Review 2							
Feedback on Assignments (exams, reports, etc.)							
After quizzes and review tests, feedback will be given in class.							
Course Notes							
The class may be changed according to the grade of the first semester. Details will be explained during the guidance, so be sure to attend the guidance.							
Contents of Prior and Post-learning (preparation and review)							
Preparation: Class materials will be given in advance. Prepare for the next class. Review: Review what you learned in class and be prepared for the quizzes and the review tests.							
Evaluation Method (including evaluation criteria)							
Quizzes, Class Participation, etc.: 50% Review Tests: 50%							
Textbook							
Class materials will be given in class.							
Reference Books, Teaching Materials, etc.							
Bring an English-Japanese dictionary.							

Course	English IV				Practitioner teacher	Inst- ructor(s)	ABE Keiko
Course Period	2nd year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
The goal of this course is to enhance more practical English language skills based on what students learned in the first semester. Students will improve vocabulary and comprehension skills by reading a variety of English texts about animals. Audio-visual materials will also be used to develop listening and rapid-reading skills.							
Lecture Outline English IVD							
Students will read a variety of newspaper articles concerning animals such as dogs and panda conservation. They will answer comprehension and grammar questions, and translate the sentences into Japanese. At times, students will focus on important grammar items. Listening and rapid-reading will also be conducted using audio-visual materials. Each class will have a quiz on the content of the previous class. Students will take a review test twice during the semester. After quizzes and review tests, feedback will be given in class.							
Lesson Plan							
1 Introduction 2 Chimpanzees 1 3 Chimpanzees 2 4 Chimpanzees 3 5 Beetle Camera 1 6 Beetle Camera 2 7 Present Perfect 8 Review 1 9 Dog Years 1 10 Dog Years 2 11 Dog Years 3 12 Conservation 1 13 Conservation 2 14 Participial Construction 15 Review 2							
Feedback on Assignments (exams, reports, etc.)							
After quizzes and review tests, feedback will be given in class.							
Course Notes							
The class may be changed according to the grade of the first semester. Details will be explained during the guidance, so be sure to attend the guidance.							
Contents of Prior and Post-learning (preparation and review)							
Preparation: Class materials will be given in advance. Prepare for the next class. Review: Review what you learned in class and be prepared for the quizzes and the review tests.							
Evaluation Method (including evaluation criteria)							
Quizzes, Class Participation, etc.: 50% Review Tests: 50%							
Textbook							
Class materials will be given in class.							
Reference Books, Teaching Materials, etc.							
Bring an English-Japanese dictionary.							

Course	English IV			Practitioner teacher	Inst-ructor(s)	OHASHI Yukiko
Course Period	2nd year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts
Objectives						
<p>The purpose of this class is to enable students to apply the knowledge they acquired in English III E to writing and speaking activities. Using video clips based on a theme, this class will explain applied vocabulary items, expressions, and syntax. Students will be able to speak and write original sentences utilizing the expressions and vocabulary learned in this course. The final goal is for students to acquire advanced communicative competence that will enable them to provide appropriate responses.</p>						
Lecture Outline English IVE						
<p>Students will learn sentence structure and syntax using specialized animal-related articles and literature as input, wherein they will understand applied lexical items and expressions. Classroom activities include listening, dictation, and reading assignments mixed with paired practice.</p>						
Lesson plan						
<ol style="list-style-type: none"> 1 Reading article 1 (reading and explanations) 2 Reading article 2 (reading and pair work) 3 Patrol animals 4 Animal healthcare 1 (reading and explanations) 5 Animal healthcare 2 (reading and pair work) 6 Review quiz 7 Endangered animals 1 (reading and explanations) 8 Endangered animals 2 (reading and pair work) 9 Watching videos about aquarium and discussion 10 English Composition 1 (basic English Composition. Learn expressions and composition.) 11 English Composition 2 (writing opinions) 12 English Composition 3 (write a summary) 13 English Composition 4 (read abstract and present opinions) 14 English Composition 5 (Read an article and write a summary) 15 Review (quiz and explanation) 						
Feedback on Assignments (exams, reports, etc.)						
<p>All the assignments will be returned with feedback and comments.</p>						
Course Notes						
<p>Students that meet the requirements may request to change classes. Be sure to attend the guidance in which the course details will be explained.</p>						
Contents of Prior and Post-learning (preparation and review)						
<p>Students are expected to read the related materials given in the previous class. Review the contents of each class.</p>						
Evaluation Method (including evaluation criteria)						
<p>Overall evaluation will be based on examinations (60%) and class participation including assignments (40%).</p>						
Textbook						
<p><i>No specified text</i></p>						
Reference Books, Teaching Materials, etc.						
<p>Course materials will be provided in a classroom.</p>						

Course	English IV				Practitioner teacher	Inst ructor(s)	ONISHI Kazuko
Course Period	2nd year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>(1) I will be able to listen to Class CD of this textbook and understand the general topic and details.</p> <p>(2) I will be able to speak longer sentences with natural rhythm and accurate pronunciation.</p> <p>(3) I will be able to read longer sentences, infer the main idea of the text, and understand the details.</p> <p>(4) I will be able to write a report in English with paragraphs clearly related.</p> <p>(5) My goal is to aim for a TOEIC score close to 650 points.</p>							
Lecture Outline							
<p>This course will teach the essential knowledge required for those aiming to pursue a career in animal-related professions, primarily through a dialogue involving three key figures: a veterinarian, an animal nurse, and a pet owner. The specific topics covered include microchip registration (including how to register with AIPO), consent forms for refusing life-sustaining treatment, discussions with pet funeral services, and consultations with dog trainers regarding training. Over 90% of the textbook is focused on dogs, but in this course, we will also cover cats, which have surpassed dogs in the number of pet ownership in Japan since 2017. Cats will be discussed through supplementary reference materials provided as needed. Through this course, you will deepen your understanding of the ecology of both dogs and cats, and become an animal professional who can not only show love for them but also handle them skillfully.</p>							
Lesson Plan							
<p>1 Orientation & Guidance (Course Guideline) + English Composition (My Summer Vacation)</p> <p>2 (1)Unit7 Benny Has to have in IV-Drip (2) ① Dialogue & Try This Useful Expressions</p> <p>3 (1)Unit7 Benny Has to Have an IV-Drip (2) ② Veterinary Terminology Mini Conversation</p> <p>4 (1)Unit8 Benny Has to Have an IV-Drip (3) ① Dialogue & Try This How to Read Large Numbers</p> <p>5 (1)Unit8 Benny Has to Have an IV-Drip(3) ② Dr. Hashimoto's Column Mini Conversation</p> <p>6 (1)Unit9 Saying Goodby : Being Together at the End ① Dialogue & Try This Practical Writing</p> <p>7 (1)Unit9 Saying Goodby : Being Together at the End ② Dr. Hashimoto's Column Mini Conversation</p> <p>8 (1)Unit10 A Forever Home ① Dialog & Try This Names of Breeds</p> <p>9 (1)Unit10 A Forever Home ② Dr. Hashimoto's Column Mini Conversation</p> <p>10 (1)Unit11 Beautiful and Clean ① Dialogue & Try This Useful Expressions</p> <p>11 (1)Unit11 Beautiful and Clean ② How to Wash Your Dog Mini Conversation</p> <p>12 (1)Unit12 Sammy Has Obedience Classes ① Dialogue & Try This Essential Dog Commands</p> <p>13 (1)Unit12 Sammy Has Obedience Classes ② Common Dog Behavior Problems Mini Conversation</p> <p>14 (1)Appendix (2)Primitive dogs (dogs) (p.29) From wild cat to housecat (cats) (p.p.14~15)</p> <p>15 Total review and the final exam</p>							
Feedback on Assignments (exams, reports, etc.)							
The process of finding the correct answer will carefully be explained in detail after each answer is submitted.							
Course Notes							
If a student has more than five absences, they will be excluded from grade evaluation. However this does not apply to absences approved by the academic department, such as those due to bereavement leave, practical training for classes, or attendance suspensions due to communicable diseases. Three late arrivals or early departures will count as one absence. Declarations of lateness or early departure will be accepted only on the day they occur. Class participation will also be evaluated.							
Contents of Prior and Post-learning (preparation and review)							
In the EnglishIVclasses, students are expected to spend at least 90 minutes outside of class reviewing each lesson, and at least 30 minutes preparing for each lesson. When preparing and reviewing, always check your achievement of the learning objectives from a Can-Do perspective.							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation will be made on 60% for exams (including quizzes) and 40% on normal points (presentations, submissions, class participation, etc.). In some cases, additional points may be added.							
Textbook							
Susan Williams. Animal Companions. NAN'U—DO, 2021 (ISBN: 9784523179207)							
Reference Books, Teaching Materials, etc.							
①THE CAT ENCYCLOPEDIA : THE DEFINITIVE VISUAL GUIDE (DK) (ISBN: 9780241638576)							
②THE DOG ENCYCLOPEDIA: THE DEFINITIVE VISUAL GUIDE (DK) (ISBN: 9780241600894)							
Others will be mentioned in the class.							

Course	French Basic Course				Practitioner teacher	Inst-uctor(s)	SHIRAKAWA Rie
Course Period	1st year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts	
Objectives							
<p>This course aims to be able to listen, read, write and speak, and understand elementary expressions in French. Specifically, students will understand the basic grammar for greetings and elementary conversational expressions, and acquire the ability to respond in very simple ways.</p> <p>This class will also provide an opportunity to become familiar with French culture and customs. Students will learn about how to get cross-cultural communication, through learning French language and their thinking.</p>							
Lecture Outline							
<p>To acquire basic French language skills (reading, writing, listening, speaking). Repeatedly practice pronunciation to become familiar with the unique sounds of the French language. In addition, students will learn basic knowledge of vocabulary and French grammar to understand the structure of sentences. Through “French expressions and phrases”, students will acquire practical French language skills for various situations. And they can also experience the joy of French language.</p> <p>Occasionally, we will introduce French culture, for example, songs, movies, etc. And there, we can touch on the “essence” of France as center of Western culture for long time.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Class guidance (French greeting and alphabets) 2 “Say the name” (subject personal pronoun, 1st group regular verb (“verb -er”)) 3 “Say your nationality (noun gender and number, verb être) 4 Pronunciation (liaison, enchaînement, élision) 5 “Say the occupation” (gender and number of adjectives, position of adjectives) 6 “To ask for something” (expressions of presentation “c’est ...”, article, verb avoir) 7 “Talk about your hobbies” (question, answers to questions, interrogative adjectives) 8 “Ask who” (answer to negative sentences, negative questions) 9 “Ask what you want to do” (contractions of prepositions and definite articles, indicative adjectives) 10 Mid-term summary (review and feedback on previous activities, French culture) 11 “To indicate a place” (expressions of presentation “il y a ...”, preposition indicating a place) 12 “To say where you live” (intensified personal pronoun, possessive adjective, verb connaître) 13 “Asking what you are doing” (interrogative pronoun, verb faire) 14 “Say your age” (interrogative adverb, numeral) 15 Final summary (review and feedback, final exam) 							
Feedback on Assignments (exams, reports, etc.)							
At the mid-term and the end of the term, students will be checked on their achievement of the assignments, and feedback and explanations will be given.							
Course Notes							
<p>Late arrivals and absences will be assessed, so please be careful.</p> <p>Do not neglect your preparation and review.</p> <p>Students should prepare a French-Japanese dictionary for preparation and review.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning : Solve the practice exercises in the textbook given in prior class.</p> <p>Post-lesson study : Review what you learned in class and memorize the conjugations of verbs and the vocabularies.</p>							
Evaluation Method (including evaluation criteria)							
<p>Class participation (30%), completion of mid-term and final assignments (20%), final exam (50%)</p> <p>Evaluation will be based on a totally consideration of the above.</p>							
Textbook							
『パスカル・オ・ジャポン』 白水社、藤田裕二著							
Reference Books, Teaching Materials, etc.							
<p>French-Japanese dictionary will be explained in class guidance at the beginning of the semester.</p> <p>For example : Casio EX-word (電子辞書), マイナルム和辞典 (旺文社), クラウン和辞典 (三省堂) etc.</p>							

Course	Information Literacy (Basic)				Practitioner teacher	Inst-uctor(s)	WAKABAYASHI Yoshihiro WATANABE Yuri
Course Period	1st year 1st semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>In today's information society, computers are essential tools for working people, and the ability to use computers in all professions is required, so students will acquire the basic knowledge and usage of computers that they will need during their university studies and after graduation.</p> <ol style="list-style-type: none"> 1. Learn basic computer operations and how to write e-mails, and be able to perform basic operations necessary for academic study. 2. Be able to touch type. 3. Learn the document editing techniques necessary to prepare reports and graduation theses, and be able to prepare them appropriately. 4. Learn the basics of spreadsheet software and be able to process data appropriately. 							
Lecture Outline							
<p>From the first to the sixth session, students will learn basic computer operations and acquire the basics of computer use at the university. Touch typing will be practiced each time from the second session onward. From the 7th to 11th classes, students will learn report writing techniques using Microsoft Word. From the 12th to 14th class, students will learn the basics of spreadsheets using Microsoft Excel. In the 15th class, students will summarize the class.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Information literacy is the use of computers in college. 2 Touch typing, setting up email 3 What is the Internet, and what is email etiquette? 4 Information equipment, Internet morality 5 Files and Folders, Free Software 6 Mail errors, Japanese conversion software 7 Basic operation of Microsoft Word 8 How to Write a Report (1) Inserting Figures and Captions 9 How to Write a Report (2) Formatting, Paragraphing, and Printing 10 How to write a report (3) PDF files, heading styles, formulas 11 How to write a report (4) Structure of the report 12 Microsoft Excel Features, Autofill 13 Relative and absolute references, basic functions 14 Applied functions 15 Summary (Confirmation of understanding and ability to use Word and Excel) 							
Feedback on Assignments (exams, reports, etc.)							
The assignment will be explained in the next session.							
Course Notes							
Students are expected to take the initiative in class, including exercises and assignments. In the first lesson, I will explain the attitude toward the class and the evaluation of the grade such as a confirmation test.							
Contents of Prior and Post-learning (preparation and review)							
Students are expected to prepare the textbook and review the handouts after class to deepen their understanding. All assignments should be completed as they are a review of what was learned in the class. Students are expected to practice touch typing not only in class but also outside of class time.							
Evaluation Method (including evaluation criteria)							
The overall evaluation will consist of assignments (30%), in-class tests (50%), and a proactive approach to learning (20%).							
Textbook							
情報リテラシー Windows11/Office2021 対応, FUJITSU LEARNING MEDIA LIMITED, FOM Publishing							
Reference Books, Teaching Materials, etc.							
None in particular							

Course	Information Literacy (Applied)				Practitioner teacher	Inst-uctor(s)	WAKABAYASHI Yoshihiro WATANABE Yuri
Course Period	1st year 2nd semester	Required subject 1 credit	Class format	exercises	Course Classification	Liberal Arts	
Objectives							
<p>The objective of this course is to learn information processing and information design techniques, to acquire applied computer skills, and to be able to actively use computers in a variety of situations.</p> <ol style="list-style-type: none"> 1. Be able to do advanced formatting in Excel. 2. Be able to create graphs for reports and papers in Excel. 3. Understand design principles and be able to create appropriate slides for presentations. 4. Understand the characteristics of digital images and be able to perform basic image processing. 							
Lecture Outline							
<p>From the first to the fifth session, students will learn Microsoft Excel functions, database functions, and how to create graphs. From the 6th to 10th sessions, students will learn Microsoft PowerPoint operations, design principles in creating slides, and how to convey information, and summarize Excel and PowerPoint in the 11th session. From the 12th to the 15th class, students will learn about digital image knowledge and processing techniques, and create a badge.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Microsoft Excel Nesting of Functions 2 Microsoft Excel LOOKUP series functions 3 Microsoft Excel Conditional format 4 Microsoft Excel Database 5 Microsoft Excel Creating Graphs 6 Presentation (1) What is Presentation? Features of Microsoft PowerPoint 7 Presentation (2) Basic PowerPoint operations 8 Presentation (3) Applied operation of PowerPoint 9 Presentation (4) Slide Master, Design Principles 10 Presentation (5) Slide creation exercise 11 Summary (check understanding and application of Excel and PowerPoint) 12 Digital image processing (1) Digital Image Basics 13 Digital image processing (2) Digital image processing 14 Utilizing Computers (1) Design of badges 15 Utilizing Computers (2) Creation of can badges 							
Feedback on Assignments (exams, reports, etc.)							
Students will be evaluated in a critique of their work.							
Course Notes							
<p>Students should have understood and mastered the contents of the previous semester's "Information Literacy (Basic)". Independent efforts are required in all production tasks and group activities. In this course, activities outside of class time based on the explanations given in class are mandatory, so be aware that you will not be able to do anything if you miss class.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Review the knowledge and skills learned in each content area and prepare for the next class. Students are expected to prepare and produce the production assignments prior to the class, and to complete them up to the achievement target.</p>							
Evaluation Method (including evaluation criteria)							
<p>The overall evaluation will be based on assignments (30%), in-class tests (40%), and a proactive approach to learning (30%).</p>							
Textbook							
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Reference Books, Teaching Materials, etc.							
None in particular							

Course	Wellness & Physical Activity				Practitioner teacher	Inst ructor(s) NAKAYAMA Tami
Course Period	2nd year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Liberal Arts
Objectives						
The goal is to learn the importance of continuing sports, developing a healthy body and mind, learning useful knowledge and information to live a healthy life, and reviewing one's own health.						
Lecture Outline						
To pursue the quality of life (QOL) based on the concept of wellness (an evolved interpretation of the preamble of WHO's Health Charter), students will learn how to exercise, how to obtain a healthy body, and how to prevent diseases, and deepen their awareness of their own health care. In addition, through the practice of correct posture, walking, and group exercises, which are the basis of health and all physical activities, students will be able to exercise according to their own physical strength, learn how to exercise safely and effectively, and deepen their awareness of their own health management.						
Lesson Plan						
<ol style="list-style-type: none"> 1 Orientation 2 How the human body, bones, and muscles work 3 Food and exercise to boost immunity 4 UV protection 5 Heatstroke prevention 6 Treating and preventing injuries 7 Body Trunk Training 8 lifesaving emergency procedures 9 Test 10 Ultimate practical 11 Ultimate practical 12 Table tennis practical 13 Table tennis practical 14 Table tennis practical 15 Table tennis practical 						
Feedback on Assignments (exams, reports, etc.)						
As feedback, explanations of the answers will be given after class.						
Course Notes						
Students should listen carefully to the explanations given at the orientation regarding course procedures. Refrain from any behavior that may cause trouble for others or is unbecoming of a university student.						
Contents of Prior and Post-learning (preparation and review)						
Post-lesson study: "Listen to the review of each class and organize and prepare your notes."						
Evaluation Method (including evaluation criteria)						
Comprehensive evaluation based on class participation and attitude (70%) and report exam (30%)						
Textbook						
Hand out handouts as appropriate						
Reference Books, Teaching Materials, etc.						
None						

Specialized Courses

Course	Introduction to Life Science				Practitioner teacher	Inst-ructor(s)	NAGASHIMA Takayuki ISHIKAWA Makiko
Course Period	2nd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
The findings of the life sciences (life science) are utilized in a wide range of fields such as agriculture, medicine, and engineering, leading to solutions to problems related to human life and health. Since today, knowledge and information about life science affect various aspects of our daily lives, the goal of this course is to deepen students' basic knowledge and scientific thinking to understand the current state of life science and related issues, and to deepen their awareness of its close relationship with society.							
Lecture Outline							
In this overview, we will explain in an easy-to-understand manner not only the cleverness of living organisms but also the relationship between biology and agriculture, medicine, engineering, environmental studies, sociology, etc., in order for students to understand life science, which is closely related to the way we live. In addition, the course will help students become aware of how life science should be developed in the future.							
Lesson Plan							Teacher in charge
1 What is Life Science?							ISHIKAWA
2 How Life is Designed							ISHIKAWA
3 How genomic information is expressed							ISHIKAWA
4 How complex bodies are created							ISHIKAWA
5 How much did we know about the brain?							ISHIKAWA
6 What kind of phenomenon is cancer?							ISHIKAWA
7 Summary and issues related to the fundamentals of modern life sciences							ISHIKAWA
8 The relationship between our food and our health							NAGASHIMA
9 Agricultural and Food Issues and Foodtech							NAGASHIMA
10 How humans prepare for pathogens							NAGASHIMA
11 How do organisms interact with the environment?							NAGASHIMA
12 Environmental Issues and Society							NAGASHIMA
13 A World Entering the Bioeconomy Era							NAGASHIMA
14 New Developments in Life Science and Morality							NAGASHIMA
15 Summary of advances in life science and technology and their relationship to society, and issues							NAGASHIMA
Feedback on Assignments (exams, reports, etc.)							
Report assignments and questions will be given by the instructor through reports, placement tests, etc., and feedback will be provided during the lecture. Students should pay close attention to the class reference materials and other materials distributed.							
Course Notes							
Lecture content will be distributed as needed. Students should make it a habit to take their own notes and take notes. Students are encouraged to use the university library and other resources to actively engage with topics related to the life sciences as they develop day by day. Students are expected to actively participate in lectures, as we wish to develop interactive lectures.							
Contents of Prior and Post-learning (preparation and review)							
Preparation "You are expected to research information related to the content of each class session. After-class study "You are expected to organize your own notes and notes after class.							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation will be based on in-class assignments (75%) and class participation (25%).							
Textbook							
None specified.							
Reference Books, Teaching Materials, etc.							
The lecture will be introduced during the lecture as appropriate.							

Course	Biotechnology				Practitioner teacher	Inst ructor(s)	NAGASHIMA Takayuki
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
<p>Biotechnology (genetic engineering) is a term that combines the words "Biology" and "Technology." Students will understand that biotechnology is deeply related to bioscience, which understands living organisms as a collection of molecules and applies knowledge and technology from chemistry. In the future, students will acquire basic biotechnological knowledge such as genomes, genes, PCR methods, and genetic recombination technology in order to be able to respond appropriately to situations in which they are confronted with biotechnological problems or are forced to make decisions in the future, when a vast amount of biotechnology is used in specialized fields such as animal health care and animal health care, and in real-life situations. In addition, the course aims to provide students with knowledge of silk produced by silkworms and the functions and uses of horseshoe shrimps as applications of biotechnology.</p>							
Lecture Outline							
<p>The study of the systems by which living organisms operate is called bioscience. Once that system is understood, it can be repaired, assisted, or created. Biotechnology is that technology and is closely related to bioscience, which understands organisms as collections of molecules and applies knowledge and techniques from chemistry. In the future, there will be an enormous amount of biotechnological technology in the specialty of veterinary nursing and in dealing with animal-human interrelationships, and there will be more and more situations in which biotechnology will be faced with, or will have to make decisions about, biotechnology issues. The objective of this course is to develop the ability to respond appropriately to such situations. In this lecture, basic knowledge of biotechnology, which is indispensable for living in such an era, will be lectured based on basic knowledge of biology.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction to biotechnology subjects, the wonders of genes 2 What is genome/gene? 3 Human genome, genomes of various animals 4 Mechanism of protein production from genetic information 5 Fundamentals of Genetic Recombination Technology, Genome Editing 6 PCR method 7 Gene Diagnosis Summary of Basic Biotechnology and Issues 8 Silk's past 9 Silk today 10 The Future of Silk 11 Functions of horseshoe shrimps 12 Use of horseshoe shrimps 13 Genes that determine body size 14 biotherapy 15 Summary and tasks 							
Feedback on Assignments (exams, reports, etc.)							
Feedback will be given in class on the examinations and assignments.							
Course Notes							
Biotechnological technologies and their applications are in the news in newspapers and on TV. We hope that you will be interested in how it is closely related to our daily lives.							
Contents of Prior and Post-learning (preparation and review)							
Preliminary study: Research the latest information.							
Post-lecture study: Students will summarize lecture content in lecture notes. Use the placement test to ask any questions you may have.							
Evaluation Method (including evaluation criteria)							
Placement test (60%), class participation (40%)							
Textbook							
handouts							
Reference Books, Teaching Materials, etc.							
The lecture will be introduced during the lecture as appropriate.							

Course	Introduction to Veterinary Nursing				Practitioner teacher	Inst- ructor(s)	UMEMURA Takashi IMAMURA Shinichiro SUZUKI Mitsuyuki TANIGUCHI Akiko ITO Naoyuki KIMURA Yuya FRITZ KIKKAWA Aya UCHIDA Akihiko
Course Period	1st year 1st semester	Required subjects 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
Students can understand the animal diseases that underlie nursing, theoretically explain the knowledge necessary to care for patients, and implement specific methodologies. In particular, we can position animal nursing as a practical study, clarify the position of animal nurses in society from the relationship between patients, owners, and veterinarians, and understand the need for animal nursing by animal nurses. In addition, the goal is to understand the position of veterinary nurses based on ethical and legal grounds regarding the social responsibilities associated with veterinary nursing.							
Lecture Outline							
Since this introduction is the core lecture of animal nursing, students should be made to understand animal diseases, and at the same time, theoretically explain the knowledge necessary to care for target animals in animal nursing, and further. Lecture on the concrete methodology. In particular, we position animal nursing as a practical discipline, clarify the position of nurses in society from the relationship between target animals and their owners in animal nursing, and veterinarians, and teach the necessity of animal nursing by nurses. do. In addition, regarding the social responsibility associated with nursing, the position of animal nursing will be explained based on ethical and legal grounds.							
Lesson Plan							Teacher in charge
1 Veterinary history and concepts 2 History of animal nursing and the need and social recognition of animal nurses 3 Basic concept of animal nursing (1) 4 Basic concept of animal nursing (2) 5 Establishment and characteristics of animal nursing 6 Animal Nursing Education and Pet Animal Nurse National Exam 7 Owner support and pet loss in animal nursing 8 The role of an animal nurse 9 Activities of professional associations 10 Terminal care for animals 11 Various animal views and environmental factors 12 Animal welfare concept 13 Animal welfare and society 14 Welfare of companion animals 15 Welfare of exhibited animals and working animals							UCHIDA UCHIDA TANIGUCHI TANIGUCHI IMAMURA IMAMURA ITO ITO SUZUKI KIKKAWA SUZUKI UMEMURA UMEMURA KIMURA UCHIDA
Feedback on Assignments (exams, reports, etc.)							
As feedback, I will explain the contents of the submitted report.							
Course Notes							
Since it is a class that governs the origin of animal nursing to be studied from now on, the content is diverse. Therefore, it is necessary to organize each lesson together.							
Contents of Prior and Post-learning (preparation and review)							
Pre-study "Read the textbook page related to the content of each lesson", Post-study "After each lesson, review the contents of the lecture materials and supplement the points of interest by self-study."							
Evaluation Method (including evaluation criteria)							
Evaluation is based on class participation, report submission (50%) and exam (50%).							
Textbook							
"Animal Nursing Education Standard Curriculum Compliant Applied Animal Nursing ① (Introduction to Animal Nursing, Human Animal Relations, Animal Welfare / Ethics) Animal Health Nursing University Association Curriculum Review Committee, Interzoo							
Reference Books, Teaching Materials, etc.							
1. 獣医看護学 上下巻、山村穂積訳、チクサン出版 2. 動物看護学 各論・総論、日本動物看護学会教科書編集委員会編、インターズー							

Course	Introduction to Animal- Human Relations				Practitioner teacher	Inst-ructor(s)	NIIJIMA Noriko NAGASHIMA Takyuki YAMADA Fumiya ISHIKAWA Makiko AKIYAMA Junko HORII Takayuki
Course Period	1st year 2nd semester	Required subjects 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
<p>1. The relationship between humans and animals. To understand 1) the history of animal husbandry and use, 2) the differences between the Western and Japanese views of animals and our relationship with them, 3) the current status of animal care and use.</p> <p>2. Human welfare and the relationship with pet animals. To understand 1) the basic knowledge of the link between animal abuse and interpersonal violence, 2) animal-hoarding collapse, 3) the benefits that pet animals provide to children and the elderly, and the various circumstances that make it difficult to keep pet animals as people age.</p> <p>3. Animal-assisted activities, animal-assisted therapy and animal-assisted education. To understand 1) the physical and psychological effects of contact with animals on humans, 2) the purpose and content of animal assisted activities, animal assisted therapy and animal assisted education, 3) the public health and behavioral suitability of animals used in animal assisted activities, animal assisted therapy and animal assisted education, 4) the involvement of veterinary clinics and pet nurses in animal care activities, animal care therapy and animal care education, 5) the purpose and reality of school animals and the involvement of pet veterinary nurses (including the recognition by the Ministry of Education, Culture, Sports, Science and Technology as part of moral education).</p>							
Lecture Outline							
Learn about the role that animals play in human society, their background and history, and understand the relationship between humans and animals from psychological and sociological aspects, including the realities and issues involved.							
Lesson Plan							Teacher in charge
1 Guidance, what is Animal Human Relations?							Nagashima
2 The relationship between humans and animals (history and current situation of animal husbandry and use)							Niijima
3 Animals in Japanese Literature and Art							Niijima
4 Differences between Western and Japanese views on animals and our relationship with them							Niijima
5 The current status of animal husbandry and use, and the role of animals in contributing to human life							Ishikawa
6 Working animals (history, welfare, assistance dogs: guide dog, mobility service dog, hearing dog)							Ishikawa
7 Human welfare (the benefits of pets to people: physical and psychological effects) and the problems of keeping pets as people age.							Niijima
8 Pet ownership (reasons for keeping pets, history/current situation, attachment/dependence, pet loss)							Niijima
9 The purpose and reality of school animals and the involvement of pet veterinary nurses							Niijima
10 Objectives and contents of Animal Assisted Activity (AAA), Animal Assisted Therapy (AAT) and Animal Assisted Education (AAE)							Akiyama
11 Behavioral appropriateness of animals used in AAA, AAT and AAE							Horii
12 AAA, AAT, AAE and public health							Yamada
13 The role of veterinary hospitals and veterinary nurses in AAA, AAT and AAE							Akiyama
14 The link between animal cruelty and interpersonal violence and animal-hoarding							Horii
15 State of the pet industry							Horii
Feedback on Assignments (exams, reports, etc.)							
Feedback on reports and questions will be given in the "Summary" section.							
Course Notes							
The university library has an extensive collection of audio-visual materials as well as books in this field. Students are expected to use these materials to actively absorb as much knowledge as possible and grasp a clear study policy for their future in parallel with lectures. Reference materials will be distributed via Moodle.							

Contents of Prior and Post-learning (preparation and review)
Prior learning: Read books and materials according to the lesson plan.
Post-lesson study: Review the materials distributed in class and submit a report within the specified period.
Evaluation Method (including evaluation criteria)
The overall evaluation will be based on 50% class participation and 50% reports.
Textbook
愛玩動物看護師カリキュラム準拠教科書シリーズ 4巻 動物看護学概論/人と動物の関係学/生命倫理・動物福祉 一般社団法人 日本動物保健看護系大学協会 カリキュラム委員会編、Eduward Press ISBN : 978-4-86671-158-4 (in Japanese)
Reference Books, Teaching Materials, etc.
Printouts and slides will be used as teaching materials as needed.

Course	Animal Functional Anatomy				Practitioner teacher	Inst-ructor(s)	IMAMURA Shinichiro
Course Period	1st year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
Understand the structure of cells, tissues and organs. Understand the structure of the circulatory system, respiratory system, digestive system, endocrine system, urinary system, reproductive system, brain and nervous system, locomotor system, and skin.							
Lecture Outline							
Learn the mechanism of animal life maintenance from the aspect of morphology, understand animals as living organisms at each level of cells, tissues, and organs, and establish the basis for learning about pathological changes.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction to morphology. What are cells, tissues and organs? 2 Skeletal system (basic structure of bones, bone tissue, hematopoietic tissue, trunk bones) 3 Skeletal system (limb bones, joints) 4 Skeletal system (skeletal muscles: musculature, head, neck, chest, lumbar, abdomen) 5 Skeletal system (skeletal muscles: forelimbs, hindlimbs) 6 Respiratory system 7 Circulatory system 8 Gastrointestinal tract (oral cavity, pharynx, esophagus, stomach) 9 Gastrointestinal tract (small intestine, large intestine, liver, pancreas) 10 Urinary system 11 Reproductive system 12 Cerebral nerve system 13 Special sense organs system 14 Ectodermal system, Sensory receptors in the skin 15 Endocrine system 							
Feedback on Assignments (exams, reports, etc.)							
The answers to the quizzes given in class are not shown. However, the question is answered firmly.							
Course Notes							
Take attendance every time. There is a considerable amount of information to memorize, so be sure to organize it little by little daily. Also, please try to remember anatomical terms correctly. Try to write them in “kanji” as much as possible. Colored atlas for self-study, preparation and review, useful for second year practical training.							
Contents of Prior and Post-learning (preparation and review)							
The class will basically be conducted in the order of the syllabus, so please read through the assigned textbook for that unit. After class, please refer to the handouts and compare your notes with the notes you took in class.							
Evaluation Method (including evaluation criteria)							
Evaluation will be based on the overall judgment of class participation (20%), quizzes (30%), and regular examinations (50%).							
Textbook							
<ol style="list-style-type: none"> 1. 愛玩動物看護師カリキュラム準拠教科書 1 巻 動物形態機能学・動物繁殖学、EDUWARD Press 2. 犬の解剖カラーリングアトラス 学窓社 							
Reference Books, Teaching Materials, etc.							
<ol style="list-style-type: none"> 1. Color Atlas of Veterinary Anatomy、EDUWARD Press 2. カラーアトラス 獣医解剖学 上下巻、EDUWARD Press 							

Course	Animal Physiology				Practitioner teacher	Inst-ructor(s)	IMAMURA Shinichiro
Course Period	1st year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
Understand the function of cells, tissues and organs. Understand the function of the circulatory system, respiratory system, digestive system and nutritional metabolism, endocrine system and hormones, urinary system and fluid regulation, brain and nervous system, blood and hematopoietic organs, locomotor system, and skin.							
Lecture Outline							
Learn the mechanism of animal life maintenance from the aspect of physiology, understand animals as living organisms at each level of cells, tissues, and organs, and establish the basis for learning about pathological changes							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction to physiology. Structure and function of cells, organelles 2 Body fluids, electrolytes and acid-base equilibrium 3 Fluid regulation and urine formation, clearance 4 Blood (including plasma component and blood cell component) 5 Respiratory systems and its regulation 6 Heart and blood circulation (heart, myocardial properties, myocardial excitation, cardiac cycle, EKG, etc) 7 Heart and blood circulation (regulation of cardiac function, principles of the blood circulation, vessels, etc) 8 Digestion and absorption (mechanical digestive activity, chemical digestion of the gastrointestinal tract, etc) 9 Digestion and absorption (pancreatic function, liver function, absorption of nutrients, etc) 10 Endocrine system functions, function of various hormones 11 Reproductive function, reproductive system hormonal, sexual cycle 12 Nervous system (action potential, conduction and transmission of excitation, synapse) 13 Nervous system (central nerve function, peripheral nerve function (including autonomic nerve function)) 14 Sensory receptors, somatic sensations, special sensations 15 Structure and characteristics of skeletal muscles, reflex movements 							
Feedback on Assignments (exams, reports, etc.)							
The answers to the quizzes given in class are not shown. However, the question is answered firmly.							
Course Notes							
Take attendance every time. Listen to the class carefully and take notes actively. I want you to apply the lecture's content to your own body and "feel" it.							
Contents of Prior and Post-learning (preparation and review)							
The class will basically be conducted in the order of the syllabus, so please read through the assigned textbook for that unit. After class, please refer to the handouts and compare your notes with the notes you took in class.							
Evaluation Method (including evaluation criteria)							
Evaluation will be based on the overall judgment of class participation (20%), quizzes (30%), and regular examinations (50%).							
Textbook							
愛玩動物看護師カリキュラム準拠教科書 1 巻 動物形態機能学・動物繁殖学、EDUWARD Press							
Reference Books, Teaching Materials, etc.							
基礎動物生理学、アドスリー 生理学 文永堂							

Course	Practice of Animal Anatomy and Physiology				Practitioner teacher	Inst- ructor(s)	IMAMURA Shinichiro
Course Period	2nd year 2nd semester	Required subject 2 credits Electives 2 credits	Class format	training	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
This course aims to gain a concrete understanding of the structure and function of tissues, organs and body through observation and experimentation.							
Lecture Outline							
The anatomical component of animal morphology includes the skeleton, skeletal muscles, abdominal organs, thoracic organs, urogenital organs, focusing on the canine. As a histology, observe the histological image of major organs with a microscope and understand its characteristics. The physiological component includes changes in vital signs, ECG and blood pressure measurements and their significance, actual measurements related to sensation, and corpuscle measurements related to renal function to understand physiological function.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Orientation of the whole practice. Practical training on the skeleton (sketching of the skull, vertebrae and thorax) 2 Practical training on the skeleton (sketching of forelimb bones and hindlimb bones) 3 Practical training on the skeletal muscles (observation of head and trunk muscles, reproduction of skeletal muscles with clay) 4 Practical training on the skeletal muscles (observation of neck and forelimb muscles, reproduction of skeletal muscles with clay) 5 Practical training on the skeletal muscles (observation of hindlimb and whole body muscles, reproduction of skeletal muscles with clay) 6 Practical training on the intestinal organs (sketching of abdominal and pelvic organs) 7 Practical training on the intestinal organs (sketching of thoracic organs (including pig heart) and brain) 8 Practical training on the tissues (sketching of tongue, small intestine, pancreas, liver and kidney) 9 Practical training on the tissues (sketching of lung, cardiac muscle, skeletal muscle and artery and vein) 10 Practical training on the tissues (sketching of endocrine tissue, skin and bone) 11 Practical training on the regulation of the circulatory system, respiratory system and body temperature (measuring of TPR at rest and after exercise using dogs) 12 Practical training on the cardiovascular system (measuring your own ECG and interpreting the waveform, measuring blood pressure and interpreting the values) 13 Practical training on the sensory system (measuring of visual field, two-point discrimination threshold and temperature/cold sensation) 1 14 Practical training on the sensory system (measuring of visual field, two-point discrimination threshold and temperature/cold sensation) 2 15 Practical training on the renal function (observation and quantification of renal corpuscles using pig kidney) 							
Feedback on Assignments (exams, reports, etc.)							
All sketches and reports will be returned, so please do not discard them and use them in future application courses.							
Course Notes							
Take attendance every time. There is a considerable amount of information to memorize, so be sure to organize it little by little daily. Also, please try to remember anatomical terms correctly. Try to write them in “kanji” as much as possible. Colored atlas for self-study, preparation and review, useful for second year practical training.							
Contents of Prior and Post-learning (preparation and review)							
The details of the training will be developed based on the materials given each time, but please keep in mind that you will review the morphology and physiology that you studied in the first year in advance.							
Evaluation Method (including evaluation criteria)							
Class participation (70%) and examination, assignments and reports (30%) will be judged comprehensively.							
Textbook							
犬の解剖カラーリングアトラス、学窓社							
Reference Books, Teaching Materials, etc.							
愛玩動物看護師カリキュラム準拠教科書 1 巻 動物形態機能学・動物繁殖学、EDUWARD Press							

Course	Animal Environmental Science				Practitioner teacher	Inst ructor(s)	MITSUI Kana AKIYAMA Junko
Course Period	2nd year 1st semester	Required Subject 2 credits Electives 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
<p>1. Pet ownership and environment maintenance (1) To understand the necessity and methods (including problem behavior prevention) of pet-keeping environment maintenance for people and pets based on animal behavior studies (2) Understand the current status of pet-friendly housing and methods of environmental maintenance and management</p> <p>2. Pet tourism-related facilities and dog runs (1) To understand the current status of pet tourism and how it is implemented (2) To understand the environmental maintenance and management methods of pet-accompanied lodging hotels (3) To understand how to improve and manage the environment of dog-run facilities (4) To understand the planning and operation of pet-related event activities and regional promotion</p> <p>3. Protective housing facilities 1) To understand the environmental maintenance and management methods of animal shelters and disaster evacuation facilities, and shelter medicine 2) Understand the role of animal welfare management centers, overview of facilities, and public awareness activities</p> <p>4. Education and training facilities for pets (1) To understand the significance, necessity, methods, and facilities for animal socialization training</p> <p>5. Animal Assisted Education Facilities (1) To understand methods of environmental maintenance and management of facilities for school-bred animals, etc.</p> <p>6. Manners for keeping pets and dealing with risks such as accidents and injuries (1) Understand the necessity and purpose of pet-keeping manners (2) Understand the history of pet-keeping manners and the differences in pet-keeping manners in different regions (3) To understand the various ordinances on pet-keeping manners established by local governments (4) To understand the manners required for each type of pet animal (5) To understand the structure and reality of pet insurance</p>							
Lecture outline							
Based on an understanding of animal behavior patterns, students will learn about methods for maintaining and managing the environment for keeping pets in homes, pet-symbiotic housing, pet tourism-related facilities, dog runs, protective housing facilities, pet education and training facilities, and animal-assisted education facilities etc., as well as methods and manners for removing and reducing risks such as pet accidents and injuries, in order to understand how the living environment should be for coexistence between humans and pets.							
Lesson plan						Teacher in charge	
1 orientation						MITSUI	
2 How to manage dogs and cats, and prevent problem behaviour						MITSUI	
3 Improving the pet-owning environment in pet-friendly housing (guest speaker)						MITSUI	
4 How to live with and manage dogs and cats (guest speaker)						MITSUI	
5 Environmental improvements to pet-friendly accommodation and dog runs (guest speaker)						AKIYAMA	
6 Current status and implementation of pet tourism.						AKIYAMA	
7 Planning and organising pet-related event activities and community development						AKIYAMA	
8 Role of animal welfare management centres.						MITSUI	
9 Environmental improvement of animal housing shelters and disaster shelters, shelter medicine						MITSUI	
10 Operation of private shelters (guest speaker)						MITSUI	
11 Owner education and animal socialisation training facilities						MITSUI	
12 Improving the environment of animal-assisted education facilities						AKIYAMA	
13 Pet ownership etiquette and related regulations						AKIYAMA	
14 Manners for keeping different types of pet animals						AKIYAMA	
15 Pet insurance (guest speaker)						AKIYAMA	
Feedback on assignments (exams, reports, etc.)							
Detailed instructions for the in-class test are posted in the Moodle topic.							

Course Notes

The class will be based on handouts, PowerPoint presentations, and written notes. Students are encouraged to actively take notes on important information and to make their own notes and retain them in their memory. Students are expected to remember to bring handouts to class. If you are absent, please submit a notice of absence or send an e-mail with the reason for your absence before the next class.

Contents of prior and post-learning (preparation and review)

Pre-work: Read the pages of the textbook related to the content of each class session.

Post-lesson review: Review the in-class tests and study the related topics.

Evaluation method (including evaluation criteria)

Comprehensive evaluation based on class participation (25 %) and regular examinations (75 %).

Class participation will be evaluated based on attendance and absence as well as active learning attitude such as preparation and asking questions about unclear points in class.

Textbook

Pet Nurse Curriculum Compliant Volume 10, Theory of Proper Care and Guidance / Animal Life and Environment Studies / Introduction to Pet-Related Industries, Eduward Press.

Reference books, teaching materials, etc.

Introduced in lectures as appropriate.

Course	Animal Behavior				Practitioner teacher	○	Inst-ructor(s)	FRITZ KIKKAWA Aya
Course Period	2nd year 1st semester	Electives 2credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]		
Objectives								
<p>1. Basics of animal behaviour. To understand the four questions of animal behaviour (adaptation, evolution, mechanism and development), the evolution of behaviour, adaptation and domestication, innate behavior and learned behavior, and how the brain controls behaviour.</p> <p>2. Individual maintenance behaviour. To understand feeding, drinking, defecation, grooming, and self-defense behavior.</p> <p>3. Developmental process and social behaviour. To understand the developmental stages (neonatal, transition, socialization, young, mature and old) and the behavioural characteristics of each stage, reproductive, communicative, and hostile and friendly behaviour.</p> <p>4. Learning theory. To understand the formation of behavior, habituation and sensitization, classical conditioning and operant conditioning, and the factors that influence learning. Understand basic training methods (toilet training, crate training, biting control, etc.)</p> <p>5. Problem behaviour. To understand the definition of problem behaviour and the factors that contribute to it (genetic, innate and environmental factors), the types of aggressive behaviour, their causes (motivation) and treatment. To understand the causes of problem behaviors related to fear and anxiety, inappropriate defecation behaviour, and cognitive dysfunction in old age.</p> <p>6. Behavioural treatment. To understand how to proceed with behavioral treatment, the types and indications of behavior modification and environmental modification methods, and pharmacotherapy in behavioral treatment.</p>								
Lecture Outline								
Learn about the behavioural characteristics of dogs and cats as a species, and understand the causes of problem behaviour and how to deal with and prevent it.								
Lesson Plan								
<ol style="list-style-type: none"> 1 Basic concepts of animal behaviour and evolution of behaviour 2 Meaning and effects of maintenance behaviour 3 Social behaviour (significance of grouping, communication between individuals, hostile and friendly behaviour) 4 Mechanism of behavioral expression (motivation of behavior, innate behavior of search and completion) 5 Timing of behavioural expression (periodicity, reproductive behaviour, developmental science in dogs and cats) 6 Learning theories of behaviour (classical and operant conditioning) 7 Definition and factors of problem behaviour (normal and abnormal behaviour, congenital and acquired factors) 8 Procedures of behavioural treatment (counselling and consultation) 9 Methods of behaviour modification (e.g., desensitization, antagonistic conditioning, higher-order conditioning, etc.) 10 Aggression problems in dogs and how to deal with them (e.g., assertive aggressive behaviour) 11 Fear/anxiety-related problem behaviors in dogs and their management 12 Feline elimination problems and strategies (e.g., urine marking) 13 Aggression problems and coping strategies in cats (e.g., conflict aggression) 14 Age-related cognitive dysfunction in dogs and cats and how to manage it 15 Preventing behavioural problems (pre-homing consultation, puppy classes, proper handling) 								
Feedback on Assignments (exams, reports, etc.)								
A quiz on the course content will be given at the end of each lecture. Questions about the lecture content will be accepted after each lecture and explained in the subsequent lectures.								
Course Notes								
The class will be conducted based on handouts, power points, and videos on the Moodle system. Students are encouraged to write down important information in their notebooks and make notes in their own handwriting to consolidate their memory. You must inform the teacher of the reason for your absence. If you are absent without notifying the teacher, your grade will be deducted. Moodle will post announcements and class reference materials.								
Contents of Prior and Post-learning (preparation and review)								
Prior study: Read the material for the next class on Moodle and understand the meaning of technical terms. After class: Write down the important points explained in the lecture in your notebook. Reread the handouts.								
Evaluation Method (including evaluation criteria)								
Comprehensive evaluation based on the end-of-term exam (60%) and class participation (40%).								
Textbook								
愛玩動物看護師カリキュラム準拠 6巻「動物行動学／愛玩動物学／比較動物学」エデュワードプレス								
Reference Books, Teaching Materials, etc.								
獣医学教育モデル・コア・カリキュラム準拠 臨床行動学 (森裕司、他著) インターズー								

Course	Animal Genetics				Practitioner teacher	Inst-ructor(s)	MURAKAMI Takahiro
Course Period	1st year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
Using various animals such as mammals and birds, as examples, students will systematically learn conventional Mendelian genetics, molecular genetics, and applied genetics. The goal of this course is to acquire the basic knowledge of animal genetics required for the Animal Nursing and Animal Human Relations majors.							
Lecture Outline							
Genetics is an important field of life science. From the accumulation of classical empirical laws, the concept of genetics has been established as a theoretically structured discipline with the recent remarkable progress in molecular and population genetics. In this lecture, we will explain the basic concepts of genetics with a focus on Mendelian genetics. We will also introduce the relationship between conventional Mendelian genetics and molecular genetics and explain how these are used in laboratory animals, industrial animals, and companion animals.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Genetics Around Us 2 Basic Laws of Heredity (1) Mendel's Laws 3 Basic Laws of Heredity (2) Extension of Mendel's Laws 4 Structure and Function of Genes (1) Structure of DNA 5 Structure and Function of Genes (2) Gene Duplication and Information Transmission 6 Chromosomes and Cell Division 7 Linkage and Genetic Map 8 Sex Determination and Inheritance 9 Inheritance of Quantitative Traits 10 Population Genetics 11 Natural Selection 12 Sexual Selection 13 Coevolution within a community 14 Behavioral Genetics 15 Summary of the Course 							
Feedback on Assignments (exams, reports, etc.)							
Feedback on quizzes, reports and questions will be given in the lecture.							
Course Notes							
It is recommended that students have taken Basic Biology.							
Contents of Prior and Post-learning (preparation and review)							
Review the handouts in the class to deepen your understanding and prepare for the next class.							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on quizzes (50%) and examinations (50%) at each class.							
Textbook							
The textbook is not specified, but the documents for each lecture will be distributed.							
Reference Books, Teaching Materials, etc.							
カラー図解 進化の教科書 第2巻 進化の理論/第3巻 系統樹や生態から見た進化, 2017年, カール・ジンマー, ダグラス・J・エムレン著, 講談社ブルーバックス							

Course	Theriogenology				Practitioner teacher	Inst-ructor(s)	MURAKAMI Takahiro
Course Period	3rd year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
Reproduction is one of the most essential aspects of an animal's life, closely related to its evolutionary history. The main objective of this course is to understand the fundamentals of reproductive processes.							
Lecture Outline							
In this course, students will learn morphology of reproductive organs, mechanisms of animal reproduction, implantation, pregnancy and parturition. Reproduction is an important process for animal behavior and their evolution. Thus, students will learn the effects of reproduction on animal behavior and evolution. Students are able to understand behavior, physics, and morphology related to reproduction.							
Lesson Plan							
<ol style="list-style-type: none"> 1 What is reproduction? Relationships between reproduction and evolution 2 Genetics basis for understanding reproduction 3 Genetic mechanisms and recent knowledge and technologies 4 Genetic diseases and developmental disorders 5 Morphology and function of reproductive organs 6 Control of reproductive functions by sex-hormones 7 Sexual maturity and signs of estrus, mechanisms of ovulation 8 Sexual cycle, vaginal smear test, and optimal mating time 9 Ovum, sperm and fertilization 10 Implantation, development, pregnancy and placenta 11 Parturition, spaying, neutering and artificial insemination 12 Neonatal care, lactation and development of newborns 13 Reproductive physiology of farm animals 14 Reproductive physiology of wildlife 15 Summary of theriogenology 							
Feedback on Assignments (exams, reports, etc.)							
A quiz will be given in each class, and explanations, responses and comments of the quiz will be given at the following class.							
Course Notes							
It is recommended that students have learned basic genetics and embryology							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning: Before each class, check the basic knowledge and keywords.</p> <p>Post-lesson study: After each class, students should review essential parts of the lecture</p>							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on the results of 20% of class participation, 80% of written examinations (50% of regular examinations and 30% of quizzes).							
Textbook							
The textbook is not specified. Materials for each lecture will be distributed.							
Reference Books, Teaching Materials, etc.							
動物看護師教育コアカリキュラム 2019 準拠・基礎動物看護学 1, 動物形態機能学・動物繁殖学, エデューワードプレス.							

Course	Veterinary Pharmacology				Practitioner teacher	Inst ructor(s)	OGOSE Naohito
Course Period	2nd year 1st semester	Required subject 2 credits Electives 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]	
Objectives							
<ol style="list-style-type: none"> 1. Basics of animal pharmacology 2. Handling of drugs by animal nurse 3. Drugs that affect the nervous system 4. Drugs that affect the respiratory system 5. Drugs that affect the cardiovascular system and urinary system 6. Drugs that affect the digestive organs 7. Drugs for autacid, metabolic and endocrine systems 8. Drugs that affect the blood and immune system 9. Drugs used in the treatment and prevention of infectious diseases 10. Drugs used in the treatment of malignant tumors 							
Lecture Outline							
Learn about the pharmacokinetics and mechanism of action of typical drugs, their clinical applications and side effects, and understand how they are used in the diagnosis and treatment of animal diseases.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Fundamentals of Animal Pharmacology 1 2 Basics of Animal Pharmacology 2 3 Basics of animal pharmacology 3 4 Handling of drugs by animal nurse 5 Drugs acting on the nervous system 6 Drugs that affect the respiratory system 7 Drugs acting on the cardiovascular and urinary systems 8 Drugs that affect the gastrointestinal tract 9 Autacid-related drugs, steroid hormone preparations 10 Therapeutic and prophylactic agents for infectious diseases 1 11 Therapeutic and prophylactic agents for infectious diseases 2 12 Drugs for malignant tumors (antineoplastic drugs) 13 Drugs acting on the blood and immune system 1 14 Drugs that affect the blood and immune system 2 15 Drugs acting on metabolic and endocrine systems 							
Feedback on Assignments (exams, reports, etc.)							
Administer a quiz and provide answers and explanations during the class.							
Course Notes							
Always pay attention to the names and ingredients of the medical or over-the-counter drugs you take.							
Contents of Prior and Post-learning (preparation and review)							
Pre-class preparation: Review the textbook and other materials in advance, referring to the course plan and distributed materials. Post-class study: Review the key points presented in class and quizzes to solidify your knowledge.							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on the regular exam results and class participation.							
Textbook							
愛玩動物看護師カリキュラム準拠教科書 2 巻 動物病理学 / 動物薬理学 (日本動物保健看護系大学協会 カリキュラム委員会編) エデュワードプレス							
Reference Books, Teaching Materials, etc.							
Distribute materials aligned with the lecture content.							

Course		Veterinary Pathology			Practitioner teacher	Inst ructor(s)	UMEMURA Takashi
Course Period	2nd year 1st semester	Required subject	2 credits Electives 2 credits	Class format	lecture	Course Classification	Specialized Education [Basic Specialized Education]
Objectives							
Pathology is an essential subject that provides the basis for understanding animal health and disease. The purpose of this course is to learn about the concept of disease: what causes various diseases, what biological changes occur in the body, and how the disease progresses, and to understand the academic background of various animal care activities in clinical practice through a comprehensive understanding of diseases.							
Lecture Outline							
Pathology is an essential subject that provides the basis for understanding animal health and disease. Students will learn the basic knowledge of disease concepts, such as what causes various diseases, what kind of biological changes occur in the body, and how the disease progresses to understand diseases.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction to the field of pathology 2 Maintenance of homeostasis (homeostasis, feedback mechanisms) 3 Degenerative lesions (degeneration, necrosis, apoptosis, atrophy) 4 Progressive lesions (regeneration, hyperplasia, metaplasia, wound healing) 5 Circulatory disorders (localized circulatory disorders, systemic circulatory disorders) 6 Inflammation (definition of inflammation, causes, outcomes) 7 Acute and chronic inflammation (chemical transmitters, cytokines) 8 Immunity (fundamentals of immunity, liquid immunity, cellular immunity) 9 Immune abnormalities (autoimmune diseases, allergies, immunodeficiency) 10 Tumor 1 (concept, classification) 11 Tumor 2 (gene damage, cancer (suppressor) gene) 12 Blood (about blood, hematopoietic tissue, blood diseases) 13 Genetics and congenital anomalies (etiology, genetic diseases, chromosomal abnormalities, developmental patterns, classification of malformations) 14 Metabolic disorders (disorders of carbohydrate, protein, nucleic acid, lipid, inorganic, and pigment metabolism) 15 Aging and Summary 							
Feedback on Assignments (exams, reports, etc.)							
The evaluation criteria for the submitted reports will be explained at a later date.							
Course Notes							
Students need to understand basic subjects such as animal anatomy, biochemistry, and physiology. In addition, students should be familiar with the terminology used in pathology.							
Contents of Prior and Post-learning (preparation and review)							
Please refer to the syllabus to gather basic knowledge in advance. Compile notes based on the materials presented in class, review them using the textbook, and use the library to build on your knowledge.							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on class participation (20%), reports (20%), and regular exam (60%)							
Textbook							
Basic Animal Nursing (2) Animal Pathology and Pharmacology (Interzoo) following the Core Curriculum for Animal Nursing Education 2019							
Reference Books, Teaching Materials, etc.							
Simple Pathology (Nanjiang-do)							

Course	General Theories of Animal Clinical Nursing				Practitioner teacher	○	Inst-ructor(s)	ITO Naoyuki SUZUKI Tomoko
Course Period	1st year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education		
Objectives								
1. Development of the animal health care process 2. Medical records 3. Veterinary nursing duties 4. Techniques related to terminal care								
Lecture Outline								
To learn the series of processes in the animal care process and acquire the basic concept of animal care with emphasis on the individuality of each case.								
Lesson Plan								Teacher in charge
1 What is a veterinary nurse								ITO
2 Development of the Animal Nursing Process 1								SUZUKI
3 Development of the Animal Nursing Process 2								SUZUKI
4 Development of the Animal Nursing Process 3								SUZUKI
5 Development of Animal Nursing Process 4								SUZUKI
6 Medical Record 1								ITO
7 Medical Record 2								ITO
8 Animal Nursing Care Services 1								ITO
9 Animal Nursing Care Services 2								ITO
10 Animal Nursing Care Services 3								ITO
11 Animal Nursing Care Services 4								ITO
12 Animal Nursing Care Services 5								ITO
13 Animal Health Care Services 6								SUZUKI
14 Techniques related to terminal care 1								SUZUKI
15 Techniques related to terminal care 2								SUZUKI
Feedback on Assignments (exams, reports, etc.)								
Return comments on reports, etc.								
Course Notes								
Since there is a wide range of subjects to be studied and many of them are basic, students should familiarize themselves with the subjects by reading the textbooks and reference books of the specialized subjects to be studied in stages and studying the technical terms in preparation.								
Contents of Prior and Post-learning (preparation and review)								
Prior learning: Read the textbook and other materials related to the content of the class. Post-lesson study: Read and reread the class handouts and textbook, and compile notes.								
Evaluation Method (including evaluation criteria)								
Overall evaluation based on class participation and report assignments (40%) and regular examinations (60%)								
Textbook								
愛玩動物看護師カリキュラム準拠教科書 9 巻 動物臨床看護学総論 / 動物臨床看護学各論 (日本動物保健看護系大学協会 カリキュラム委員会編) エデュワードプレス Handouts will be distributed according to the lecture content.								
Reference Books, Teaching Materials, etc.								
Introduced in lecture.								

Course	Practice of Veterinary Medical Nursing I				Practitioner teacher	○	Inst-ructor(s)	ITO Naoyuki MITSUI Kana ARAKAWA Maki TOMONO Haruka
Course Period	1st year 2nd semester	Required subject	Class format	training	Course Classification	Specialized Education		
Objectives								
1. physical examination 2. Medical examination assistance								
Lecture Outline								
Acquire the practical skills to apply the knowledge learned in veterinary internal medicine nursing, including the techniques necessary for internal medicine treatment.								
Lesson Plan								
1 Basic knowledge of veterinary nursing 2 Canine handling 3 Exam assistance 2: Basic holding method 1 4 Exam assistance 3: Basic holding method 2 5 How to handle a cat 6 Physical examination 1 7 Physical examination 2 8 Physical examination 3 9 Medical exam assistance 4 10 Medical exam assistance 5 11 Medical exam assistance 6 12 Medical exam assistance 7 13 Retention method review 14 General summary 15 Practical skill check								
Feedback on Assignments (exams, reports, etc.)								
Return comments on reports, etc.								
Course Notes								
Since the scope of study is broad and includes many basic items, students should familiarize themselves with the subject by reading the textbooks and reference books of the specialized subjects to be studied in stages and by studying technical terms.								
Contents of Prior and Post-learning (preparation and review)								
Prior learning: Read the textbook and other materials related to the content of the class and relate them to the previous semester's class. Post-lesson study: Review the class and handouts, and compile notes.								
Evaluation Method (including evaluation criteria)								
Comprehensive evaluation based on class participation and assignment reports (60%) and regular examinations (practical and written) (40%)								
Textbook								
・愛玩動物看護師カリキュラム準拠教科書 7巻 動物内科看護学 / 動物臨床検査学 (日本動物保健看護系大学協会 カリキュラム委員会編) エデュワードプレス ・動物看護実習テキスト 第3版 エデュワードプレス								
Reference Books, Teaching Materials, etc.								
Handouts will be distributed according to the lecture content. 1) よく診る犬の疾患・猫の疾患 50 (鈴木立雄、interzoo)、2) 動物看護テキスト (改訂2版) 谷口明子著、ファームプレス)、3) 動物看護の実践 (第2版)、ファームプレス								

Course	Veterinary Medical Nursing			Practitioner teacher	○	Inst ructor(s)	FRITZ KIKKAWA Aya TANIGUCHI Akiko
Course Period	2nd year 2nd semester	Required subject 2 credits Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>1. maintenance and promotion of health</p> <p>(1) Understand the content and purpose of health examinations</p> <p>2. techniques necessary for assisting in medical examinations</p> <p>(1) To understand the role of the pet nurse in medical examinations</p> <p>(2) To understand the preparation and hygiene management of the examination room</p> <p>(3) To understand the appropriate way to treat each species of animal</p> <p>(4) To understand the basic principles, purpose, and methods of restraint</p> <p>(5) Understand physical examination and assessment items (weight, temperature, pulse, respiration, level of consciousness, mucous membrane color, groin artery pressure, capillary refill time (CRT), shallow lymph nodes, etc.)</p> <p>3. techniques required for examination and treatment</p> <p>(1) Understand how to handle and manage syringes</p> <p>(2) Understand the purpose and methods of blood collection</p> <p>(3) To understand the purpose and methods of urine collection (puncture, catheterization, etc.)</p> <p>(4) To understand puncture and aspiration</p> <p>(5) To understand various types of catheter insertion</p> <p>(6) To understand oxygen inhalation</p> <p>(7) To understand microchip insertion</p> <p>4. techniques related to medication administration</p> <p>(1) Understand prescribing of medications</p> <p>(2) Understand how to use oral medications</p> <p>(3) To understand how to inject drugs</p> <p>(4) Understand how to use topical medications and how to administer medication baths</p> <p>(5) Understand the precautions to be taken before and after administering medications. 5.</p> <p>5. techniques related to infusion</p> <p>(1) Understand the indications and risks of infusion</p> <p>(2) Understand infusion planning</p> <p>(3) Understand the characteristics and indications of various infusion agents</p> <p>(4) To understand monitoring during infusion</p> <p>6. techniques related to blood transfusion</p> <p>1) Understand the indications and risks of blood transfusion</p> <p>2) Understand blood transfusion planning</p> <p>3) Understand cross-match testing and blood typing</p> <p>4) Understand the indications and characteristics of various transfusion products</p> <p>5) Understand the procedures involved in blood transfusion</p> <p>6) Understand adverse reactions to blood transfusion</p> <p>7. techniques related to electrocardiogram and blood pressure</p> <p>(1) Understand the purpose and significance of electrocardiography</p> <p>(2) Understand how to perform electrocardiography</p> <p>(3) To understand the method, significance, and precautions for blood pressure measurement</p> <p>8. Techniques related to X-ray examination and CT/MRI</p> <p>(1) To understand the purpose and significance of X-ray examination</p> <p>(2) To understand radiation protection</p> <p>(3) To understand how to perform radiographic examinations and the positions in which radiographic images are taken</p> <p>(4) To understand contrast and fluoroscopy</p> <p>(5) To understand film development and digital radiography</p> <p>(6) To understand CT and MRI. 9.</p> <p>9. techniques related to ultrasonography</p> <p>(1) Understand the purpose and method of ultrasonography and the holding position</p> <p>(2) To understand B-mode, M-mode, and Doppler method. 10.</p> <p>10. techniques for endoscopy</p> <p>(1) Understand the purpose and significance of endoscopy</p> <p>(2) Understand how to perform and prepare for endoscopy</p> <p>(3) To understand the methods of cleaning and disinfecting scopes. 11.</p> <p>11. techniques for neurological examination</p> <p>(1) To understand postural responses and spinal reflexes</p>							

<p>(2) Understand examination methods for cranial nerves</p> <p>(3) To understand the evaluation and recording methods of neurological examinations. 12. techniques for ophthalmologic examination</p> <p>(1) To understand the methods and significance of the Schirmer test and fluorescein test</p> <p>(2) To understand the method and significance of intraocular pressure measurement</p> <p>(3) To understand the methods and significance of fundus examination. 13. techniques for skin and ear examination</p> <p>(1) To understand observation and recording methods of skin lesions</p> <p>(2) To understand skin scraping and curettage, stamp examination, coat examination, and skin biopsy</p> <p>(3) Understand the Wood's lamp test and fungal culture methods</p> <p>(4) To understand the methods and significance of examination of the external auditory canal</p>	
Lecture outline	
Students will learn the basic knowledge necessary to assist in internal medicine care and understand the physical examination, blood draws, medications, transfusions, blood transfusions, tests necessary for diagnostic imaging, and recording of findings.	
Lesson plan	Teacher in charge
1 Techniques necessary for maintaining and promoting health and assisting medical treatment: understanding the content and purpose of health examinations, preparation of examination rooms, hygiene control, and how to treat animals by species.	KIKKAWA
2 Skills required for assisting medical treatment: understanding the basics of restraint and physical examination items	TANIGUCHI
3 Techniques required for examination and treatment: understanding of the basics of handling syringes, blood and urine collection	TANIGUCHI
4 Techniques required for examinations and procedures: understanding of puncture, aspiration, catheter insertion, oxygen inhalation, and microchip	KIKKAWA
5 Medication-related skills: understanding of drug handling, administration, and precautions	TANIGUCHI
6 Skills for transfusion: understanding of indications, administration plan and follow-up, and characteristics of various infusion agents	TANIGUCHI
7 Blood transfusion skills: understanding of indications and risks, administration plan and follow-up, cross-matching and blood typing, and techniques and knowledge required for blood transfusion	TANIGUCHI
8 Techniques related to electrocardiogram and blood pressure: understanding of the purpose, technique and significance of the test	KIKKAWA
9 Techniques related to X-ray and CT/MRI: understanding of the purpose, significance, techniques, and protection of X-ray examinations	TANIGUCHI
10 Techniques involved in X-ray examination and CT/MRI: understanding of contrast, fluoroscopy, development methods, CT and MRI	TANIGUCHI
11 Techniques involved in ultrasonography: understanding of the purpose and significance of the examination and modes of measurement	KIKKAWA
12 Skills for neurological examination: understanding of examination content and evaluation and recording methods	KIKKAWA
13 Ophthalmologic examination techniques: understanding of the techniques and significance of examination procedures	KIKKAWA
14 Skin and ear examination techniques: understanding of observation and recording methods, techniques and significance of examination methods	KIKKAWA
15 Techniques for endoscopy: understanding the purpose and significance of the examination and management of equipment	KIKKAWA
Feedback on Assignments (exams, reports, etc.)	
If the assignment is to be returned, comments will be added. If not, a general review will be given. Questions will be answered as needed.	
Course Notes	
Sufficient preparation and review of the lectures are recommended. The order of lectures may change. Please note that you will be notified in advance.	
Contents of Prior and Post-learning (preparation and review)	
Read through the textbook and handouts, and organize your notes to fully understand the class content.	
Evaluation Method (including evaluation criteria)	
The evaluation will be based on a comprehensive evaluation: 60% for regular examinations, 20% for reports or quizzes, and 20% for class participation (attendance and level of effort).	
Textbook	
<i>Textbook of Veterinary Nursing</i> , Second Edition, Revised (by Akiko TANIGUCHI, Farm Press)	
Reference Books, Teaching Materials, etc.	
<i>Textbook for Pet Nurse</i> (Midori Shobo), <i>Animal Nursing Core Text</i> (Farm Press), "Pet Nurse Curriculum Compliant Textbook Series" (Edward Press)	

Course	Practice of Veterinary Medical Nursing II				Practitioner teacher	○	Inst-ructor(s)	FRITZ KIKKAWA Aya TANIGUCHI Akiko MITSUI Kana TOMONO Haruka ARAKAWA Maki
Course Period	2nd year 2nd semester	Required subject 2credits Electives 2 credits	Class format	training	Course Classification	Specialized Education		
Objectives								
<p>1. techniques related to transfusion and blood transfusion</p> <p>1) To master the procedure for placement of indwelling needles and to be able to prepare and assist with the placement of indwelling needles</p> <p>2) To be able to use infusion pumps and syringe pumps.</p> <p>3) To be able to manage animals during transfusion and blood transfusion. 2.</p> <p>2. Techniques related to microchips</p> <p>1) Understand the appropriate insertion site for microchips</p> <p>2) Understand microchip placement procedures</p> <p>3. biopsy</p> <p>1) To be able to perform electrocardiography and record the results</p> <p>2) To be able to perform basic holding for radiography</p> <p>3) Correctly handle equipment for radiation protection</p> <p>4) To perform basic holding for ultrasonography</p> <p>5) Record the findings of neurological examinations</p> <p>6) To be able to assist in ophthalmologic examinations (Schirmer test, fluorescein test, fundus examination, etc.)</p> <p>7) To assist in skin examinations (curettage, stamp examination, coat examination, etc.)</p> <p>8) Assist in the examination of the external auditory canal</p>								
Lecture outline								
Acquire practical skills in the knowledge learned in veterinary internal medicine nursing, including the techniques necessary for internal medicine practice.								
Lesson plan								
<p>1 Nursing of animals with infectious diseases: preparation for isolation room entry, choice of disinfectant</p> <p>2 Techniques related to microchipping, urine collection from urinary catheters</p> <p>3 Techniques related to transfusion and blood transfusion 1) Procedures, preparation and assistance for placement of indwelling needles, spontaneous titration</p> <p>4 Techniques related to infusion and transfusion 2) Use of infusion pumps and syringe pumps 3) Management of animals during transfusion and blood transfusion</p> <p>5 Assist in skin examination (curettage, stamp examination, coat examination, etc.)</p> <p>6 Basic holding for radiography, ultrasonography, electrocardiograms, and ophthalmological examinations.</p> <p>7 Techniques related to radiography 1) Operation of X ray equipment</p> <p>8 Techniques related to radiography 2) Preparation for radiation protection and management or radiation exposure monitoring</p> <p>9 Electrocardiography and recording results: ECG measurement, understanding normal waveforms, management of electrocardiographs</p> <p>10 Techniques related to ultrasonography.</p> <p>11 Recording neurological examination findings (postural responses, spinal reflexes, cranial nerve examination and evaluation recording methods)</p> <p>12 Holding and care of large dogs</p> <p>13 Management and care of hospitalized animals</p> <p>14 Final review</p> <p>15 Practical skills check</p>								
Feedback on assignments (exams, reports, etc.)								
If the assignment is to be returned, comment on it and return it. If not, a comprehensive review will be given.								
Course Notes								
It is advisable to read through the textbook and other relevant materials before participating in the practical training. The order of practical training may be changed, but this will be communicated in advance.								
Contents of prior and post-learning (preparation and review)								
Read through the textbook and other relevant sections and materials, and organize your notes afterward to ensure a thorough understanding of the material.								
Evaluation method (including evaluation criteria)								
Participation in practical training: Attendance and commitment to the content of the practical training (60%), report (10%), and practical and written exam (30%). Comprehensive evaluation								

Textbook

Textbook of Veterinary Nursing, 2nd edition (written by Akiko Taniguchi, Farm Press), handouts for practical training

Reference books, teaching materials, etc.

None

Course	Veterinary Surgical Nursing				Practitioner teacher	○	Inst ructor(s)	KIMURA Yuya
Course Period	3rd year 1st semester	Required subject 2 credits Electives 2 credits	Class format	lecture	Course Classification	Specialized Education		
Objectives								
This course is designed to educate a general introduction to surgery for small animals, particularly dogs and cats. Students will learn systemically about basic knowledge of surgical aspects of pathology and nursing care for the diseases. Procedures for surgical operation including preparation, anesthetic management, intraoperative assistance, postoperative care are also subject to lessen.								
Lecture Outline								
In the course, as an introduction to operation, students will first understand about the purpose and importance of surgery. Hygienic preparations for environment and patients, drugs and monitoring methods for anesthesia, sedation, and analgesia will be learned. Next, With lectures on the classifications of trauma and operation, and surgical instruments and equipment, the students acquire the procedures for intra- and postoperative nursing assistance. Finally, emergency care process is studied.								
Lesson Plan								
<ol style="list-style-type: none"> 1 Introduction 2 Hygiene management (sterilization and disinfection) 3 Preoperative preparation I (hand washing and gown wearing technic) 4 Preoperative preparation II (environment and patients) 5 Anesthesia and analgesia I (drugs and procedures) 6 Anesthesia and analgesia II (monitoring process) 7 Overview of operation I (general surgery) 8 Overview of operation II (orthopedic and dental surgery) 9 Trauma management I (classification and invasion) 10 Trauma management II (healing process and care) 11 Postoperative care 12 Rehabilitation 13 Emergency care I (pathogenesis and triage) 14 Emergency II (basic and advanced life support) 15 Review 								
Feedback on Assignments (exams, reports, etc.)								
To review, supplementary lesson including explanations about an exercise quiz will be provided in the last session.								
Course Notes								
This course is based on functional morphology and pathophysiology of animals, so students are expected to have a good understanding of them. The order of the lectures may change according to the progress of the practical class.								
Contents of Prior and Post-learning (preparation and review)								
Prior-learning: Students should check the contents of the next lesson that an instructor announced. Post-learning: The exercise quiz should be completed, and any unclear points should be attempted to resolve.								
Evaluation Method (including evaluation criteria)								
Examination (80%) and attitude toward class (20%)								
Textbook								
愛玩動物看護師カリキュラム準拠教科書シリーズ 8 巻(動物栄養学/動物外科看護学/動物医療コミュニケーション)、Ed: ISHIOKA Katsumi, SANO Tadashi, EDUWARD Press, Tokyo								
Reference Books, Teaching Materials, etc.								
Reference books and other materials will be presented in class as necessary.								

Course	Practice of Veterinary Surgical Nursing				Practitioner teacher	○	Inst-ructor(s)	KIMURA Yuya SUZUKI Tomoko TOMONO Haruka
Course Period	3rd year 1st semester	Required subject 2 credits Electives 2 credits	Class format	training	Course Classification	Specialized Education		
Objectives								
This course is designed to enable students to acquire practical skills in the surgical diagnosis and treatment of small animals, especially in the techniques of instruments, equipment, disinfection and sterilization. In addition, students will acquire knowledge and nursing skills in anesthesia, sedation, and analgesia from preoperative to postoperative management. Furthermore, the students will learn preparation and techniques for cardiopulmonary resuscitation to deal with emergency situations.								
Lecture Outline								
Practical training will enable students to acquire practical skills in surgical diagnosis and fundamentals of dogs and cats, especially regarding instruments, equipment, disinfection, sterilization, preoperative and postoperative management, anesthesia, sedation, and analgesia. Hands-on training will be given on preoperative preparation for surgical operations, postoperative care, radiation protection and practice, special radiation and ultrasound equipment, endoscopic equipment, autopsy, emergency medical, special surgical diseases, and hospital reception work, and care of hospitalized animals. Practicing preoperative preparation for surgical procedures, handling of surgical instruments, bandaging techniques, preparation of infusion devices, and small animal dentistry.								
Lesson Plan								
<ol style="list-style-type: none"> 1 Orientation 2 Preoperative preparation 1 (surgical hand washing and disinfection, preparation of surgical drapes) 3 Preoperative preparation 2 (preparation of surgical gown) 4 Preoperative preparation 3 (method of wearing surgical cap, mask, gown and gloves) 5 Preoperative preparation 4 (disinfection of surgical environment and instruments) 6 Intraoperative preparation 1 (anesthetics management and assistance for surgical procedures) 7 Intraoperative preparation 2 (tracheal intubation) 8 Medical equipment management (monitoring device, electrocautery, endoscopy, ultrasound equipment, etc.) 9 Small animal dentistry (charting, dental instruments) 10 Radiation protection and practice (patient positioning for radiography, evaluation) 11 Postoperative care 1 (dressing and bandaging) 12 Postoperative care 2 (orthopedics, rehabilitation) 13 Emergency medicine (cardiopulmonary resuscitation) 14 Review 15 Summative assessment 								
Feedback on Assignments (exams, reports, etc.)								
Explanations will be given after mini-exams. Return comments on reports.								
Course Notes								
Attention to clothes and safe-hygienic behavior is required. Be aware of information for the course.								
Contents of Prior and Post-learning (preparation and review)								
<p>Prior learning: Read the pages of the textbook related to the contents of each class session.</p> <p>Post-lesson study: Review the contents of the training materials and practical skills after each class.</p> <p>The order of the lesson may change according to the progress of the lecture.</p>								
Evaluation Method (including evaluation criteria)								
Comprehensive evaluation based on class participation and assignment report (60%), practical test (20%), and written test (in the lesson; 20%).								
Textbook								
愛玩動物看護師カリキュラム準拠教科書シリーズ 8 巻(動物栄養学/動物外科看護学/動物医療コミュニケーション)、Ed: ISHIOKA Katsumi, SANO Tadashi, EDUWARD Press, Tokyo								
Reference Books, Teaching Materials, etc.								
Reference books and other materials will be presented in class as necessary.								

Course	Veterinary Laboratory Medicine				Practitioner teacher	○	Inst-ructor(s)	SUZUKI Mitsuyuki MIYAI Sayaka
Course Period	2nd year 1st semester	Required subjects 2 credits Electives 2 credits	Class format	Lecture	Course Classification	Specialized Education		
Objectives								
<p>The following clinical significance and purpose of veterinary clinical examination can be understood in this lecture. Basics of veterinary clinical examination: The role of veterinary nurses in veterinary clinical examination; reference value, sensitivity, specificity, quality control; sampling methods of blood urine, feces, mucus, swab, skin tissues. Hematological examination: Serum or plasma separation; CBC method; blood smear preparation and observation methods; hematocrit test; coagulation and fibrinolysis tests; clinical chemistry test; blood gas test; immunological tests.</p> <p>Urinalysis: Morphological test; urinary sediment.</p> <p>Stool examination: Detection of parasite eggs and protozoans; observation method of bacteria.</p> <p>Cytopathological and histopathological examination: Significance and methods; specimen handling method.</p> <p>Genetic examination: Purpose and significance; application examples; collection method and processing</p>								
Lecture Outline								
<p>In veterinary clinics, a variety of tests are performed to diagnose and treat animal diseases. Recently, an increasing number of pet owners are also requesting health examinations for their animals to prevent diseases associated with aging and stress. In this lecture, the testing principles, how to read and think about test data, will be explained, and make students realize the importance of animal clinical testing.</p>								
Lesson Plan								Teacher in charge
1 Advances of veterinary clinical examination: Utilization of online, robots and AI								SUZUKI
2 Blood separation and composition: Serum & plasma								SUZUKI
3 Blood cell: RBC, WBC, platelet								SUZUKI
4 Biochemical examination: Proteins								SUZUKI
5 Biochemical examination: Blood sugar, enzyme								SUZUKI
6 Coagulation / fibrinolysis test: PT, APTT, FDP								SUZUKI
7 Blood type, blood transfusion test: Crossmatch test								SUZUKI
8 Biochemical urinalysis: Albumin, Hb								MIYAI
9 Morphological urinalysis: urinary sediment								MIYAI
10 Fecal examination: Direct smearing method, egg collection method								MIYAI
11 Microbiological examination: Bacteria								MIYAI
12 Microbiological examination: Fungi, viruses								MIYAI
13 Cytopathology & Histopathological examination: Specimen handling, staining method								MIYAI
14 Skin and ear wax examination								MIYAI
15 Summary: Genetic test, blood gas test								MIYAI
Feedback on Assignments (exams, reports, etc.)								
<p>Each time, a quiz will be given on the content of the previous class, and each student will grade the answers to self-evaluate their level of achievement. The answer sheet for the quiz will be collected on the day, and the overall level of achievement will be announced next time.</p>								
Course Notes								
<p>Students should have a good understanding of essential subjects such as animal physiology and biochemistry.</p>								
Contents of Prior and Post-learning (preparation and review)								
<p>Read the reference books related to the contents of each class in advance.</p>								
Evaluation Method (including evaluation criteria)								
<p>Students will be evaluated comprehensively based on exams, and class participation (including quizzes). The ration will be 80% for examinations or reports and 20% for class participation (including quizzes).</p>								
Textbook								
愛玩動物看護師のための動物臨床検査ハンドブック (株式会社ファームプレス) および配布プリント								
Reference Books, Teaching Materials, etc.								
<ul style="list-style-type: none"> ・動物看護学教育標準カリキュラム準拠「動物臨床検査」、インターズー ・臨床検査学講座 (血液検査学、臨床化学検査学、免疫検査学、微生物学/臨床微生物学、臨床検査総論)、医歯薬出版 								

Course	Practice of Veterinary Laboratory Medicine				Practitioner teacher	○	Inst ructor(s)	SUZUKI Mitsuyuki MIYAI Sayaka
Course Period	2nd year 1st semester	Required subjects 2 credits Electives 2 credits	Class format	training	Course Classification	Specialized Education		
Objectives								
While understanding the clinical significance, the following animal clinical tests can be performed: Sample collection and processing; operation of micropipettes and centrifuges; separation of plasma and serum; preparation of blood smear and staining; calculation of the percentage of leukocytes by observing the blood smear; blood cell count and clinical chemistry tests; simple serological test; urinalysis like as confirmation of physicochemical properties of urine; observation and classification of urinary sediment; detection of parasite eggs and protozoans; preparation and assistance for cytopathology.								
Lecture Outline								
Hands-on training will be given on how to collect and preserve various materials such as blood, urine, feces, bone marrow, skin, ear wax, vaginal wax, reservoir fluid, etc., how to prepare samples, how to test them, and students will be able to study the clinical significance of the test results comparing with reference values.								
Lesson Plan								
<ol style="list-style-type: none"> 1 Handling and operation of animal clinical laboratory equipment and instruments 2 Morphological examination of blood: Preparation of smear and staining 3 Morphological examination of blood: Observation and classification of blood cell 4 Morphological examination: Calculation of blood cell count by calculation board 5 Plasma / serum separation and hemoglobin concentration test 6 Protein concentration and lipid concentration test 7 Protein and lipoprotein fractionation 8 Morphological examination in urine and feces 9 Biochemical examination in urine and feces 10 Skin and ear wax examination 11 Chromosome test and DNA extraction 12 Electrophoresis of DNA, Immunological tests: Preparation of gel plate 13 Immunological tests: Double diffusion method and ELISA method 14 Immunological tests: Blood typing and crossmatch test 15 CBC and biochemical tests in clinical practice 								
Feedback on Assignments (exams, reports, etc.)								
As feedback, assignment reports will be given each time to check for completion and will be collected at the end of the unit and checked by the person in charge of the practical training.								
Course Notes								
The clinical significance and techniques of each test should be confirmed in advance before the practical training.								
Contents of Prior and Post-learning (preparation and review)								
Read and understand the procedures in the lab manual in advance of each session. Each time, a report related to the practical training will be assigned, which is to be completed and submitted the following week.								
Evaluation Method (including evaluation criteria)								
Attendance at the practical training is required in principle, and the overall evaluation will be based on the degree of participation in the practical training report (25%), the completeness of the training task (50%), and the written examination (25%).								
Textbook								
Handbook of Veterinary Clinical Examinations for Pet Nurse Practitioners (Farm Press Co., Ltd.) and handout								
Reference Books, Teaching Materials, etc.								
<ul style="list-style-type: none"> ・動物看護学教育標準カリキュラム準拠「動物臨床検査」、インターズー ・臨床検査学講座（血液検査学、臨床化学検査学、免疫検査学、微生物学/臨床微生物学、臨床検査総論）、医歯薬出版 								

Course	Zoonosis				Practitioner teacher	○	Inst- ructor(s)	YAMADA Fumiya
Course Period	3rd year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education		
Objectives								
<p>Zoonoses are thought to have existed as long as human history, especially in recent years as our relationship with industrial animals, companion animals, and wild animals have deepened, and with it, the opportunities to come into contact with pathogens carried by animals have also increased. The course aims to provide students with an understanding of the etiology, epidemiology, diagnosis, treatment, and prevention of each of these infectious diseases, and to deepen their understanding so that they can cope with outbreaks.</p>								
Lecture outline								
<p>In the general review, the definition, types, and epidemiology of human-animal infectious diseases will be studied, as well as emerging and re-emerging infectious diseases that are becoming a concern due to environmental changes and globalization. In each topic, the course will cover etiology, modes of infection, epidemiology, diagnosis, treatment, and prevention of human-animal infectious diseases caused by viruses, rickettsia, bacteria, fungi, parasites (protozoa, helminths, and helminths), and prions. The lecture will also cover the symptoms and prevention of human as well as animal infections from a medical point of view.</p>								
Lesson plan								
<p>1 General introductionI: definitions, types and emerging and re-emerging infectious diseases common to humans and animals 2 General introductionII : Emerging and re-emerging Infectious Disease 3 VirusesI: rabies (video), hantavirus infection, B virus infection, etc. 4 VirusesII: Japanese encephalitis, yellow fever, zoonotic influenza, West Nile fever, etc. 5 VirusesIII: Ebola hemorrhagic fever (video), Hepatitis E virus, etc. 6 Viruses:IV Marburg disease, Lassa fever, SARS, MERS, prion disease, etc. 7 BacterialI: anthrax, plague, tuberculosis, Pasteurellosis, salmonellosis, etc. 8 BacterialII: Campylobacteriosis, Swine erysipelas, etc. 9 BacterialIII: rat-bite disease, hare disease, brucellosis, etc. 10 BacterialIV: Leptospirosis, Lyme disease, etc. 11 Protozoan disease: toxoplasmosis, trypanosomiasis, leishmaniasis, etc. 12 Parasites disease: nematodes, flukes, etc. 13 Hygienic animals transmitting human-animal infectious diseases: mosquitoes, fleas, ticks, etc. 14 Control of infectious diseases to humans and animals I: quarantine measures, types of vaccines (side effects), etc. 15 Control of infectious diseases common to humans and animals II: Disinfection and other response measures</p>								
Feedback on assignments (exams, reports, etc.)								
In principle, examination answer sheets will not be returned but will be made available for questions.								
Course Notes								
Parasitology and microbiology should be taken for easier understanding.								
Contents of Prior and Post-learning (preparation and review)								
Materials related to the class (handouts, etc.) will be provided prior to the lecture. Be sure to take notes using the materials and textbook when reviewing.								
Evaluation Method (including evaluation criteria)								
Evaluation will be based on class participation (20%) and final exam (80%).								
Textbook								
Aimal Nurse Curriculum Compliant Textbook Series, Vol. 5 and Vol. 3 (Eduward Press) Distribute materials when necessary.								
Reference Books, Teaching Materials, etc.								
<i>Zoonosis</i> by Kamiyama, JINJIN SHOKAN Okabe, B. <i>A book to protect yourself from infectious diseases</i> KAWADE Yume Shinsho								

Course	Public Health				Practitioner teacher	○	Inst-ructor(s)	YAMADA Fumiya
Course Period	2nd year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education		
Objectives								
<p>1. Overview of public health: To understand 1) the purpose of public health, 2) the public health administration, 3) the trends in public health, 4) the relationship between One Health and veterinary medicine.</p> <p>2. Epidemiology and disease prevention: To understand 1) the formation of infection, 2) the causes of disease and health problems, 3) the methods of epidemiological investigation, 4) preventive epidemiology, 5) zoonosis and its control, 6) rabies prevention.</p> <p>3. Environmental hygiene: To understand 1) the history, background and current problems of environmental hygiene, 2) the health hazards caused by chemical substances, 3) the contamination and damage caused by radiation, 4) the damage caused to humans and animals by sanitary animals and the measures to be taken, 5) the health hazards to humans caused by animal bites, 6) the handling of waste materials.</p> <p>4. Food hygiene: To understand 1) about food hygiene and food poisoning, 2) the hygiene of animal products, 3) understand food hygiene management methods (e.g. HACCP).</p>								
Lecture Outline								
Learn about environmental and food hygiene, epidemiology and zoonosis and understand their application to the maintenance and promotion of human health and disease prevention.								
Lesson Plan								
<ol style="list-style-type: none"> 1 Introduction to public health (Public health objectives, health concepts, disease prevention) 2 Trends in National Health (Vital Statistics, Population Statistics, Population Indicators) 3 Epidemiology and disease prevention I (Measuring disease frequencies) 4 Epidemiology and disease prevention II (Study design of epidemiology, observation or intervention studies.) 5 Epidemiology and disease prevention III (Proof of causation, odds ratios, relative risk and attribute risk) 6 Food hygiene I (Bacterial food poisoning) 7 Food hygiene II (Viral food poisoning, protozoan and parasitic food poisoning) 8 Food hygiene III (food poisoning by natural poisons and chemicals) 9 Food hygiene IV (Food protection and HACCP, food allergy control) 10 Food hygiene V (Food additives and ingredients) 11 Environmental Health I (Familiar environmental issues, pollution and health hazards) 12 Environmental Health II (Water and sewage sanitation and waste issues) 13 Environmental Health III (Global environmental issues and Material cycles) 14 Environmental Health IV (Global environmental issues and the SDGs) 15 Recent trends and issues in public health 								
Feedback on Assignments (exams, reports, etc.)								
Summarize the scoring and communicate the problem.								
Course Notes								
Write down the points and notes of the lecture by hand in a notebook.								
Contents of Prior and Post-learning (preparation and review)								
Students are expected to prepare an outline of the content using keywords before the lecture and organize the points.								
Evaluation Method (including evaluation criteria)								
Evaluation will be based on final examinations 80% and class participation 20%.								
Textbook								
Animal Nuse Curriculum Compliant Textbook Series. Vol. 5 (Eduward Press)								
Reference Books, Teaching Materials, etc.								
神山著 これだけは知っておきたい人獣共通感染 地人書館 岡部著 感染症から身を守る本 KAWADE 夢新書								

Course	Veterinary Infectious Diseases I				Practitioner teacher	Inst-ructor(s) UCHIDA Akihiko
Course Period	2nd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education
Objectives						
Parasite classification and characteristics The classification, morphology, life cycle, pathogenicity, the testing, diagnostic methods and how to use anthelmintics and pesticides for parasitic diseases of protozoans, helminths and sanitary animals.						
Lecture Outline						
Learn about parasite classification, biological characteristics, transmission patterns and pathogenic mechanisms, and understand the basics of infectious disease control such as testing and diagnosis, hygiene management, and prevention / treatment methods.						
Lesson Plan						
1 General (1) (A parasite is a relationship between a parasite and a host, and the life cycle of the parasite)						
2 General (2) (parasite transmission route, locality and disease action and immunity)						
3 Overview of protozoans						
4 Protozoans (Trypanosoma, Toxoplasma, Giardia, Amoeba, Trichomonas, etc.)						
5 Overview of helminths						
6 Trematoda (review, liver flukes, lung flukes, schistosomiasis, etc.)						
7 Cestoda (review, Taenia, Echinococcus, Diphyllbothrium)						
8 Nematoda (review, roundworms, whipworms, hookworms, filaria, etc.)						
9 Parasites of dogs and cats (Babesia, roundworm of dog cat, dipylidium caninum, heartworm, etc.)						
10 Parasites of pets such as rabbits and exotic animals						
11 Zoonosis (cryptosporidium, amebiasis, larva migrans, tapeworms, scabies, etc.)						
12 Sanitary animals (mosquitoes, flies, fleas, lice, etc.)						
13 Sanitary animals (mites, mice)						
14 Diagnosis of parasitosis						
15 Epidemiology and control of parasitosis						
Feedback on Assignments (exams, reports, etc.)						
In principle, the answer sheet for the exam will not be returned, but questions will be answered. The report will be treated in the same way as the answer sheet, but will be returned as needed.						
Course Notes						
Since there are basic contents, it is easier to understand the lecture if you study biology, biochemistry, immunology,						
Contents of Prior and Post-learning (preparation and review)						
Since the content of the lecture on the day is shown on the syllabus, be sure to prepare for the lesson and make a note of the review after the lecture.						
Evaluation Method (including evaluation criteria)						
Evaluation based on participation in class (30%) and grades on regular exams at the end of the semester (70%).						
Textbook						
Japan Animal Health and Nursing University Association Curriculum Committee, Supervised by Fumiko Ono, Animal Infectious Sciences, Interzoo						
Reference Books, Teaching Materials, etc.						
Akihiko Uchida / Ken Huang Hong Illustrated Veterinary Parasitology Revised 3rd Edition (CD-ROM for Mac / Win) Medica Gloves						

Course	Small Animal Nutrition				Practitioner teacher	Inst ructor(s)	MATSUI Shosaku ARAKAWA Maki
Course Period	2nd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>1. Basic nutrition</p> <p>1) To understand the five nutrients (carbohydrates, proteins, fats, vitamins, and minerals)</p> <p>2) To understand the nutritional requirements' differences between dogs and cats (essential amino acids, essential fatty acids, etc.)</p> <p>3) To understand eating habits, tastes/palatability, preferences, and eating behavior.</p> <p>4) To understand the importance of nutrition in maintaining health.</p> <p>5) To understand health issues caused by nutrients' deficiencies and excesses.</p> <p>2. Nutrient requirements</p> <p>1) Understand the meaning of energy requirements (RER, MER, etc.) and how to calculate them.</p> <p>2) To understand the nutrition standards (AAFCO, NRC, etc.)</p> <p>3) To understand the nutritional management for each life stage (growth, maintenance, pregnancy, lactation, and old age)</p> <p>3. Commercial pet foods and nutritional guidance</p> <p>1) To understand the types and classifications of pet foods</p> <p>2) To understand the labeling regulations of pet foods and be able to explain it to pet owners.</p> <p>3) To be able to explain pet owners about food poisoning, and foods should be avoided.</p> <p>4) To understand methods for assessing nutritional status (BCS, body mass index, MCS, etc.)</p> <p>5) To understand the health issues caused by obesity, and how to create a weight loss program</p> <p>4. Diseases and nutrition</p> <p>1) To understand dietary management for various diseases.</p> <p>2) Understand the characteristics and efficacy of therapeutic diets and explain them to pet owners.</p> <p>5. Force-feeding and tube/intravenous feeding</p> <p>1) To understand the methods and important points to be noted for force-feeding.</p> <p>2) To understand the types of tube feeding (nasal, esophageal, gastrostomy tube, etc.), their characteristics and methods.</p> <p>3) Understand the types of intravenous nutrition (TPN, PPN), their characteristics, and methods.</p> <p>4) Understand the procedures for placing tubes and catheters and the important points to be noted in their management</p>							
Lecture Outline							
In addition to learning basic nutrition such as the five nutrients (carbohydrates, fats, proteins, vitamins and minerals) and their metabolism, students will learn the differences in dietary management for each life stage and disease, and the characteristics and feeding methods of various commercially available therapeutic diets.							
Lesson Plan							
<p>1 General introduction (history of food for dogs and cats, importance of nutrition in maintaining health)</p> <p>2 Nutrients and their functions: carbohydrates (sugars and dietary fiber)</p> <p>3 Nutrients and their functions: fat and fatty acids, functional lipids</p> <p>4 Nutrients and their functions: proteins and amino acids,</p> <p>5 Nutrients and their functions: fat-soluble vitamins and water-soluble vitamins, differences in requirement between species</p> <p>6 Nutrients and their functions; minerals</p> <p>7 Dietary habits and eating behaviors, tastes/palatability and preferences of cats and dogs</p> <p>8 Energy requirements of dogs and cats, calculation of feeding amounts, methods of assessing nutritional status, water and its requirements</p> <p>9 Adverse effects of over-weight, obesity-related disorders, plan weight reduction program</p> <p>10 Life stage and nutrition; reproduction (pregnant and nursing), growth, maintenance and elderly dogs and cats.</p> <p>11 Nutritional guidance and pet food; category and variety of pet foods, regulations about labels of pet foods and standard of each nutrient.</p> <p>12 Nutritional guidance and pet food; safety assurance and foods should not be fed to dogs and cats, food poisoning and adverse reaction to foods.</p> <p>13 Disease and nutrition; therapeutic food</p> <p>14 Force-feeding; Feeding methods to animals with anorexia, differences between simple starvation and starvation with stress</p> <p>15 Enteral feeding and per-enteral feeding or intravenous feeding, re-feeding syndrome</p>							

Feedback on Assignments (exams, reports, etc.)
This course will have a test at the regular examination timing. Feedbacks to students will be performed directly by reporting the results of the exam. If some students fail to achieve the prescribed grade, they will be requested to take test again to reach the grade, and/or make a report about a certain subject.
Course Notes
Since nutrition science is based on biochemistry, it is more preferable to take “animal biochemistry” to understand nutrition though, this course can provide students with sufficient information about the subject.
Contents of Prior and Post-learning (preparation and review)
Students should read textbook before and after each class. Prior study: Read the textbook carefully in advance and confirm its contents. After class: Read the textbook again and ask questions if you have any. In some cases, a quiz will be given.
Evaluation Method (including evaluation criteria)
The overall evaluation will be based on exams (70%) and class participation including quizzes (30%). When online classes are mixed in, the percentage will be determined and evaluated by taking into account the attendance and performance on the quiz in addition to the classroom exam.
Textbook
日本動物保健看護系大学協会カリキュラム委員会. 2022. 愛玩動物看護師カリキュラム準拠教科書 8 巻 動物栄養学/動物外科看護学/動物医療コミュニケーション. エデュワードプレス. 9784866711621
Reference Books, Teaching Materials, etc.
阿部又信・大島誠之助. 2019. ベーシック 小動物栄養学. ファームプレス. 9784863821057 動物看護コアテキスト編集委員会. 2022. 動物看護コアテキスト第3版. 第2巻 基礎動物学 II. ファームプレス 9784863821224 日本ペット栄養学会. 2020. ペット栄養管理学テキストブック. アドスリー. 9784904419526

Course	Theories of Pet Loss and Bereavement				Practitioner teacher	Inst-ructor(s)	NIIJIMA Noriko
Course Period	4th year 1st semester	Electives 2credits Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
In this lecture, students will learn various knowledge about pet loss (loss of pets and grief caused by the loss of pets) from the perspective of sociology and thanatology, etc., with the aim of becoming understanding supporters in the field of veterinary nursing.							
Lecture Outline							
The purpose of this course is encouraging students to provide an appropriate pet loss support to clients (pet owners) in their respective fields after graduation. After an overview of the definition of pet loss, social backgrounds, grief reactions, and recovery process, students will learn factors to affect pet loss, such as the relationship between pet owners and their pets before and after the loss of their pets, the diversity of grief, and the relationship with others around them. By discussing the latest related research, students are expected to deepen knowledge of prevention and of coping with pet loss.							
Lesson Plan							
<ol style="list-style-type: none"> 1 What is pet loss theory? 2 Basic knowledge of pet loss I: Definition of pet loss, human-animal bond, what is an attachment 3 Basic Knowledge of Pet Loss II: Mental and Physical Changes (Normal Grief Reactions) 4 Basic Knowledge of Pet Loss III: The Process of Recovery 5 Basic Knowledge of Pet Loss IV: Background Factors of Pet Loss 6 Basic Knowledge of Pet Loss V: Preventive Measures and Coping Strategies for Pet Loss 7 Relationships between pets and their owners I: Introduction to Previous Research, etc. 8 Relationships between pets and their owners II: Current issues, etc. 9 Loss of pets I: Introduction to Previous Research, etc. 10 Pet Loss II: Current Issues, etc. 11 Factors Affecting Pet Loss I: Introduction to Previous Research, etc. 12 Factors Affecting Pet Loss II: Current Issues, etc. 13 Coping with the Loss of a Pet I: Introduction to Previous Research, etc. 14 Coping with the Loss of a Pet II: Current Issues, etc. 15 Summary of Pet Loss Theory 							
Feedback on Assignments (exams, reports, etc.)							
As feedback for assignments, examples of solutions will be shared and explained.							
Course Notes							
The content and order of each lesson may vary. Students are recommended to check Moodle often. An off-campus seminar at the animal cemetery in Tokyo is planned (Travel expenses to be paid by the individual).							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning "Reflect on your personal experiences related to the content of each class session. Post-lesson study: "Deepen and consolidate the topics covered in class by reading and searching the web.</p>							
Evaluation Method (including evaluation criteria)							
Grading breakdown: Attendance and class performance 35%, assignments 25% and final exam 40%.							
Textbook							
Related books and references will be introduced in the lecture. Handouts will be distributed either in classroom or on Moodle when necessary.							
Reference Books, Teaching Materials, etc.							
<p><i>The Human-Animal Bond and Grief</i>, W.B.Saunders Company.=2000. Translated by 鷺巣月美、山崎恵子 『ペットロスと獣医療』 チクサン出版社.</p> <p>Stewart, Mary F. 1999. Companion Animal Death: A Practical and Comprehensive Guide for Veterinary Practice, Butterworth Heinemann.=2000. Translated by 永田正 『コンパニオンアニマルの死: 獣医療のための実際の包括的ガイド』 学窓社.</p>							

Course	Guidance Theory of Animal Welfare and Proper Care				Practitioner teacher	○	Inst-uctor(s)	HORII Takayuki MATSUI Shosaku
Course Period	1st year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education		
Objectives								
<p>1. Care and keeping of companion animals. To understand 1) the purpose and concept of proper care and keeping of companion animals, 2) the current state of companion animal keeping, 3) the effects and problems that humans are affected by companion animal keeping, 4) the needs and purposes of companion animal keeping, the outline of grief care and pet loss, the feelings of the owner, and the necessary support.</p> <p>2. Promotion of proper care and keeping of companion animals. To understand 1) the purpose and activities of support for proper care and keeping (including those by private organizations), 2) the proper care and keeping at animal handling business, 3) the problem of uncontrolled breeding of companion animals and how to deal with it, 4) the matters and methods that should be instructed to the owner as an proper care and keeping method to prevent problem behaviors.</p> <p>3. Disaster risk management and support for companion animals. To understand (and explain) 1) the importance of evacuation with companion animals in the event of a disaster, 2) the disaster preparedness of companion animals and their owners, 3) the outline of veterinary disaster medicine and the role of veterinary nurses in the event of a disaster.</p> <p>4. Animal welfare and management administration. To understand 1) the role of veterinary nurses in public health work as the basis for owner guidance, 2) the role and implementation of “Be Kind to Animals Week”, 3) the status of picking up and disposing of dogs and cats and injured animals, 4) the details and reporting status of accidents by animals, 5) the activities of the animal welfare and management center and the role of animal welfare promoters and councils, 6) the conditions and roles for the person responsible for animal handling.</p>								
Lecture Outline								
After understanding the benefits and purposes of keeping companion animals, understand the promotion activities for proper care and keeping, risk management in the event of a disaster, and the mechanism of animal welfare and management administration.								
Lesson Plan							Teacher in charge	
1 Proper care and keeping of companion animal, and the current state							HORII	
2 The effects of companion animal keeping on humans (benefit and problems)							HORII	
3 The needs of companion animal keeping, and support to the owner (including grief care and pet loss)							HORII	
4 Promotion of proper care and keeping of companion animals							HORII	
5 The proper care and keeping at animal handling business (including the problem of uncontrolled breeding)							HORII	
6 The proper care and keeping of various animals 1: dogs, cats, and others							HORII	
7 The proper care and keeping of various animals 2: dogs, cats, and others							HORII	
8 The proper care and keeping of various animals 3: dogs, cats, and others							HORII	
9 The proper care and keeping of ponies							HORII	
10 Evacuation with companion animals and the disaster preparedness							MATSUI	
11 Veterinary disaster medicine and the role of veterinary nurses							MATSUI	
12 Animal welfare and management administration 1: public health work and “Be Kind to Animals Week”							MATSUI	
13 Animal welfare and management administration 2: the current state of picking up, disposing and accidents							MATSUI	
14 Animal welfare and management administration 3: the role of center, promoter and council							MATSUI	
15 Animal welfare and management administration 4: application procedure for animal handling business							MATSUI	
Feedback on Assignments (exams, reports, etc.)								
I will accept questions about the assignment by email or orally at any time. After that, individual questions are feedback individually, and overall questions are feedback to the whole.								
Course Notes								
Check your Moodle and email for class announcements and materials distributed via Moodle.								
Contents of Prior and Post-learning (preparation and review)								
Students are expected to read the contents of the textbook related to each class in advance. After the class, students are expected to summarize the contents based on the textbook and handouts.								
Evaluation Method (including evaluation criteria)								
Overall evaluation based on regular exam (70%) and class participation (30%).								

Textbook

『愛玩動物看護師カリキュラム準拠教科書 10 巻 適正飼養指導論/動物生活環境学/ペット関連産業概論』一般社団法人 日本動物保健看護系大学協会 カリキュラム委員会 編 エデュワードプレス

Reference Books, Teaching Materials, etc.

Information will be introduced as needed.

Course	Practice of Animal Welfare and Proper Care				Practitioner teacher	○	Inst- ructor(s)	HORII Takayuki MATSUI Shosaku AOYAMA Masashi HOSONO Shigeyuki
Course Period	2nd year All year	Required subject 2 credits	Class format	training	Course Classification	Specialized Education		
Objectives								
<p>1. Basic handling of animals. To learn 1) safe handling according to the animal species, 2) safely walk and exercise the animals, 3) choose the proper tools for dog's walk, exercise and communication (collars, harnesses, leads, toys, etc.), 4) perform basic grooming (bathing, brushing, ear cleaning, nail clipping, anal sac treatment, oral hygiene, etc.), 5) proper maintenance of animal keeping environment.</p> <p>2. Communication with the owner of animals. Can explain and teach 1) the characteristics of dogs and cats according to their breed, 2) proper care and keeping of animals (including keeping environment, methods of walking, basic training, etc.), 3) what the owner should comply with in accordance with the law, 4) support for the owner who have difficulty proper care and keeping of animals, 5) support for the owner in the event of a disaster.</p> <p>3. Animal welfare and management administration. To understand 1) the activities of the animal welfare and management center (including a tour of the center), 2) what should be instructed for the animal handling business, 3) the dealing with customers in the animal handling business.</p>								
Lecture Outline								
In this training, you will acquire the practical skills of the knowledge learned in the subjects related to kindness, welfare and proper care for animals, such as basic handling of animal care and keeping and communication with the owner.								
Lesson Plan							Teacher in charge	
1	Orientation, handling of various animals 1: selection of the proper tools for use with dogs						HORII, MATSUI, AOYAMA	
2	Handling of various animals 2: dogs						HORII	
3	Handling of various animals 3: cats, rabbits						HORII	
4	Handling of various animals 4: companion birds						AOYAMA	
5	Basic grooming						HORII	
6	Maintenance of keeping environment of various animals 1: dogs, cats						HORII	
7	Maintenance of keeping environment of various animals 2: companion birds						AOYAMA	
8	Maintenance of keeping environment of various animals 3: experience in the proper care and keeping						AOYAMA	
9	Handling and maintenance of keeping environment of ponies 1						HOSONO	
10	Handling and maintenance of keeping environment of ponies 2						HOSONO	
11	Explanation to owners who start to keeping animals						MATSUI	
12	Support for the owner who have difficulty proper care and keeping of animals						MATSUI	
13	Support for the owner in the event of a disaster						MATSUI	
14	Tour of the animal welfare and management center						HORII, MATSUI, AOYAMA	
15	Instruction for the animal handling business						MATSUI	
Feedback on Assignments (exams, reports, etc.)								
I will accept questions about the assignment by email or orally at any time. After that, individual questions are feedback individually, and overall questions are feedback to the whole.								
Course Notes								
It is often the case that the training is divided into groups. Therefore, the detailed schedule will be announced separately. Check your Moodle and email for class announcements and materials distributed via Moodle. Get dressed properly for handling of animals.								
Contents of Prior and Post-learning (preparation and review)								
Check what you have learned in the Guidance Theory for Proper Care and Keeping of Animals related to each lesson. Also, after class, record and summarize what you experienced.								
Evaluation Method (including evaluation criteria)								
Overall evaluation based on practical skills and assignments (60%) and class participation (40%).								
Textbook								
None in particular. Handouts will be distributed as needed.								
Reference Books, Teaching Materials, etc.								
『愛玩動物看護師カリキュラム準拠 動物看護実習テキスト 第3版』 愛玩動物看護師養成専修学校教科書作成委員会 編 エデュワードプレス Other information will be introduced as needed.								

Course	Study of Companion Animal Care(Grooming)				Practitioner teacher	Inst-ructor(s)	FUKUYAMA Takaaki ARAKAWA Maki TSUCHIYA Emi MOTEGI Ayana
Course Period	1st year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
The goal is to acquire the specialized knowledge necessary to carry out grooming care for companion animals.							
Lecture Outline							
The acquired content is limited to basic knowledge in the grooming field, and knowledge such as animal handling necessary for risk management, technical terms and equipment knowledge used in the grooming care field, and morphological characteristics of animals to be cared for is targeted for acquisition. Will be. Proper breeding and care of cats requires correct knowledge and understanding. Explains basic knowledge and grooming care such as physical characteristics such as cat skin coat, physiology, habits, and ethology.							
Lesson Plan						Teacher in charge	
1 Purpose and effect of grooming						FUKUYAMA · TSUCHIYA · MOTEGI	
2 Dog body name for grooming (front body)						FUKUYAMA	
3 Dog body name required for grooming (middle body)						FUKUYAMA	
4 Dog body name (posterior body) required for grooming						FUKUYAMA	
5 Cat Breeds and Coat Types						ARAKAWA	
6 Feline Body Mechanisms and Behavior						ARAKAWA	
7 Feline husbandry and grooming care						ARAKAWA	
8 Grooming equipment						TSUCHIYA · MOTEGI	
9 The relevance of the breed standard and grooming						TSUCHIYA · MOTEGI	
10 Basics of Canine Skin and Coat						FUKUYAMA	
11 Canine Skin Infections						FUKUYAMA	
12 Canine Atopic Dermatitis and Food Allergy						FUKUYAMA	
13 Canine skin microbiome and intestinal flora						TSUCHIYA · MOTEGI	
14 Canine Skin Care and Shampoo Therapy						FUKUYAMA	
15 Canine Handling						FUKUYAMA	
Feedback on Assignments (exams, reports, etc.)							
The assignments will be explained and critiqued as necessary.							
Course Notes							
I will instruct you because your belongings will change depending on the content of the class. (announced in class and on the bulletin board).							
Contents of Prior and Post-learning (preparation and review)							
Prior study "Read the textbook and handouts related to the content of each class session. After class "Review of class content after each class (90 minutes)							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on assignments (exams and reports) 75%, class participation 25%.							
Textbook							
『犬の解剖カラーリングアトラス』学窓社 『全犬種標準書』ジャパンケネルクラブ 『THE COMPLETE DOG GROOMING BASIC TECHNIAL MANUAL』 (MAIN Vol)(SEPARATE Vol) (DVD) 教育サポートセンター							
Reference Books, Teaching Materials, etc.							
I will instruct you in the class..							

Course	Practice of Companion Animal Care (Basic Grooming)				Practitioner teacher	Inst-ructor(s)	FUKUYAMA Takaaki ARAKAWA Maki TSUCHIYA Emi MOTEGI Ayana HAYAKAWA Yuko
Course Period	1st year All semester	Required subject 2 credits	Class format	training	Course Classification	Specialized Education	
Objectives							
Based on what you learned in the companion animal care (grooming) theory, you will learn the grooming techniques necessary for breeding and managing dogs and cats. The goal is to learn how to observe the health condition of dogs and cats, how to observe body language and how to interpret the results, how to retain it, how to use and store specialized equipment, and so on.							
Lecture Outline							
Basically, the lessons are developed in a practical manner while actually handling dogs (cats). In some cases, viewing of documentary images and observation of practical skills are added to the practical skills. We will learn about each work while working on it comprehensively.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Cat grooming. Nail clipping, brushing, basing, and drying care. 2 Identification of grooming tools and preparation for grooming care tasks. 3 Observing the canine's body language and handling it in and out of the cage and on the table. 4 Canine leash control, leash tying. Canine handling techniques (large and small dogs). 5 Holding and handling of grooming equipment. Brushing care using combs and brushes. 6 Baising and drying care. 7 Baising and drying care. Blowing temperature and air volume settings. 8 Clipping . Coat shaping using a clipper. 9 Clipping . Fine coat treatment. Sole care. 10 Nail clipping. Toe control and use of nail clippers. 11 Grooming large dogs. How to keep large dogs in place and use special equipment. 12 Legs handling and head holding. 13 Scissor work. Holding and using scissors. 14 Dry care without water. 15 General review. 							
Feedback on Assignments (exams, reports, etc.)							
The assignments will be explained and critiqued as necessary.							
Course Notes							
Students must wear a uniform and bring their own equipment for each class.							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning "Check the manual for the work to be done in each class session. After-school study "Read the course content after each class.</p>							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on practical skills (50%) and class participation (50%).							
Textbook							
<p>"THE COMPLETE DOG GROOMING BASIC TECHNICAL MANUAL" MAIN Vol. "THE COMPLETE DOG GROOMING BASIC TECHNICAL MANUAL" SEPARATE Vol. "THE COMPLETE DOG GROOMING BASIC TECHNICAL MANUAL" (DVD) 教育サポートセンター</p>							
Reference Books, Teaching Materials, etc.							
『全犬種標準書』 ジャパンケネルクラブ							

Course	Practice of Companion Animal Care (Advanced Grooming)			Practitioner teacher	Inst-uctor(s)	FUKUYAMA Takaaki TSUCHIYA Emi MOTEGI Ayana HAYAKAWA Yuko
Course Period	2nd year All semester	Electives 2 credits	Class format	training	Course Classification	Specialized Education
Objectives						
The goal is to stably implement the knowledge and technical content acquired in the basic training to ensure the safety of humans and animals for dogs of various ages, temperaments, and sizes. Set the theme care work in each class and try to acquire it.						
Lecture Outline						
In addition to the dog health and management learned in the companion animal care (basic grooming) training, we will practice the retention method of diversifying breeds and the method of skin health care. In order to acquire the ability of dogs to apply to various behavior patterns, we will also use dogs that are somewhat difficult to handle and practice grooming care methods according to the dog's life stage, breeding environment, and breeding purpose.						
Lesson Plan						
<ol style="list-style-type: none"> 1 Grooming Care. Basic review. 2 Grooming care. Scissors and shears test. Forceps with cotton production. 3 Grooming care. Hairball care (using special equipment). 4 Grooming care. Upper and lower hair care (using special equipment). 5 Grooming care. Seasonal (for hot and humid environments). 6 Grooming care. Seasonal (for cold and dry environments). 7 Grooming care. Mutual confirmation. 8 Grooming care. Work evaluation methods. 9 Grooming Care. By breeding environment. 10 Grooming care. Dry care (mousse). 11 Grooming care. Dry care (powder). 12 Grooming care. Foam cleaning. 13 Grooming care. Life stage (old dog). 14 Grooming care. Large canine breed care. 15 Comprehensive grooming care application. 						
Feedback on Assignments (exams, reports, etc.)						
Verbal evaluation of the technique will be given in class.						
Course Notes						
Students must wear a uniform and bring their own equipment for each class.						
Contents of Prior and Post-learning (preparation and review)						
<p>Prior learning "Check the manual for the work to be done in each class session. After-school study "Read the course content after each class.</p>						
Evaluation Method (including evaluation criteria)						
Overall evaluation will be based on practical skills (50%) and class participation (50%).						
Textbook						
<p>"THE COMPLETE DOG GROOMING BASIC TECHNICAL MANUAL" MAIN Vol. "THE COMPLETE DOG GROOMING BASIC TECHNICAL MANUAL" SEPARATE Vol. "THE COMPLETE DOG GROOMING BASIC TECHNICAL MANUAL" (DVD) 教育サポートセンター</p>						
Reference Books, Teaching Materials, etc.						
『全犬種標準書』 ジャパンケネルクラブ						

Course	Farm Animal Science				Practitioner teacher	Inst-ructor(s)	MURAKAMI Takahiro
Course Period	3rd year 1st semester	Required subject 1 credit	Class format	lecture	Course Classification	Specialized Education	
Objectives							
The final goal of this course is to understand history, and social status and characteristics of farm animals by comparing them with related wildlife species. This course also aims to provide various knowledge of farm animals including horse, cow, sheep, goat, pig, and chicken. Major breeds, physiological characteristics, sexual cycle, reproduction, rearing methods and environmental issues will be explained.							
Lecture Outline							
In this course, students will learn history, breeds, rearing, and management methods of farm animals. Through the course, we focus on how domestication change behavior and morphology of each species. Students will learn history, breeds, characteristics and rearing methods of major industrial animals.							
Lesson Plan							
<ol style="list-style-type: none"> 1 What are industrial animals? 2 Horse as a farm animal; history and characteristics 3 Cow as a farm animal; history and characteristics 4 Sheep and goat as farm animals; history and characteristics 5 Pig as a farm animal; history and characteristics 6 Chicken as a farm animal; history and characteristics 7 Furbearers as farm animals; history and characteristics, environmental issues of farm animals 8 Summary of farm animal science 							
Feedback on Assignments (exams, reports, etc.)							
A quiz will be given in each class, and explanations, responses and comments of the quiz will be given at the following class.							
Course Notes							
Students of this course are recommended to review basic genetics, anatomy, and physiology as they are fundamental knowledge to understand farm animal science.							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning: Before each class, check the points of the theme.</p> <p>Post-lesson study: After each class, students should review essential parts of the lecture and the quiz</p>							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on regular examinations(50%) and quizzes(50%)							
Textbook							
The textbook is not specified, but the documents for each lecture will be distributed.							
Reference Books, Teaching Materials, etc.							
動物看護師教育コアカリキュラム 2019 準拠・応用動物看護学 3,動物行動学・伴侶動物学・産業動物学・実験動物学・野生動物学, 株式会社インターズー.							

Course	Laboratory Animal Science				Practitioner teacher	Inst-ructor(s)	OGOSE Naohito
Course Period	3rd year 2nd semester	Required subject 1 credit	Class format	lecture	Course Classification	Specialized Education	
Objectives							
Understand their history, social position, and characteristics while comparing companion animals, experimental animals, and wild animals. Understand the purpose and significance of animal experiments, and understand the use control and breeding methods of experimental animals, genetic control, environmental control, disease models, etc.							
Lecture Outline							
Learn about the breeds and breeding management methods of experimental animals, their involvement with animal experiments, species and conservation, and individual and group management.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction to laboratory animal science: significance of animal experiments, definition and use of laboratory animals, history and future prospects 2 Ethics and regulations of animal experiments 3 Comparative biology of various laboratory animals (mice, rats, hamsters, gerbils, guinea pigs, rabbits). 4 Comparative biology of various laboratory animals (cats, dogs, pigs, and monkeys, etc) 5 Breeding and reproduction of laboratory animals 6 Genetic and microbiological control of laboratory animals 7 Disease models and genetically modified animals 8 Extrapolation from animal experiments to humans 							
Feedback on Assignments (exams, reports, etc.)							
Administer a quiz and provide answers and explanations during the class.							
Course Notes							
Since there are both pros and cons regarding animal experiments, it is essential to always have a clear stance to engage in thorough discussions with those who oppose them. With that in mind, I hope you will attend the class.							
Contents of Prior and Post-learning (preparation and review)							
Pre-class preparation: Review the textbook and other materials in advance, referring to the course plan and distributed materials. Post-class study: Review the key points presented in class and quizzes to solidify your knowledge.							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on the regular exam results and class participation.							
Textbook							
愛玩動物看護師カリキュラム準拠教科書 6 巻 動物行動学／愛玩動物学／比較動物学（日本動物保健看護系大学協会 カリキュラム委員会編）エデュワードプレス							
Reference Books, Teaching Materials, etc.							
Distribute materials aligned with the lecture content.							

Course	Wild Animal Science				Practitioner teacher	Inst-ructor(s)	MURAKAMI Takahiro
Course Period	2nd year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
The objective of the course is to understand history, problems, and characteristics of wildlife and domestic animals such as zoo animals. Regarding wildlife, students learn biodiversity, conservation, endangered species, introduced species and their problems with humans. Regarding domestic animals, students learn important roles and management of zoo animals.							
Lecture Outline							
In this lecture, we will learn about the fundamentals of wildlife and domestic animals. Evolution, historical perspectives, and biological characteristics of them. In addition, this course aims to explain various knowledge related to wildlife and zoo animals; law system, study methods, conflicts with human, and practical approaches to coexist between animals and human							
Lesson Plan							
<ol style="list-style-type: none"> 1 Understanding real problems with wildlife 2 Wildlife evolution, taxonomy, and biological diversity 3 Law system and nature reserves for wildlife conservation 4 Wildlife study methods 5 Characteristics and problems of deer, serow and boar 6 Characteristics and problems of bears 7 Characteristics and problems of fox, raccoon dog and other wildlife 8 Characteristics and problems of birds closely related to humans 9 Overview of introduced species; Damages to the original ecosystem and countermeasures 10 Overview of endangered species and conservation 11 Overview of extinct species and controversies of their reintroduction 12 Significance of zoo and zoo-animals 13 Individual and group-based cares of zoo-animals and care for their behavior 14 Educational aspects of wildlife biology, roles of zoo and aquarium. 15 Conclusion: How can we coexist with wildlife 							
Feedback on Assignments (exams, reports, etc.)							
A quiz will be given in each class, and explanations, responses and comments of the quiz will be given at the following class.							
Course Notes							
It is recommended to have broad interest in wildlife problems and zoo animals through daily news or other media.							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Before each class, check the points of the theme. Post-lesson study: After each class, students should review essential parts of the lecture and the quiz							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on regular examinations(50%) and quizzes(50%)							
Textbook							
The textbook is not specified. Documents for each lecture will be distributed.							
Reference Books, Teaching Materials, etc.							
コアカリ野生動物学、日本野生動物医学会編、文永堂出版.							

Course	Regulations for Veterinary Nursing				Practitioner teacher	Inst- ructor(s)	YAMADA Fumiya
Course Period	1st year 1st semester	Required subject 1 credit	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>1. General theory of law. To understand 1) the legal system, 2) the laws and regulations related to veterinary medicine and the relationship between animal nurses and veterinary medicine.</p> <p>2. 'Aigandoubutu-Kangoshi-hou (Veterinary Nursing Act)'. To understand 1) the purpose and definitions of the Act (including licensing, examinations, duties and penalties).</p> <p>3. Administrative regulations related to Veterinary medicine. To understand 1) the outline of the 'Veterinarians Act', 2) the outline of the 'Veterinary Practice Act'.</p> <p>4. Public health administrative regulations. To understand 1) the outline of the 'Act on the Prevention of Infectious Diseases and Medical Care for Patients with Infectious Diseases', 2) the outline of the 'Rabies Prevention Act'.</p> <p>5. Pharmaceutical administration laws and regulations. To understand 1) the outline of the 'Act on Securing Quality, Efficacy and Safety of Products Including Pharmaceuticals and Medical Devices', 2) the outline of the 'Narcotics and Psychotropics Control Act', 3) the outline of the 'Poisonous and Deleterious Substances Control Act'.</p>							
Lecture Outline							
Learn about the basic laws and regulations relating to animal care and to understand the role of the pet animal nurse in society.							
Lesson Plan							
<ol style="list-style-type: none"> 1 General Theory of Law I (Japanese Legal System) 2 General Theory of Law II (Laws and regulations related to veterinary medicine and the involvement of veterinary nurses) 3 'Aigandoubutu-Kangoshi-hou (Veterinary Nursing Act)' 4 Administrative regulations related to Veterinary medicine I ('Veterinarians Act') 5 Administrative regulations related to Veterinary medicine II ('Veterinary Practice Act') 6 Public health administrative regulations I ('Act on the Prevention of Infectious Diseases and Medical Care for Patients with Infectious Diseases') 7 Public health administrative regulations II ('Rabies Prevention Act') 8 Pharmaceutical administration laws and regulations ('Act on Securing Quality, Efficacy and Safety of Products Including Pharmaceuticals and Medical Devices', 'Poisonous and Deleterious Substances Control Act') 							
Feedback on Assignments (exams, reports, etc.)							
Summarize the scoring and communicate the problem.							
Course Notes							
Write down the points and notes of the lecture by hand in a notebook.							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior to the lecture: prepare an overview of the content using key words.</p> <p>Post-lecture study: Organize the main points of each lecture.</p>							
Evaluation Method (including evaluation criteria)							
Students are assessed based on of a terminal examination (70%) and class participation (30%).							
Textbook							
<p>Animal Nurse Curriculum Compliant Textbook Series, Vol. 5 (Eduward Press)</p> <p>ISBN : 978-4-86671-159-1 (in Japanese)</p>							
Reference Books, Teaching Materials, etc.							
Printouts and slides will be used as teaching materials as needed							

Course	Regulations for Animal Welfare and Proper Care				Practitioner teacher	Inst- ructor(s)	KOJIMA Kayoko
Course Period	1st year 1st semester	Required subject 1 credit	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>1. Basic concepts of Animal welfare and Proper animal care (1) Understand the Act to Animal welfare and Proper animal care, and the Role of Pet animal nurses.</p> <p>2. Administrative Laws related to Animal welfare and Proper animal care (1) Understand the Act on Welfare and Management of animals (2) Understand the Act on Safety of Feeds and Pet foods</p> <p>3. Social welfare administration and Environmental hygiene laws (1) Understand the Act on Assistance dogs for Persons with Physical disabilities (2) Understand the Regulations of Waste Management and Public Cleansing Law (3) Understand the Rendering plant control Act</p> <p>4. Act and treaties related to wildlife (1) Understand the outline of biodiversity (2) Understand the Act on the Prevention of Adverse Ecological Impacts Caused by Designated Invasive Alien Species (3) Understand the Convention on International Trade in Endangered Species of Wild Fauna and Flora (4) Understand the Act on Conservation of Endangered Species of Wild Fauna and Flora (5) Understand the Act on Wildlife Protection, Control, and Hunting Management (6) Understand the Convention on Wetlands of International Importance especially as Waterfowl Habitat (7) Understand the System for the protection of wild animals and plants under the Nature Park Law (8) Understand the System for the protection of rearing animals and wildlife under the Act on Protection of Cultural Properties</p>							
Lecture Outline							
Understand about various Acts and regulations related to Animal welfare and proper animal care. And Understand how Human and Animals should coexist.							
Lesson Plan							
1 The Role of Pet Animal Nurses in Promoting Animal welfare and Proper Animal Care 2 Act on Welfare and Management of animals 3 Act on Safety of Feeds and Pet foods 4 Act on Assistance dogs for Persons with Physical disabilities 5 Laws related to environmental health 6 Laws related to wildlife(1) 7 Laws related to wildlife(2) 8 Summary and Review							
Feedback on Assignments (exams, reports, etc.)							
In the next class, respond and comment on the views and questions in the report							
Course Notes							
None							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Gather information, make your own predictions, and have an opinion in the next class. After learning Reflect on the class content and submit report							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on 40% participation in the class and 60% in the report and regular test							
Textbook							
『愛玩動物看護師カリキュラム準拠教科書 5巻 公衆衛生学／動物看護関連法規／動物愛護・適正飼養関連法規』 一般社団法人 日本動物保健看護系大学協会カリキュラム委員会 編 エデュワードプレス							
Reference Books, Teaching Materials, etc.							
Hand out materials in class							

Course	Medical Safety				Practitioner teacher	Inst-ructor(s)	HONDA Mioko
Course Period	4th year 2nd semester	Electives 2credits Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
Safe securement about medical treatment is one of most important problems in a medical site. It's understood to lean about human error and accident prevention and brew "Safe culture" by maintenance of medical supplies, a medical equipment and operational society.							
Lecture Outline							
To aim symbiosis of an animal with a person, it's necessary to consider "One health" an animal medical site and pet allied industries about safety of idea animal medical treatment. Risk management such a exclusion, an accident prevention and recurrence prevention of dangerous factor, lecture based on casein detail.							
Lesson Plan							
<ol style="list-style-type: none"> 1 What is medical safety? What is the problem in animal hospital? 2 What is medical safety? Knowledge of danger that you need to know. (what is an instruction?) 3 What is medical safety? (Transcript mistake) 4 What is medical safety? (Power drugs, poison, instructions) 5 What is medical safety? (Syringe pumps, three-way stopp stops) 6 What is medical safety? (The remaining amount of medical oxygen & cylinders) 7 What is medical safety? (Medical safety culture) 8 What is medical safety? (Hygiene & safety management, Sterilization & disinfection) 9 What is medical safety? (Appropriate safety program) 10 Record & keep1 (Radiation related / medical waste) 11 Record & keep2 (Kalter & inspection book) 12 Analysis of failure & protection measures. 13 Nurses' legal responsibility. 14 Protection of personal information in medical care. 15 Informed consent in medical care /Summary. 							
Feedback on Assignments (exams, reports, etc.)							
A clipping memo of newspaper report about medical safety. Research there and implementation a group work.							
Course Notes							
Have admirations in newscasting about medical safety and report. Personally, a problem is put in order by point notebook.							
Contents of Prior and Post-learning (preparation and review)							
Be respectively about notice of next lecture contents and prepare.							
Evaluation Method (including evaluation criteria)							
Report submission and coordination a point notebook.							
Textbook							
It isn't designated in particular; Material is distributed each time.							
Reference Books, Teaching Materials, etc.							
ISBN978-4-05-605000-4 GAKKEN,1860500000 ISBN978-4-05-152383-4 GAKKEN,40-17500							

Course	Companion Animals-related Industry				Practitioner teacher	Inst-ructor(s)	KOSHIMURA Yoshio
Course Period	4th year 1st semester	Required subject 2 credits Elective 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
1. Professional Ethics of Pet-related Industry (incl. Behavioral Ethics) <ol style="list-style-type: none"> 1) Understand responsibilities and social role (Professional Ethics) 2) Understand overview of related regulations in commercial transaction 3) Understand prior explanation meaning and necessity as well as implementation method based on Animal welfare and management law 2. Breeding and caring of pet and market size <ol style="list-style-type: none"> 1) Understand current pet breeding and caring as well as overview of pet-related industry and market size 3. Current status and issues of each pet-related industry <ol style="list-style-type: none"> 1) Understand current status and issues of various fields, such as pet foods, pet products, pet-related services (pet living body sales, grooming/healthcare fields, recreation, sightseeing, funeral & memorial, veterinary medicine, symbiosis housing/condominium with pet) 4. Animal handling business <ol style="list-style-type: none"> 1) Understand overview of animal handling business system 2) Understand necessary practical knowledge, animal handling method and hygiene management as animal handling manager 							
Lecture Outline							
Understand professional ethics and behavioral ethics, as well as needs and functions, overview of various businesses consisting of pet-related industry, and practical knowledge and methods in animal handling business as animal handling manager							
Lesson Plan							
1 Professional ethics (incl. behavioral ethics) in pet-related industry I (Responsibility and social role, professional ethics) 2 Professional ethics in pet-related industry (incl. behavioral ethics) II (Overview of related regulations in commercial transaction) 3 Professional ethics (incl. behavioral ethics) in pet-related industry III (Prior explanation meaning and necessity as well as implementation method of Animal welfare and management law) 4 Breeding and caring of pet and market size (Current status of animal breeding and caring, and overview of market size of pet-related industry) 5 Current status and issues of each pet-related industry (pet foods, pet products) 6 Current status and issues of each pet-related industry (pet-related services (pet living body sales, Grooming/healthcare fields, recreation, sightseeing, funeral & memorial) 7 Current status and issues of each pet-related industry (veterinary medicine, symbiosis housing/condominium with pet) 8 Animal handling business I (Overview of animal handling business system) 9 Animal handling business II (Necessary practical knowledge, animal handling method and hyginene management as animal handling manager) 10 Macro information to be considered for working in pet-related industry 11 Method of studying problems and opportunities of pet-related industry 12 Method of business planning, strategies, tactics, programs on pet-related industry 13 Future prospects of pet-related industry (population decline, decrease of children, increase of aged population, decline of pets and pet owing rates) 14 Opportunities of pet-related industry (collaboration with other industries, development of new products and services, etc.) 15 Summary (Review of all lectures and understanding level of pet-related industry)							
Feedback on Assignments (exams, reports, etc.)							
Explanation of correct answers of mid-term exam and final exam							
Course Notes							
Distribute and explain materials for lectures. Required to bring materials delivered at the next lecture, as the lecture and explanation may continue. Necessary to take notes. Take advantage of learnings at Q&A sessions.							
Contents of Prior and Post-learning (preparation and review)							
Gather questions in advance and make reviews after each lecture.							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on: Q&A at lectures 10%、 Mid-term exam results 40%、 Final exam results 50%							
Textbook							
Not specified.							

Reference Books, Teaching Materials, etc.

Not specified. Reference Book: Yoshio Koshimura's Book titled "Red Thread of Human Beings and Pets" issued by Gakken Publishing

Course	Scientific English				Practitioner teacher	Inst ructor(s) ISHIKAWA Makiko
Course Period	3rd year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education
Objectives						
<p>The science required in the fields of veterinary technology and animal-human relations is rapidly advancing. Students need a global perspective and the ability to read books, articles, and documents of a scientific nature in English without hesitation. In addition, listening and speaking skills are becoming increasingly important as the international community becomes more interconnected. In this class, students will gain the skills to read and understand English texts related to animals and human-animal interactions. The goal of the course is to provide students with the basic skills necessary to understand English-language sources related to their graduation research.</p>						
Lecture Outline						
<p>The course will begin with understanding the structure of English sentences unique to scientific English and mastering technical terms, related vocabulary, and terminology. In addition, students will read specialized English textbooks to develop practical reading skills. Students will also improve their listening and speaking skills by listening to CDs and repeatedly reading English articles out loud. Furthermore, a close reading and discussion of specialized books will be conducted to learn to use these resources practically and efficiently.</p>						
Lesson Plan						
<ol style="list-style-type: none"> 1 Orientation (Introduction to Scientific English) 2 Animal Biology 3 English for Experiments 4 Tables and Graphs in English 5 Veterinary technology: Substances That Make Up the Body 6 Veterinary technology: Cells and TissueM 7 Veterinary technology: Nutrition 8 Veterinary technology: Disease and Care 9 Topics provided and presented by students (1) 10 Animal Human Relations: Sensory Perception in Animals 11 Animal Human Relations: Animal Behavior 12 Animal Human Relations: Animals and Environment 13 Animal Human Relations: Canines and Humans 14 Topics provided and presented by students (2) 15 Review and Final Exam 						
Feedback on Assignments (exams, reports, etc.)						
Exams and quizzes will be explained and critiqued where necessary.						
Course Notes						
<p>Students should make full use of dictionaries and prepare well for the assignments. Materials will be distributed via Moodle.</p>						
Contents of Prior and Post-learning (preparation and review)						
<p>Prior-learning: Students are expected to look up any unfamiliar vocabulary in the handouts distributed in class. Post-learning: Take notes on important vocabulary and expressions to reinforce understanding.</p>						
Evaluation Method (including evaluation criteria)						
Comprehensive evaluation based on essays and in-class test (60%), assignments submitted in class (40%).						
Textbook						
handout						
Reference Books, Teaching Materials, etc.						
<p>Animal Biology and Care, Sue Dallas, Blackwell Science Time Special Edition How Dogs Think 2018 Time Inc. Books Other reference books will be introduced in the lecture.</p>						

Course	Statistics				Practitioner teacher	Inst-ructor(s)	KIMURA Yuya
Course Period	2nd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education [General Subject]	
Objectives							
The purpose of this lecture is to learn the standard statistical methods to understand the overall trend of experimental results when using animals, to deal with experimental errors caused by various external and internal factors, and to draw the correct inferences.							
Lecture Outline							
In this course, students will learn and appropriately use statistical methods to quantitatively and objectively understand the trends and characteristics of specific animal groups as arguments for academic papers. Students will also learn techniques for organizing, analyzing, and charting various types of information and data obtained from surveys and experiments related to the research subject on a computer. Basic statistics such as mean, variance, standard deviation, and correlation coefficient, as well as some simple and versatile statistical tests, will be explained.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction 2 Sampling 1: Population and Samples 3 Sampling 2: Distributions 4 Sampling 3: Summary 5 Hypothesis Testing 1: Difference of means 6 Hypothesis Testing 2: Correlation 7 Hypothesis Testing 3: Independency 8 Hypothesis Testing 4: Summary 9 Practice 1: Clinical epidemiology 10 Practice 2: Survival analysis 11 Practice 3: Intervention study 12 Practice 4: Multivariable analysis 13 Practice 5: Qualitative study 14 Practice 6: Summary 15 Summative assessment 							
Feedback on Assignments (exams, reports, etc.)							
Subjects such as calculation problems, incorporated in accordance with the progress of the lecture, will be explained to the entire class. Q&A session will be provided in the summary session to provide individual and overall feedback on any unclear points.							
Course Notes							
Students are required to prepare a calculator suitable for calculating square roots and numbers with more than 10 digits ("apps" for cell phones, etc. are also acceptable).							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning: Read the handouts related to the class content carefully.</p> <p>Post learning: Review the class contents and do the exercises.</p>							
Evaluation Method (including evaluation criteria)							
Attendance in class (50%) and quizzes (50%) will be used for evaluation.							
Textbook							
Handouts will be distributed as necessary.							
Reference Books, Teaching Materials, etc.							
<p>獣医学<第三版>、獣医学学会編、近代出版</p> <p>Other reference books will be introduced in the lecture.</p>							

Course	Practice in Animal Health Technology			Practitioner teacher	Inst- ructor(s)	MIYAI Sayaka TOMONO Haruka
Course Period	4th year 2nd semester	Elective 1 credit	Class format	lecture	Course Classification	Specialized Education [General Subject]
Objectives						
This course is designed to provide a comprehensive overview of animal nursing studied for four years and establish specialized knowledge. The goal is for students to be able to integrate the knowledge of the specialized basic subjects with the knowledge of the specialized clinical subjects, and to be able to use this knowledge in a variety of hypothetical situations.						
Lecture Outline						
The basic knowledge of anatomy, physiology, pathology, and pharmacology, which are the primary subjects of the specialty, will be reconfirmed. Then, repeated exercises will be conducted to apply and utilize this knowledge in the clinical subjects.						
Lesson Plan						
<ol style="list-style-type: none"> 1 Organizing Anatomy and Physiology, Animal Breeding 2 Organizing Animal behavior and Small Animal nutrition 3 Organizing Comparative Zoology and Introduction to Veterinary Medical Nursing 4 Summary of 1st-3rd subjects (including test) 5 Organizing laws and Regulations related to animal care, Animal welfare and proper care 6 Organize Animal pathology and Public health 7 Organize Animal pharmacology and Veterinary Laboratory Medicine 8 Summary of 5th-7th subjects (including test) 9 Organize Veterinary Medical Nursing General and Veterinary Surgical Nursing 10 Organize Veterinary Internal Medicine Nursing and Veterinary Medical Nursing 11 Organizing Veterinary Infectious Diseases and Organizing Bioethics, Animal Welfare 12 Summary of 9th-11th subjects (including test) 13 Organizing Animal Medical Communication and Animal Studies, Human-Animal Relationships, Proper Care and Guidance, Animal Life Environment Studies, Introduction to Pet-Related Industries. 14 Summary of 13th subjects (including test) 15 Veterinary Medical Nursing Review 						
Feedback on Assignments (exams, reports, etc.)						
Work on the exercises and discuss with the group the details of the questions they could not do (reasons for correct answers and why they were incorrect), and give advice on how to study and important points.						
Course Notes						
In preparation for the national examination, each student is expected to first review the unit on his/her own before participating in the exercises.						
Contents of Prior and Post-learning (preparation and review)						
Be sure to understand the contents of each exercise and prepare for it (review the contents from the first year) before attending the exercise. Make it a habit to self-organize the contents of the exercises.						
Evaluation Method (including evaluation criteria)						
The mid-term exam will be 60%, and the participation in each exercise will be 40% (students will have an opportunity to review in each exercise and discuss wrong and correct answers with other students around them), to be judged comprehensively.						
Textbook						
Bring previous class materials and your own problem books, etc., if necessary.						
Reference Books, Teaching Materials, etc.						
Present as needed.						

Course	Graduation Thesis				Practitioner teacher	Inst- ructor(s)	UMEMURA Takashi IMAMURA Shinichiro TANIGUCHI Akiko ITO Naoyuki SUZUKI Mitsuyuki OHASHI Yukiko SUZUKI Tomoko KIMURA Yuya FUKUYAMA Takaaki FRITZ KIKKAWA Aya MIYAI Sayaka MITSUI Kana ARAKAWA Maki TSUCHIYA Emi NAGASHIMATakyuki SHIMAMORI Hisako ISHIKAWA Makiko MURAKAMI Takahiro NIIJIMA Noriko WAKABAYASHI Yoshihiro MATSUI Shosaku YAMADA Fumiya KATO Rie AKIYAMA Junko HORII Takayuki
							Course Period
Objectives							
Under the guidance of the supervising professor, students are expected to write a thesis or a graduation thesis on a topic of particular interest in the field of "Veterinary Nursing" or "Animal-Human Relations."							
Lecture outline							
The purpose of this course is to have students submit a paper as an outcome of their animal care education, summarizing matters of particular interest to them under the guidance of their supervisor. Specifically, to improve students' abilities and develop human resources who can contribute to society, under the supervision of a thesis advisor chosen by the students themselves, the program provides consistent guidance starting with literature research on animal nursing, setting a research theme, developing an action plan, taking the initiative to work on the task continuously, and summarizing and presenting the obtained data. In addition to the above, students will be taught to							
Lesson plan							
Based on the content acquired in the third-year compulsory course "Research Methods," students will set a research theme, formulate an action plan, conduct research, and summarize the obtained data in a paper or work. The deadline for submission of the thesis or work will be announced on a separate bulletin board. Interim reports and graduation thesis presentations will be held.							
Feedback on assignments (exams, reports, etc.)							
Discussions with the supervisor will be held as necessary, and the research content will be discussed.							
Course Notes							
Students will be instructed individually in their laboratories, so be careful to keep in touch with them.							
Evaluation Method (including evaluation criteria)							
The overall judgment will be based on the research attitude (30%) and the submitted paper or work (70%).							
Textbook							
None							
Reference Books, Teaching Materials, etc.							
None							

Course	Internship				Practitioner teacher	Inst-ructor(s)	HORII Takayuki MITSUI Kana AOYAMA Masashi
Course Period	3rd and 4th year All year	Elective 2 credits	Class format	training	Course Classification	Specialized Education [General Subject]	
Objectives							
This program aims to foster the ability to make independent career choices, develop job awareness, and acquire practical knowledge by providing students with work experience related to their future careers at companies and organizations (including veterinary hospitals) that develop animal-related businesses.							
Lecture Outline							
In this course, students will acquire basic skills for working adults through pre-internship classes, cultivate their vocational awareness through internship practice, think about their vocational aptitude, and acquire the ability to adapt to the real world. In addition, through post-internship classes, students will have the opportunity to reflect on their own experiences, share their work experiences with others in various job fields, and consider their issues and career choices for future career development.							
Lesson Plan						Teacher in charge	
1. Pre-classes for internship (April to July)							
Orientation							
Pre-class 1: What is internship, get to know a company, learn about yourself						HORII, MITSUI, AOYAMA	
Pre-Class 2: Business Etiquette (1) Personal appearance and behavior						HORII, MITSUI, AOYAMA	
Pre-Class 3: Business Etiquette (2) Language and Telephone Communication						HORII, MITSUI, AOYAMA	
Pre-Class 4: Business Etiquette (3) reporting, communication, consultation, record keeping and confidentiality, etiquette for seating, exchange of business card, thank you letters						HORII, MITSUI, AOYAMA	
Pre-Class 5: How to write an entry sheet, resume and email						HORII, MITSUI, AOYAMA	
Pre-Class 6: Interview simulation						HORII, MITSUI, AOYAMA	
Pre-Class 7: How to communicate with your internship partner						HORII, MITSUI, AOYAMA	
Pre-Class 8: Orientation just before internship (1)						HORII, MITSUI, AOYAMA	
Pre-Class 9: Orientation just before internship (2)						HORII, MITSUI, AOYAMA	
2. Internship (August to September)							
Off-campus internship as a course of 16 hours or more						HORII, MITSUI, AOYAMA	
To be conducted at the host companies (including veterinary hospitals)							
3. Post-classes for internship (October)							
Post-Class 1: Sharing work experience						HORII, MITSUI, AOYAMA	
Post-Class 2: Summary for future career development						HORII, MITSUI, AOYAMA	
Feedback on Assignments (exams, reports, etc.)							
In-class reports will be summarized and comments will be returned. Requests and questions will be responded to orally or email.							
Course Notes							
Although this is a year-round course, the implementation schedule is outlined above. The detailed schedule will be presented in the first class (Orientation). Check your Moodle and email for class announcements and materials distributed via Moodle. Since this is an external course of study, be sure to act responsibly and in good faith. Late arrivals, absences, and late submission of assignments are strictly prohibited.							
Contents of Prior and Post-learning (preparation and review)							
Please do some preliminary research on the contents related to each class session. After the class, summarize the contents based on the handouts. In addition, each student is expected to research the industry and company in which they will intern.							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on class participation (30%), internship evaluation (30%), and assignment report (40%).							
Textbook							
None in particular. Handouts will be distributed as needed.							
Reference Books, Teaching Materials, etc.							
Information will be introduced as needed.							

Course	Volunteer Study & Activity				Practitioner teacher	Inst-uctor(s) NIIJIMA Noriko MIYAI Sayaka
Course Period	1st - 4th year All year	Electives 1 credit	Class format	training	Course Classification	Specialized Education [General Subject]
Objectives						
<p>As a veterinary nursing and animal human relations student, you should have the knowledge and ability to provide a safe environment for pet owners to live with their pets. This occurs not only in veterinary clinics, but in a variety of situations and environments. They are expected to play a role as professionals involved with animals in various situations, such as community support, support for the elderly, support for child-rearing, support for the disabled, support for agriculture, and support during earthquakes.</p> <p>This class aims to acquire the knowledge and ability to intervene as a professional in the environment surrounding "owners and animals" through actual participation in training and volunteer activities.</p>						
Lecture Outline						
<p>In this class, students will be required to participate in training and volunteer activities designated by the university. Lectures (pre-lessons) will be given in the first semester to understand the significance and principles of these activities. Then, they will practice the training and volunteer activities during the summer vacation, and in the second semester, they will have a post-lecture class, where they will make a presentation on the training and volunteer activities and submit a report for credit.</p>						
Lesson Plan						
advance lesson 1st.	Orientation, introduction to "overseas training" and "domestic training," and the significance of the training					
Second time.	Significance of volunteerism: Introduction to volunteerism, community building, and activities (1)					
Three times.	Significance of volunteerism: Introduction to volunteerism, community building, and activities (2)					
Four times. training	Significance of volunteerism: Volunteering, community building, and activities (3)					
(1)	To be implemented at one of the following planned locations (multiple selections possible) Overseas training: Social status and current situation of companion animals and other animals overseas (actual expenses)					
(2)	Domestic training: Kitasato University Yakumo Farm Practical training on breeding and management in industrial animals (actual expenses)					
(3)	On-campus volunteer: On-campus volunteer, help with on-campus events and training					
(4)	Training or volunteer work approved by the course director					
follow-up classes 1st.	Reflection, presentation, and debriefing of what was learned in the training and volunteer activities					
Feedback on Assignments (exams, reports, etc.)						
Reports and other materials will be returned as necessary.						
Course Notes						
<p>Maintain thorough communication with the training site to ensure that no accidents occur.</p> <p>"Overseas training and domestic training will be charged at actual cost. Detailed information will be given in the first class. ("Overseas Training" and "Domestic Training" are training programs available regardless of registration.)</p>						
Contents of Prior and Post-learning (preparation and review)						
The syllabus shows the contents of the lecture for the day, so please prepare for it.						
Evaluation Method (including evaluation criteria)						
Attendance (25%), participation in training/volunteer activities (25%), reports (25%), and presentations (25%) will be comprehensively taken into consideration in making decisions.						
Textbook						
Handouts will be distributed as needed.						
Reference Books, Teaching Materials, etc.						
None						

Course	Short-term Animal Practical Training Abroad				Practitioner teacher	Inst- ructor(s)	SHIMAMORI Hiskao
Course Period	2nd-4th year All year	Electives 4 credits	Class format	Lecture Training	Course Classification	Specialized Education [General Subject]	
Objectives							
Through practical training in English and animal husbandry at overseas animal-related facilities, students will learn about a wide range of animal-related disciplines in a multicultural society and acquire a global perspective.							
Lecture Outline							
This is a practical training course conducted in partnership with the zoo in Australia. The aim is to learn a wide range of animal-related disciplines in a multicultural society and to acquire a global perspective through the experience of keeping animals in the field under the guidance of local educators and animal care staff. Before and during the practical training, Japanese and native English-speaking teachers will provide the necessary English language training to ensure good communication with the local staff. Upon return to Japan, students present and reflect on what they have learned during the practical training.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Orientation (understanding the purpose and content of the lectures and the course method) 2 Prior study 2: Regional study (English study of the region where the practical training will take place) 3 Prior study 3: Travel English (vocabulary and expressions for travel and accommodation) 4 Prior study 4: Professional English (zoo-related vocabulary and expressions for practice) 5 Prior study 5: Professional English (zoo-related vocabulary and expressions for the practice) 6 Practical training 1: Practical training at a zoo in Australia 7 Practical training 2: Practical training at a zoo in Australia 8 Practical training 3: Practical training at a zoo in Australia 9 Practical training 4: Practical training at a zoo in Australia 10 Practical training 5: Practical training at a zoo in Australia 11 Practical training 6: Practical training at a zoo in Australia 12 Practical training 7: Practical training at a zoo in Australia 13 Practical training 8: Practical training at a zoo in Australia 14 Post-learning 1: Presentation by students and review by instructors 15 Post-learning 2: Presentation by students and review by instructors 							
Feedback on Assignments (exams, reports, etc.)							
Review will be given after the presentation.							
Course Notes							
<p>Students should be in good health to stay abroad, participate in practical training, and abide by the prescribed schedule and the discipline required at the training site.</p> <p>The course may be canceled due to social conditions or if the minimum number of participants is not fulfilled. Participation may be difficult depending on the country issuing the student's passport. Non-Japanese passport holders should inquire in advance.</p> <p>As this course is an overseas practical experience, additional costs including travel expenses will be required. Other details will be explained at the briefing sessions held in November and December, so those wishing to take the course must attend them.</p> <p>This course is held in March and registration is carried out in the following year, so if students in Years 1 to 3 register for the course at the end of the academic year, they will be subject to evaluation in the following year.</p>							
Contents of Prior and Post-learning (preparation and review)							
Students are expected to review what they have learned in their prior study before attending the practical training. Students should take notes (and pictures or movies when possible) on what they have learned on the day of the practical training and ask any questions at the next session.							
Evaluation Method (including evaluation criteria)							
<p>The overall evaluation will be 70% for class participation and 30% for presentations and reports.</p> <p>A certificate is issued by the zoo on completion of the practical training.</p>							
Textbook							
The original textbook will be distributed by the zoo and in the class.							
Reference Books, Teaching Materials, etc.							
Materials will be distributed in the classroom and on Moodle.							

Course	Special Seminar I				Practitioner teacher	Inst-ructor(s) YAMADA Fumiya MIYAI Sayaka
Course Period	1st year All year	Required subject 0.5 credit	Class format	lecture	Course Classification	Specialized Education [General Subject]
Objectives						
Through the school's founding spirit and the university's educational philosophy, the program aims to understand the history and current state of animal nursing and animal-human relations from multiple perspectives. In addition, through a variety of lectures, the program aims to help students acquire the basic skills required of university students, such as written expression, attitude toward learning, communication skills, and civility.						
Lecture Outline						
As students of the university, they will learn about a wide range of human-animal relationships based on the spirit of animal welfare, including the school's founding spirit and the university's educational philosophy. This will help students recognize the educational objectives of the Department of Veterinary Nursing and the Department of Animal Human Relations. In this course, which consists of the three pillars of the Self-Education Hour, Topics Hour, and Communication Hour, the objective is to provide first-year students with a foundation for the next four years.						
Lesson Plan						
<ol style="list-style-type: none"> 1 Orientation, first-year education: student life, attitude toward classes and practical training as a university student 2 [Education Hour 1] The history of the school and veterinary nursing 3 [Education Hour 2] The Spirit of Animal Protection and the Educational Philosophy of the University (Founder's Memorial Service) 4 [Education Hour 3] Yamazaki Animal Protection Symposium (Kizuna Festival) 5 [Topic Hour 1] Consumer Education 6 [Topic Hour 2] The Dangers of alcohol drinking and smoking 7 [Topic Hour 3] How to cope with stress 8 [Communication Hour] Training report, summary (review of the first year) 						
Feedback on Assignments (exams, reports, etc.)						
Feedback on the questions in the report will be given in the final summary.						
Course Notes						
This is a year-round course that meets irregularly, so please check the bulletin boards and other contact information. Class plans are subject to change due to adjustments in the speaker's schedule, etc.						
Contents of Prior and Post-learning (preparation and review)						
Prior to the lecture: Research related information according to the class plan using books, the Internet, etc. After: Students will compile a report by the due date on what they thought about the lecture, referring to the materials distributed in class and related books. The contents of the report will be reviewed in the summary session.						
Evaluation Method (including evaluation criteria)						
Judged comprehensively based on 50% on the content of the report and 50% on the level of participation in class. Evaluation criteria for the report: Whether or not the given issue is considered in depth based on the lecture content will be evaluated.						
Textbook						
Not specified. Materials will be distributed as necessary.						
Reference Books, Teaching Materials, etc.						
Notifications will be made in class and on the bulletin board as necessary.						

Course	Special Seminar II				Practitioner teacher	Inst-ructor(s) TSUCHIYA Emi AOYAMA Masashi
Course Period	2nd year, All year	Required subject 0.5 credit	Class format	lecture	Course Classification	Specialized Education [General Subject]
Objectives						
<p>The aim of this seminar is to expand knowledge of the environment surrounding animals and people involved with animals from various perspectives, students will gain an understanding of the domestic and international situation regarding climate change, changes in animal ecosystems due to globalization, and their serious effects on animals, animal protection necessary in times of disaster, and the environment surrounding animal care.</p>						
Lecture outline						
<p>This course is composed of four parts: the "Education Hour," the "Career Education Hour," the "Topics Hour," and the "Communication Hour. Students will acquire and expand their knowledge of various aspects of animals and the environment. For example, students will learn about the complex issues that arise in the work environment and natural environment between humans and animals, as well as develop stress tolerance as a professional. During Topic Hour, specialists active in society are invited to teach on the theme of "Animals and the Environment. As part of the Communication Hour, students will participate in a day trip to an aquarium as well as hands-on animal husbandry practice. The order of class plans is subject to change due to the schedule of speakers, etc.</p>						
Lesson plan						
<ol style="list-style-type: none"> 1 Orientation (Environment and Goals for Second-Year Veterinary Nursing Students) [Communication Hour 1]. 2 Environment for Veterinary Nurses (Qualifications and Accreditation of Certified Veterinary Nurses, etc.) [Career Education Hour 1]. 3 Stressful environments for veterinary nurses (1) [Career Education Hour 1]. 4 Animals and the Environment [Topic Hour 1]. 5 Education for life [own educational hour 2]. 6 Aiming to improve the environment for humans and animals [Topic Hour 2]. 7 Symbiosis between Humans and Animals [Topic Hour 3] (in Japanese) 8 Summary: Considering the Social Environment for Humans and Animals 						
Feedback on assignments (exams, reports, etc.)						
Provide explanations and feedback on assigned reports in class.						
Course Notes						
<p>The order and date of class plans may be subject to change depending on the results of adjustments to the speaker's schedule. Please check the class plan distributed at the first class. Also, please be sure to check the notice board for the distribution of reference materials, submission of assignments, and class announcements using Moodle.</p>						
Contents of prior and post-learning (preparation and review)						
<p>Pre-class study: Review the content of each class session. Post-lesson study: Deepen and consolidate the topics covered in class through reading and web searches.</p>						
Evaluation method (including evaluation criteria)						
The class will be judged comprehensively based on 50% participation and 50% assignment report (in the form of a notebook).						
Textbook						
None						
Reference books, teaching materials, etc.						
None						

Course	Special Seminar III				Practitioner teacher	Inst ructor(s) SUZUKI Tomoko MITSUI Kana
Course Period	3rd year All year	Required subject 0.5 credit	Class format	lecture	Course Classification	Specialized Education [General Subject]
Objectives						
By understanding the diverse relationships between animals and humans in society from different perspectives, students will gain an understanding of occupations that involve animals. The goal of this course is to develop an image of the future person as a veterinary nursing or other animal-related specialist, and to become a person who can give back to society.						
Lecture Outline						
This course consists of four areas: self-education, career education, topics, and communication. Under the theme of "Animals and Occupation," this course focuses on the relationship between companion animals and humans in Japanese society and deepens the knowledge of veterinary nursing and animal-human relations required in the field. Specialists in a variety of fields related to animals and society are invited to teach.						
Lesson Plan						
1 [Communication Hour] Orientation 2 [Education Hour] Qualifications and Status of Veterinary Nursing 3 [Topic Hour] Stress Management in Working Adults 4 [Topic Hour] Occupations in animal-related companies and animal hospitals 5 [Career Education Hour] The Role of Veterinary Nursing in Society1 6 [Career Education Hour] The Role of Veterinary Nursing in Society2 7 [Education Hour] Founder's Memorial Service 8 Summary(review)						
Feedback on Assignments (exams, reports, etc.)						
Check your notes and report submissions and give them feedback by returning them.						
Course Notes						
The class plan may be changed to adjust the speaker's schedule. Check the class plans, notices, and announcements distributed in the first class.						
Contents of Prior and Post-learning (preparation and review)						
Prior learning: Read the pages of the textbook related to the contents of each class session. Post-lesson study: Review the contents of the training materials and practical skills after each class.						
Evaluation Method (including evaluation criteria)						
Students will be evaluated comprehensively based on their participation in the class (60%) and submissions such as assignment reports (40%).						
Textbook						
None. Notification will be made on the bulletin board or in class as necessary.						
Reference Books, Teaching Materials, etc.						
None.						

Course	Special Seminar IV				Practitioner teacher	Inst-ructor(s) AKIYAMA Junko TOMONO Haruka
Course Period	4th year All year	Required subject 0.5 credit	Class format	lecture	Course Classification	Specialized Education [General Subject]
Objectives						
This course aims to master the diverse relationships between animals and humans in society to build a peaceful society where humans and animals coexist in harmony. The goal of this course is to acquire basic skills as a member of society before leaving for graduation.						
Lecture Outline						
Students will learn about the environment, professions, and society from the perspective of their relationship with animals, building on the broad basic knowledge they learned in Assembly Hour I-III. They will acquire in-depth knowledge appropriate for students in the Department of Animal Nursing and the Department of Animal and Human Relations. Students will learn how animals have been involved in the changes and development of Japan, the historical value of animals in building tradition and change, and cultivate rich humanity.						
Lesson Plan						
<ol style="list-style-type: none"> 1 A detailed lesson plan will be presented at the orientation and at the beginning of the class. 2 School-based Education Hour 1 History of the School and Animal Nursing (President's Lecture) 3 School-based Education Hour 2 Coexistence of Humans and Animals (Kizuna Festival Open Lecture) 4 School-based Education Hour 3 Graduation Haiku and Tanka 5 School-based Education Hour 4 Graduation Thesis Presentation 6 Career Education Hour 1 Animal-Related Occupations in Society 7 Career Education Hour 2 Social Manners 8 Career Education Hour 3 Communication for Working People 						
Feedback on Assignments (exams, reports, etc.)						
In class, I will explain the assignment report and give feedback.						
Course Notes						
This is a bi-weekly, year-round class, and the order and date of the class schedule may change depending on the results of adjustments to the speaker's schedule. Please check the class schedule distributed in the first class. This is a bi-weekly, year-round class, and the class schedule may change depending on adjustments to the speaker's schedule.						
Contents of Prior and Post-learning (preparation and review)						
<p>Prior to learning, Check the "Class Plan" posted on the bulletin board.</p> <p>Post-lesson study Students are expected to summarize the contents of the class as an assignment report, using the regimen and the board.</p>						
Evaluation Method (including evaluation criteria)						
Students will be evaluated comprehensively based on their participation in the class (50%) and submissions such as assignment reports (50%).						
Textbook						
PDF data will be provided. You can download and print out the materials as needed.						
Reference Books, Teaching Materials, etc.						
Reference books will be introduced during the lecture.						

Department of Animal
Health Technology
Specialized Courses

Course	Particular Theories of Veterinary Clinical Nursing I			Practitioner teacher	○	Inst-ructor(s)	ITO Naoyuki TANIGUCHI Akiko KIMURA Yuya
Course Period	3rd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
1. Understanding and dealing with signs and diseases 2. Typical signs 3. Typical diseases 1) Digestive and nutritional metabolic diseases 2) Skin diseases 3) Hematopoietic and immune-mediated diseases							
Lecture Outline							
To understand the pathophysiology of various diseases and learn the basic knowledge about the symptoms caused by them, necessary procedures and treatments. Understand what kind of nursing care should be provided to animals with various functional disorders and how to assess and intervene.							
Lesson Plan							Teacher in charge
1 Understanding and coping with signs and diseases 1							ITO
2 Understanding and coping with signs and diseases 2							ITO
3 Typical signs 1							TANIGUCHI
4 Typical signs 2							ITO
5 Typical signs 3							ITO
6 Hematopoietic and immune-mediated diseases 1							KIMURA
7 Hematopoietic and immune-mediated diseases 2							KIMURA
8 Hematopoietic and immune-mediated diseases 3							TANIGUCHI
9 Hematopoietic and immune-mediated diseases 4							KIMURA
10 Gastrointestinal, nutritional and metabolic diseases 1							TANIGUCHI
11 Gastrointestinal, nutritional and metabolic diseases 2							TANIGUCHI
12 Gastrointestinal, nutritional and metabolic diseases 3							TANIGUCHI
13 Gastrointestinal, nutritional and metabolic diseases 4							KIMURA
14 Skin diseases 1							ITO
15 Skin diseases 2							ITO
Feedback on Assignments (exams, reports, etc.)							
Comments will be returned on all reports. Answers and explanations will be provided for each quiz.							
Course Notes							
Review and prepare for each lecture by reading the textbook and reference books.							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Read the textbook and reference books carefully. After class: Review and summarize the handouts, textbook, and reference book in a notebook.							
Evaluation Method (including evaluation criteria)							
Periodic examinations (70%), reports, quizzes, and class participation (30%) will be taken into account in the overall evaluation.							
Textbook							
愛玩動物看護師カリキュラム準拠教科書 9 巻 動物臨床看護学総論 / 動物臨床看護学各論 (日本動物保健看護系大学協会 カリキュラム委員会編) エデュワードプレス 動物臨床に役立つやさしい免疫学 ファームプレス 講義内容に沿ったプリントを配布する。							
Reference Books, Teaching Materials, etc.							
ビジュアルで学ぶ動物看護学 (第2版) 緑書房 よく診る犬の疾患・猫の疾患 60 (鈴木立雄著) インターズー 疾患別 動物看護ハンドブック (日本獣医生命科学大学獣医保健看護学科 臨床部門編) インターズー							

Course	Particular Theories of Veterinary Clinical Nursing II				Practitioner teacher	○	Inst-ructor(s)	ITO Naoyuki TANIGUCHI Akiko KIMURA Yuya
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education		
Objectives								
1. Typical diseases 1) Cardiovascular diseases 2) Respiratory diseases 3) Urological diseases 4) Endocrine disorders 5) Reproductive organ diseases 6) Orthopedic diseases 7) Eye diseases 2. Nursing for cancer-bearing animals								
Lecture Outline								
This course provides a comprehensive overview of the pathology, clinical pathology, diagnosis, treatment, and nursing in a more specialized manner, building on the content taught in the third year.								
Lesson Plan								Teacher in charge
1 Cardiovascular disease 1 (congenital heart disease) 2 Cardiovascular disease 2 (acquired heart disease) 3 Endocrine disease 1 4 Endocrine disease 2 5 Reproductive diseases 6 Nursing for cancer-bearing animals 1 7 Nursing for cancer-bearing animals 2 8 Respiratory disease 1 9 Respiratory disease 2 10 Respiratory disease 3 11 Ocular diseases 12 Urological diseases 1 13 Urological diseases 2 14 Orthopedics 1 15 Orthopedics 2								KIMURA KIMURA TANIGUCHI TANIGUCHI KIMURA ITO ITO TANIGUCHI TANIGUCHI TANIGUCHI KIMURA ITO ITO KIMURA KIMURA
Feedback on Assignments (exams, reports, etc.)								
Assignments will be returned with comments. Answers and explanations will be provided for each quiz.								
Course Notes								
Students are expected to prepare for each lecture by reading the textbook and reference books.								
Contents of Prior and Post-learning (preparation and review)								
Prior study: Read the textbook and reference books carefully. After class: Review and summarize the handouts, textbook, and reference books in a notebook.								
Evaluation Method (including evaluation criteria)								
Periodic examinations (70%), reports, quizzes, and class participation (30%) will be taken into account in the overall evaluation.								
Textbook								
愛玩動物看護師カリキュラム準拠教科書 9 巻 動物臨床看護学総論 / 動物臨床看護学各論 (日本動物保健看護系大学協会 カリキュラム委員会編) エデュワードプレス Handouts based on the lecture content will be distributed.								
Reference Books, Teaching Materials, etc.								
ビジュアルで学ぶ動物看護学 (第2版) 緑書房 よく診る犬の疾患・猫の疾患 60 (鈴木立雄著) インターズー 疾患別 動物看護ハンドブック (日本獣医生命科学大学獣医保健看護学科 臨床部門編) インターズー								

Course	Particular Theories of Veterinary Clinical Nursing III			Practitioner teacher	○	Inst ructor(s)	SUZUKI Mitsuyuki TANIGUCHI Akiko MIYAI Sayaka
Course Period	4th year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
Understand the basic pathophysiology of neurological disorders and emergency disorders and be able to propose nursing care that should be provided. In addition, it is possible to grasp these pathological conditions based on the test results of various special tests.							
Lecture Outline							
In this course, students will understand the pathophysiology of various diseases and learn the symptoms caused by them, the necessary treatments and basic knowledge for their treatment. Also, students understand the evaluation of test data of animals with each dysfunction, what kind of nursing should be provided to the animals.							
Lesson Plan							Teacher in charge
1 Neurological disorder 1: Encephalitis, hydrocephalus, epilepsy							SUZUKI
2 Neurological disorder 2: Herniated disc, Wobbler Syndrome, degenerative spondylosis, cauda equina syndrome							SUZUKI
3 Emergency illness 1: Traffic accidents, electric shocks, burns, heat stroke							SUZUKI
4 Emergency illness 2: Poisoning, accidental ingestion, shock, anaphylaxis							SUZUKI
5 Nuclear medical examination: Basic principle and target diseases							SUZUKI
6 Microbiological examination: Bacteria							MIYAI
7 Microbiological examination: Fungi, viruses							MIYAI
8 Pathological / cytopathological examination: Special staining							MIYAI
9 Genetic examination and treatment: PCR and sequencing procedure							MIYAI
10 Animal clinical examination: Topics							MIYAI
11 Special examination of whole blood sample and nursing plan: hematocrit and Hb abnormality							TANIGUCHI
12 Special examination of blood cell and nursing plan: CBC abnormality and special staining							TANIGUCHI
13 Special examination of serum or plasma sample and nursing plan: isoenzyme analytical data							TANIGUCHI
14 Special examination of urine and nursing plan: urine sugar, sediment							TANIGUCHI
15 Special examination of other materials and nursing plan: saliva, fecal occult blood							TANIGUCHI
Feedback on Assignments (exams, reports, etc.)							
Each time, a quiz will be given on the content of the previous class, and each student will grade the answers to self-evaluate their level of achievement. The answer sheet for the quiz will be collected on the day, and the overall level of achievement will be announced next time.							
Course Notes							
Students should attend the lecture with understanding of the general examination outline that they have learned so far.							
Contents of Prior and Post-learning (preparation and review)							
Read the reference books related to the contents of each class in advance. Review the handouts to deepen your understanding.							
Evaluation Method (including evaluation criteria)							
A question-based examination (70%) and 30% for class participation will be used to evaluate the understanding of the measurement principles and clinical significance of each tests in animal clinical laboratories and the relationship between variations in test data and pathological conditions.							
Textbook							
None (use print).							
Reference Books, Teaching Materials, etc.							
Introduced as needed for each lesson.							

Course	Practice of Veterinary Clinical Nursing				Practitioner teacher	○	Inst-uctor(s)	ITO Naoyuki TANIGUCHI Akiko KIMURA Yuya
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	training	Course Classification	Specialized Education		
Objectives								
1. Practice of animal nursing process (case study exercise)								
1) Understand the individuality of the animal nursing approach through case studies								
2) Understand the effects of the living environment (including family) of nursing animals on their health.								
3) Understand the effects of symptoms, hospitalization and treatment on nursing animals and their families.								
4) Understand and be able to prioritize nursing problems of nursing animals.								
5) To be able to plan the contents and methods of assistance for nursing animals.								
6) To be able to prepare a veterinary nursing plan								
7) To be able to prepare veterinary nursing records								
2. Hospitalization and nutritional management								
1) To be able to manage and assess hospitalized animals								
2) To be able to clean and manage cages								
3) To be able to evaluate the degree of pain using a pain scale								
4) To be able to prepare for the placement of feeding tubes and prepare a liquid diet								
5) To be able to care for animals with bedsores (repositioning, etc.)								
Lecture Outline								
Acquire practical skills of knowledge learned in animal clinical nursing such as animal nursing process and disease specific nursing.								
Lesson Plan								Teacher in charge
1 Practice of animal nursing process								ITO
2 Case study: Nursing care of animals with infectious diseases								KIMURA
3 Case study: Nursing care of animals with cardiovascular diseases								TANIGUCHI
4 Case study: Nursing care of elderly animals								ITO
5 Case study: Rehabilitation and nursing								KIMURA
6 Case study: Nursing care of animals with sensory organ diseases								ITO
7 Case study: Nursing care of animals with tumor diseases								TANIGUCHI
8 Case study: Nursing care of animals with neurological diseases								TANIGUCHI
9 Case study: Nursing care of an animal with hematopoietic disease								KIMURA
10 Case Study: Nursing care of animals with respiratory diseases								TANIGUCHI
11 Case study: Nursing care of animals with endocrine disorders								KIMURA
12 Case study: Nursing care of animals with skin diseases								ITO
13 Case study: Nursing care of animals with urological diseases								ITO
14 Case study: Nursing care of animals with surgical diseases								KIMURA
15 Case study: Nursing care of animals with digestive system diseases								TANIGUCHI
Feedback on Assignments (exams, reports, etc.)								
Assignment reports will be given for each lecture, and will be returned with comments.								
Course Notes								
Students are required to review the handouts and textbooks of the first, second, and third years (first semester).								
Contents of Prior and Post-learning (preparation and review)								
Prior learning: Read carefully the handouts and reference books of the first, second, and third years (first semester). After class: Read the handouts, textbook, and reference books at the time of the lecture and summarize them in a notebook.								
Evaluation Method (including evaluation criteria)								
Periodic examinations (70%), reports, quizzes, and class participation (30%) will be taken into account in the overall evaluation.								
Textbook								
疾患別 動物看護学ハンドブック (日本獣医生命科学大学獣医保健学科臨床部門 編著) 緑書房								
Reference Books, Teaching Materials, etc.								
Materials will be distributed according to the lecture content. Reference books will be introduced in the lecture.								

Course	Equipment Theory for Veterinary Medicine				Practitioner teacher	Inst-ructor(s)	SUZUKI Tomoko
Course Period	3rd year 1st semester	Required subject 1 credit	Class format	lecture	Course Classification	Specialized Education	
Objectives							
Equipments for veterinary medicine are becoming increasingly sophisticated. It is necessary for veterinary nurses to understand the principles of various equipments and to learn how to use them							
Lecture Outline							
In this course, students study the main equipment used in veterinary medicine using specific examples of equipment on campus. And, students will learn a series of tasks, including preparation before use, basic operation, and cleanup after use. Then, It will also be considered the role of veterinary nurses in handling equipment.							
Lesson Plan							
1 Equipment for Veterinary Medicine 2 Equipment for sterilization and disinfection 3 Thermometers and blood pressure monitors 4 Equipment related to circulatory and respiratory organs 5 Monitoring equipment 6 Surgical Instruments 7 Ultrasound scan 8 Endoscopes							
Feedback on Assignments (exams, reports, etc.)							
Comment back on the issues							
Course Notes							
Be careful when handling medical equipment and accessories.							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Read the textbook and other materials related to the class content. After class: Review class materials and take notes.							
Evaluation Method (including evaluation criteria)							
Participation in class (80%), Short exams, Reports,etc. (20%) overall evaluation							
Textbook							
基礎と臨床がつながるバイタルサイン 藤野智子 学研							
Reference Books, Teaching Materials, etc.							
Distribution of materials							

Course	Veterinary Oral Care				Practitioner teacher	Inst ructor(s)	SUZUKI Tomoko
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
To acquire knowledge of oral care provided in veterinary medicine from the perspective of preventive dentistry in animals.							
Lecture Outline							
Learn about the form and function of the animal's oral cavity, and study oral diseases in dogs and cats. Lectures on methods of oral care in veterinary medicine, including the types, preparation, and use of instruments and equipment related to the treatment and prevention of periodontal disease. Also consider the role of veterinary nurses in animal oral care.							
Lesson Plan							
<ol style="list-style-type: none"> 1 The role of the veterinary nurse in animal oral care 2 Form and function of the oral cavity and teeth of animals 3 Tooth tissue structure 4 Periodontal tissue 5 Comparative dentistry in animals and humans 6 Dental and oral diseases in animals 7 Animal dental care and preventive dental procedures 8 Animal dentistry and dental biomaterials 9 Periodontal disease (gingivitis and periodontitis) 10 Types and methods of animal oral care 11 Instruments and equipment used for scaling 12 Scaling techniques and procedures 13 Toothbrush and Brushing 14 The importance of animal oral care 15 Conclusion 							
Feedback on Assignments (exams, reports, etc.)							
Comment back on the issues							
Course Notes							
Attend lectures with a thorough understanding of the structure (morphology, histology) and function (physiology) of the oral cavity.							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Read the materials related to the class content. After class: Review class materials and take notes.							
Evaluation Method (including evaluation criteria)							
Participation in class (80%), Short exams, Reports , etc. (20%) overall evaluation							
Textbook							
None							
Reference Books, Teaching Materials, etc.							
Distribution of materials							

Course	Practice of Veterinary Oral Care				Practitioner teacher	Inst-ructor(s)	SUZUKI Tomoko
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	training	Course Classification	Specialized Education	
Objectives							
To acquire knowledge and practical skills of oral care in veterinary medicine on preventive dentistry in animals							
Lecture Outline							
Learn about Preparation, use, cleanup, and maintenance of instruments and equipment related to the treatment and prevention of periodontal diseases in cats and dogs Practice oral care in veterinary medicine, learning techniques and procedures. Consider owner guidance on oral care.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Orientation 2 Observation of dentition and jawbone in dogs and cats 3 Observation of the dentition and jawbone of rabbits, mice, and other animals 4 Oral Care in Humans 5 Comparison of oral care products 6 Types and methods of oral care 7 Oral Care Practice 8 Structure and use of manual scalers 9 Structure and use of ultrasonic scaler 10 Professional Mechanical Tooth Cleaning (PMTTC) 11 Periodontal disease prevention techniques and procedures 12 Maintenance of instruments and equipment used for dental treatment 13 Comprehensive training 14 Practical test 15 Conclusion 							
Feedback on Assignments (exams, reports, etc.)							
Comment back on the issues							
Course Notes							
It is desirable for students to have taken "Veterinary Oral Care"							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Review "Veterinary Oral Care" regarding the contents of the next practical training. After class: summarize the contents of the practical training in a practical training notebook.							
Evaluation Method (including evaluation criteria)							
Participation in class (60%), Practical examination (40%) overall evaluation							
Textbook							
None							
Reference Books, Teaching Materials, etc.							
Distribution of materials							

Course	Animal Biochemistry				Practitioner teacher	Inst ructor(s)	NAGASHIMA Takayuki
Course Period	3rd years 1st semester	Electives 2credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>Biochemistry is closely related to chemistry, nutrition, and physiology and so on. It is the study of life phenomena based on chemistry. The animal organism is composed of various macromolecules, each of which interacts independently or interactively to perform physiological functions. It is essential to understand the structure and function of biological substances in animals. The goal of biochemistry in the field of Veterinary Nursing is to acquire the knowledge to understand the universal laws of life phenomena at the tissue, cell, and even molecular level.</p>							
Lecture Outline							
<p>We need to understand the various biological systems that run the organism and its basic unit, the cell. This course will focus on the metabolism of carbohydrates, lipids, proteins, amino acids, and nucleic acids. In this lecture, we will learn the nature of enzymes, which catalyze reactions focusing on carbohydrate metabolism, lipid metabolism, protein amino acid metabolism, and nucleic acid metabolism. We will also learn about the structure and biological functions of peptides, proteins, and nucleic acids synthesized based on genetic information.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Orientation (how lectures are conducted, how they are evaluated, how they relate to other subjects, etc.) and lecture goals, outline, etc 2 Eucaryotic Cell structure, cell membrane, cell nucleus, mitochondria, endoplasmic reticulum, cytoskeleton 3 The composition of living organisms and nutrition/digestion 4 Amino acids and proteins. Composition and structure 5 Characteristics of carbohydrates, metabolism 6 Nucleic acid structure, flow of genetic information 7 The wonders we see in animals are survival strategies 8 Ant pheromone strategy, etc 9 Maggot wound healing function, etc. 10 Blood-sucking strategies of the giant water bug, etc. 11 Solar power generation strategy of the oriental hornet, etc. 12 GFP (green fluorescent protein) of the <i>Aequorea victoria</i> jellyfish, etc 13 Dormant (Cryptobiosis) Strategies of the Japanese Lobster, etc. 14 The finest coffee produced by civets, etc. 15 Summary 							
Feedback on Assignments (exams, reports, etc.)							
Exams, quizzes, and explanations of questions will be given in class for feedback.							
Course Notes							
<p>Students are expected to review basic knowledge of chemistry and biology. It is recommended that students choose Basic Biochemistry (1st year), and keep an eye on Moodle as it will be used to post and distribute class reference materials.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning "Before the course, read the relevant sections of the textbook to deepen your understanding. The post-learning "Keep lecture notes on the lecture content, and use the assignments during the lecture to ask questions.</p>							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on 40 % normal points (including quizzes) and 60 % final exam.							
Textbook							
生化学 th3 rd edition edited by Masaru Sonoda, 羊土社							
Reference Books, Teaching Materials, etc.							
獣医生化学 文洋堂出版, 大学生物学の教科書第3巻生化学・分子生物学新書(Life: The Science of Biology by Sadava David <i>et al.</i>) Blue Backs, はじめての生化学 三共出版(in Japanese)							

Course	Veterinary Infectious Diseases II				Practitioner teacher	Inst-ructor(s)	UMEMURA Takashi
Course Period	3rd year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
In addition to knowing what microorganisms are and the characteristics of bacteria, fungi, viruses, etc., students will the origins of infections caused by pathogenic microorganisms and what measures are actually taken to prevent various infectious diseases to connect Students will also learn about disinfection and sterilization methods that are important in clinical practice and will consider the role of veterinary nurses in microbial control.							
Lecture Outline							
Microbiology is a discipline necessary for understanding the scientific basis of medical treatment in various clinical situations of veterinary care. This lecture will explain the basic characteristics of bacteria, fungi, protozoa, and viruses and deepen our understanding of what infection is. In addition, immunotherapy, disinfection and sterilization methods to prevent infection will be explained. The class will be based on the textbook, with reference books added as necessary.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction. 2 What are microorganisms (location of microorganisms in the biological world, what are pathogenic microorganisms) 3 Infection and onset (course of infection, types of infections) 4 Origin of infection (source of infection, route of infection, ability to protect against infection) 5 Bacteria ①Bacterial properties and structure (size of bacteria, basic structure of bacteria, special structure of bacteria) 6 Bacteria②Bacterial observation and growth (staining methods, bacterial nutrients, bacterial culture) 7 Bacteria③Classification of bacteria (Gram-positive cocci and rods, Gram-negative cocci and rods, others) 8 Fungus (morphology of fungi, growth patterns of fungi, classification of fungi) 9 Viruses 1) Viral properties (morphology and structure of viruses, classification of viruses, multiplication of viruses) 10 Viruses 1) Viral properties (morphology and structure of viruses, classification of viruses, multiplication of viruses) 11 Viruses (2) Methods of preventing viral infections (vaccines) 12 Chemotherapy, infectious diseases in various animals (antibacterial agents, drug resistance, infectious diseases in dogs, cats, birds, rabbits and monkeys) 13 Cleaning, disinfection, and sterilization (disinfection methods, types and characteristics of disinfectants, sterilization methods, nosocomial infection and countermeasures) 14 Diagnosis of infectious diseases (isolation and identification of pathogenic microorganisms, serum immunology diagnosis) 15 Prevention and control of infectious diseases 							
Feedback on Assignments (exams, reports, etc.)							
he evaluation criteria for the submitted reports will be explained at a later date.							
Course Notes							
Students should understand the position of bacteria and viruses in the biological world, their ecology, and morphological characteristics before the lecture on microbiology. In addition, since microbiology is based on biology, physiology, biochemistry, and immunology, students should take courses up to the second year.							
Contents of Prior and Post-learning (preparation and review)							
Please refer to the syllabus to gather basic knowledge in advance. Compile notes based on the materials presented in class, and use the library to build on your knowledge.							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on class participation (20%), regular exam (60%), and report submission (20%)							
Textbook							
Compliance with the Standard Curriculum for Animal Nursing Education Specialties Animal Microbiology and Animal Infectious Diseases Eduward Press							
Reference Books, Teaching Materials, etc.							
eterinary Microbiology, 2nd Edition, Supervised by Byo Mikami, Bunyodo Publishing Co.							

Course	Small Animal Clinical Nutrition				Practitioner teacher	Inst- ructor(s)	MATSUI Shosaku ARAKAWA Maki
Course Period	2nd year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>This lecture course is a continuation of “small animal nutrition”. Clinical nutrition is the study of nutrition to prevention and treatment of animals with disease.</p> <p>In order to become professional veterinary nurses, they will learn practical clinical nutrition and dietary management through this course. They will get knowledge about relations between diseases and nutrition, evaluation of food contents, how to select optimum diet for a specific animal with disease and force-feeding methods including enteral and per-enteral feeding.</p>							
Lecture Outline							
<p>Based on the “small animal nutrition” course, they will get more detailed information about clinical nutrition. They will learn the relation between diseases and nutrition. Then they will get information about characteristics of nutritional formula of each therapeutic food for each disease so that they can use commercially available therapeutic diets practically. They also learn how to feed food effectively, including enteral and intravenous feeding, to manage animals with certain disease.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 General information 1 ;Basic Nutrition review, nutrition and disease, and regulation about commercially available pet foods. 2 General information 2; Differences between dogs and cats about nutrients requirements, energy requirement and feeding amount, Life-stage nutrition. 3 Disease and Nutrition 1; Chronic Kidney Disease (renal disease) and dietary management 4 Disease and Nutrition 2-1 ; Canine Urolithiasis and dietary management 5 Disease and Nutrition 2-2 ; Feline Lower Urinary Tract disease (Urolithiasis and FIC) and dietary management 6 Disease and Nutrition 3 ; Cardio vascular disease and dietary management 7 Disease and Nutrition 4 ; Gastrointestinal disease and dietary management (including pancreatitis and EPI) 8 Disease and Nutrition 5 ; Liver disease and dietary management 9 Disease and Nutrition 6-1 ; Importance of optimum weight, BCS and weight loss 10 Disease and Nutrition 6-2 ; Adverse effects caused by obesity, Diabetes, and dietary management 11 Disease and Nutrition 7 ; Adverse reaction to food, food allergy and dietary management 12 Disease and Nutrition 8 ; Oral health, Periodontal disease and dietary management 13 Disease and Nutrition 9 ; Other disorders (Cancer Cachexia, Osteoarthritis) and dietary management 14 Per-enteral feeding; Force-feeding (including enteral feeding), Per-enteral feeding (intravenous feeding). 15 Others; Home-made diets and important points to be noted to prepare home-made diet. 							
Feedback on Assignments (exams, reports, etc.)							
<p>This course will have a test at the regular examination timing. Feedbacks to students will be performed directly by reporting the results of the exam. If some students fail to achieve the prescribed grade, they will be requested to take test again to reach the grade, and/or make a report about a certain subject.</p>							
Course Notes							
<p>To understand this lecture course, basic knowledge of nutrition is required. Therefore it is recommended that all students who take this course should have acquired credits through “small animal nutrition” course.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Students should read textbook before and after each class.</p> <p>Prior study: Read the textbook carefully in advance and confirm its contents.</p> <p>After class: Read the textbook again and ask questions if you have any. In some cases, a quiz will be given.</p>							
Evaluation Method (including evaluation criteria)							
<p>The overall evaluation will be based on exams (70%) and class participation including quizzes (30%). When online classes are mixed in, the percentage will be determined and evaluated by taking into account the attendance and performance on the quiz in addition to the classroom exam.</p>							
Textbook							
<p>日本動物保健看護系大学協会カリキュラム委員会. 2022. 愛玩動物看護師カリキュラム準拠教科書 8巻 動物栄養学/動物外科看護学/動物医療コミュニケーション. エデュワードプレス. 9784866711621</p>							
Reference Books, Teaching Materials, etc.							
<p>阿部又信・大島誠之助. 2019. ベーシック 小動物栄養学. ファームプレス. 9784863821057</p> <p>動物看護コアテキスト編集委員会. 2022. 動物看護コアテキスト第3版. 第2巻 基礎動物学 II. ファームプレス 9784863821224</p> <p>日本ペット栄養学会. 2020. ペット栄養管理学テキストブック. アドスリー. 9784904419526</p>							

Course	Veterinary Nursing of Exotic Animals				Practitioner teacher	Inst- ructor(s)	TSURUNO Shinkichi
Course Period	4th year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
As a veterinary nurse, the goal is to acquire a broad knowledge of exotic animals (mammals, birds, and reptiles), including their ecology, characteristics, and diseases. Only after the students are equipped with knowledge will they be able to perform practical nursing care.							
Lecture outline							
This course will explain the ecology, characteristics, and diseases necessary in the nursing of exotic animals. This can only be done after mastering the ecology and characteristics of each animal, which are different from those of dogs and cats. Knowledge of animal-specific diseases will also be explained so that students can practice nursing in actual situations.							
Lesson plan							
1 Exotic Animals in General (first half) 2 Exotic Animals in General (Second Half) 3 Hamsters 4 Ferret 5 Rabbits (first half) 6 Rabbits (second half) 7 Guinea pigs 8 Chinchillas 9 Degu 10 Hedgehogs 11 Owl-monkey 12 Tortoise (first half) 13 Tortoise (second half) 14 Lizards 15 Amphibians							
Feedback on Assignments (exams, reports, etc.)							
Question and answer session via e-mail							
Course Notes							
None							
Contents of Prior and Post-learning (preparation and review)							
Preparation: Students are required to prepare for the next class and understand the meaning of technical terms, etc. Post-lesson study: Read the relevant textbooks as if you were not in each class session.							
Evaluation Method (including evaluation criteria)							
50% for regular examinations, 50% for class participation							
Textbook							
<i>Color Atlas of Exotic Animals: Mammals</i> , 3rd ed. (Authors: Shinkichi Huono, Makoto Yokosuka), (Publisher: Midori-shobo)							
Reference books, Teaching Materials, etc.							
<i>Color Atlas of Exotic Animals: Birds</i> <i>Birds - Species, Ecology, Breeding, Diseases</i> - (Author: Shinkichi Huono), (Publisher: Midori-shobo) <i>Color Atlas of Exotic Animals: Reptiles and Amphibians</i> (Author: Shinkichi Huono, Tomoaki Nakata), (Publisher: Midori Shobo) <i>Basics of Rabbits JCRA Book Kindle Edition</i> (Author: Shinkichi Huono), (Publisher: YIL Publishing Co., Ltd.) <i>Rabbit Medicine</i> (Author: Shinkichi HuoNo), (Publisher: Midori Shobo)							

Course	Veterinary Medical Communication				Practitioner teacher	Inst ructor(s)	TOMONO Haruka
Course Period	4th year 1st semester	Required subject 1 credit	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>1. Client education</p> <p>1) Understand proper breeding and provide the owner with the information necessary for animal health management.</p> <p>2) Understand how animals and their owners build good relationships</p> <p>3) Understand appropriate preventive measures for diseases (vaccination, filaria prevention, flea / tick prevention, dental prevention, castration / sterilization, etc.)</p> <p>4) Understand communication skills in home nursing, etc.</p> <p>2. In-hospital communication</p> <p>1) Understand informed consent, which mainly provides guidance to owners.</p> <p>2) Understand the veterinary interview process (introduction, approval, question, listening, summarization, confirmation, termination, etc.)</p> <p>3) Understand communication skills (reporting, contact, consultation) related to team veterinary medicine</p> <p>3. In-hospital work</p> <p>1) Understand the reception work (medical reception, telephone correspondence, settlement, trouble handling, etc.)</p> <p>2) Understand the purchase and management of goods</p> <p>3) Understand pet insurance</p>							
Lecture Outline							
Understand the basics of prior interviews, explanation of the condition of hospitalized animals, and communication with other staff in the hospital.							
Lesson Plan							
<p>1 Team Veterinary Medicine (Reporting)</p> <p>2 Team veterinary care (communication and consultation)</p> <p>3 Veterinary interview process (introduction, approval, questions)</p> <p>4 Veterinary interview process (listening, summarizing, confirming, closing)</p> <p>5 Informed Consent</p> <p>6 Client education</p> <p>7 Reception, purchase and management of supplies, pet insurance</p> <p>8 Summary (written exam), general comments</p>							
Feedback on Assignments (exams, reports, etc.)							
An end-of-class quiz will be administered or assignments will be given at the end of each class. Feedback will be given the following week.							
Course Notes							
Exchange opinions and role-play as exercises. Understand the veterinary nursing that you have learned so far, as the main focus is on communication at a veterinary clinic.							
Contents of Prior and Post-learning (preparation and review)							
Pre-class: Read materials related to the content of the class. Post-class: Review handouts and lecture content.							
Evaluation Method (including evaluation criteria)							
Evaluation will be based on participation in in-class discussions and role-playing (40%), assignments and quizzes in each class session (20%), and a written exam (40%).							
Textbook							
nothing special							
Reference Books, Teaching Materials, etc.							
I will introduce it in the exercises.							

Course	An Introduction to Medical Rehabilitation				Practitioner teacher	Inst- ructor(s)	TEZUKA Junichi
Course Period	3rd year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
Acquire basic concepts such as rehabilitation concept, content and method (medical, social, occupational, educational), rehabilitation-related law, rehabilitation-related occupation, team medical care, rehabilitation flow, community health and welfare.							
Lecture Outline							
The goal of this lecture is to understand the philosophy and purpose of rehabilitation, to understand disabilities, and to learn how to approach each rehabilitation approach. In order to provide care aimed at "whole human rehabilitation" to persons with disabilities and the elderly, we will learn understanding of disabilities (including disabilities associated with aging) and evaluation of disabilities, as well as physical therapy and occupational therapy. Learn about the theory and practice of rehabilitation centered on. In addition, you will learn about the mechanism and movement characteristics of the human body that are familiar to animals, and how disorders occur.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Concept and history of rehabilitation 2 Target of rehabilitation, various stages of rehabilitation 3 Disability theory (Disability is international disease classification, international disability classification, international classification of functioning, etc.) 4 Disuse theory (disuse syndrome, misuse syndrome, overuse syndrome, etc.) 5 Persons with disabilities and psychology (psychology of persons with disabilities, defense mechanism, process of acceptance of disabilities) 6 ADL and QOL (Classification, Evaluation and Outcomes) 7 Rehabilitation-related occupations and team medical care 8 Medical rehabilitation (1) Physical therapy, occupational therapy, speech therapy, etc. 9 Medical rehabilitation (2) Prosthetic limbs / orthotics, wheelchairs, walking aids, rehabilitation equipment 10 Educational, professional and social rehabilitation 11 Mechanism of the human body and rehabilitation (Bones and muscles) 12 Mechanism of the human body and rehabilitation (walking and running) 13 Mechanism of the human body and rehabilitation (Sports) 14 Mechanism of the human body and rehabilitation (Stiff shoulders, sports injuries) 15 Practical physical therapy for animals 							
Feedback on Assignments (exams, reports, etc.)							
Q & A and supplementary commentary by email							
Course Notes							
It is possible to take the course without any prior knowledge, but I would like you to be as interested as possible. I expect independent learning so that I can have my own view of rehabilitation.							
Contents of Prior and Post-learning (preparation and review)							
Since the content related to rehabilitation and health and welfare is closely related to the social situation, it is necessary to always keep in mind to collect information in news, newspapers, etc.							
Evaluation Method (including evaluation criteria)							
ratio of class participation (20%) and Final Report(80%)							
Textbook							
Do not use.							
Reference Books, Teaching Materials, etc.							
It will be introduced as appropriate during the lecture.							

Course	Veterinary Rehabilitation and Physical Therapy				Practitioner teacher	○	Inst- ructor(s)	INOUE Rumi
Course Period	4th year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education		
Objectives								
Animal rehabilitation has become a growing concern in veterinary medicine in recent years, and expectations have been placed on the role of veterinary nurses as practitioners. In addition, with the aging of domestic animals, improving the QOL (quality of life) of animals is becoming more important.								
Lecture Outline								
Students will learn how to handle animals in rehabilitation properly and how to use various exercise equipment that is effectively restoring function, and will explore and develop the possibilities of the various roles of veterinary nurses in rehabilitation in small animal clinical practice.								
Lesson Plan								
<ol style="list-style-type: none"> 1 Introduction to Animal Rehabilitation 2 Evaluation (1) (various inspections) 3 Evaluation (2) (range of motion measurement method, etc.) 4 Manual therapy (massage, stretching, etc.) 5 therapeutic exercise 6 Hydrotherapy (UWT, etc.) 7 physical therapy 8 electrotherapy 9 complementary therapy 10 Application of physical therapy 1) (prosthetic devices, performance optimization, etc.) 11 Application of physical therapy 2) (obesity, old age, etc.) 12 Application of physical therapy 3) (pain, arthritis, etc.) 13 Creating a treatment plan 14 Animal Rehabilitation in Practice 15 Summary and review 								
Feedback on Assignments (exams, reports, etc.)								
Questions will be accepted later								
Course Notes								
Take attendance at every session.								
Contents of Prior and Post-learning (preparation and review)								
Post-lesson study: Introduction to literature related to the content of each class session.								
Evaluation Method (including evaluation criteria)								
The overall evaluation will be based on class participation (50%) and examinations, reports, etc. (50%)								
Textbook								
Not specified								
Reference Books, Teaching Materials, etc.								
Canine Rehabilitation" -BASIC LEVEL- HELEN NICHOLSON (Educational Support Co., Ltd.)								

Course	Practice of Comprehensive Veterinary Nursing				Practitioner teacher	○	Inst ructor(s)	IMAMURA Shin-ichiro FRITZ KIKKAWA Aya ARAKAWA Maki TOMONO Haruka
Course Period	3rd year All semester	Required subject 2 credits	Class format	training	Course Classification	Specialized Education		
Objectives								
Understanding, experience and practice of veterinary nursing work.								
Lecture Outline								
Participate in medical services at an actual veterinary hospital and integrate what you have learned so far. Understand the outline and functions of medical facilities, cooperation with veterinarians, communication with owners, roles and responsibilities as a veterinary nurse, and acquire practical skills.								
Lesson Plan								
1 1st semester: Orientation for pre-practice training								
2 Pre-practice (by on-demand), including report writing after returning home								
3 Pre-class 1: Pre-practice commentary								
4 Pre-class 2: Technical lecture (1) retention method, preventive vaccine, medication, etc								
5 Pre-class 3: Animal behavior for clinical practice								
6 Pre-class 4: Lecture by the director of an animal hospital								
7 Pre-class 5: Training hospital introduction and decision								
8 Pre-class 6: Technical lecture (2) surgical instruments, echo examination, surgical video, etc								
9 Pre-class 7: Technical lecture (3) fecal examination, blood test, cytological examination, etc								
10 Pre-class 8: How to write a resume, how to write a thank-you letter								
11 Pre-class 9: Communication to participate in team veterinary medicine								
12 Pre-class10:Summary, Knowledge and precautions in practical training, Document distribution								
13 Hospital practice: One week of hospital training (including writing reports and assignment reports after returning home)								
14 2nd semester: Post-class 1: Group workshop								
15 Post-class 2: Report and summary of workshop results								
Feedback on Assignments (exams, reports, etc.)								
In the first post-class, the students will exchange information about their experiences at each hospital, and in the second post-class, they will summarize their overall experiences and present from the hospitals for the students' future use.								
Course Notes								
Attend all classes before and after the course. The detailed scheduled and time will be posted as soon as possible, so please check the information.								
Contents of Prior and Post-learning (preparation and review)								
Since the lecture's theme is decided in the former class, students must review what they have learned up to that point. Students will be asked to summarize the content of the day's training during the practice training period after returning home.								
Evaluation Method (including evaluation criteria)								
The overall evaluation will be 30% participation in the pre-class and post-class, 30% on the veterinary practice evaluation sheet, and 40% on the practice report.								
Textbook								
Distribute materials as needed.								
Reference Books, Teaching Materials, etc.								
臨床動物看護学・各論、臨床検査学、動物行動学、動物医療コミュニケーション、 EDUWARD Press								

Course	Companion Animal Science				Practitioner teacher	Inst ructor(s)	FUKUYAMA Takaaki KOJIMA Atsushi MIYASHITA Megumi
Course Period	3rd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
1. History and Breeds 1) Understand the history of dogs and cats and the historical and cultural background of the development of their representative breeds. 2) Understand the history of pet birds and the historical and cultural background of the development of their representative breeds. 3) Understand the history of exotic animals and the historical and cultural background of the development of their representative breeds. 4) Understand pedigrees, pedigree documents, and pedigree management. 2. Working Animals 1) Understand the types of working animals (dogs and other animals) and the tasks they perform. 3. Care and Management of Pet Animals 1) Understand the appropriate care and management methods for small animals. 2) Understand the appropriate care environment and stress relief methods							
Lecture Outline							
The lecture will be divided into three parts: dogs, cats, and birds. In addition to the origin, evolution, and classification of each animal species, morphological functions and major diseases are also explained. It also explains the cultural aspects behind the creation of companion animals and the social mechanisms for maintaining and managing them.							
Lesson Plan							Teacher in charge
1 Evolution and classification of birds							MIYASHITA
2 Bird bone anatomy and disease its nursing							MIYASHITA
3 Anatomy and disease of the digestive system of birds							MIYASHITA
4 Respiratory and urinary anatomy and diseases of birds and their nursing							MIYASHITA
5 Anatomy and disease of bird breeders and their nursing							KOJIMA
6 Origin / evolution / classification of cats							KOJIMA
7 External form of cat Cat breed pigment							KOJIMA
8 External morphology of cats Long and short hair							KOJIMA
9 Cat breeding							KOJIMA
10 Cat disease							MIYASHITA
11 Origin, evolution and classification of dogs							FUKUYAMA
12 Dog coat color and size							FUKUYAMA
13 Dog sensory ability and work							FUKUYAMA
14 Morphological characteristics present in dog breeds.							FUKUYAMA
15 Dog breeds and registered organizations							FUKUYAMA
Feedback on Assignments (exams, reports, etc.)							
We will explain and comment on the issues as appropriate.							
Course Notes							
Classes for dog, cat, and bird breed names, which are often bred in Japan, will be held on the premise of preparation.							
Contents of Prior and Post-learning (preparation and review)							
Pre-study "Read the materials related to the contents of each lesson" Post-study "Reviewing the lesson content after each lesson"							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation based on class participation / learning attitude (25%) and assignments (75%).							
Textbook							
『小鳥図鑑』 誠文堂新光社 『コンパニオンバードの病気百科』 誠文堂新光社 『猫の教科書』 ペットライフ社							
Reference Books, Teaching Materials, etc.							
Distribute materials in class							

Course	Animal Geriatrics Technology				Practitioner teacher	Inst- ructor(s)	ITO Naoyuki
Course Period	4th year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
With the progress of veterinary medicine and changes in the lifestyles of humans and animals, the lifespan of cats and dogs has increased dramatically, but at the same time, various problems have arisen in older animals. Therefore, it is important to be able to understand the physical changes that occur in dogs and cats as they age, and to be able to explain whether these changes are physiological or pathological. To be able to explain the methods of health management, disease treatment and nursing. To understand the necessity of maintaining and improving the quality of life (QOL) of elderly animals, which leads to disease prevention, and to be able to educate owners of elderly animals. To be able to provide proactive preventive nursing care for elderly animals.							
Lecture Outline							
This lecture will define what an aged animal is, explain the understanding of aged animals and the circumstances surrounding them, and provide a lecture on the changes in each organ of the body that occur with aging, accurate knowledge of these changes, and the necessary nursing care to deal with them. Grief care will be lectured.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Circumstances surrounding older animals 2 Nursing care of elderly animals and cardiovascular disease 3 Nursing care of elderly animals and respiratory diseases 4 Elderly animals and dental diseases 5 Nursing care of elderly animals and digestive and endocrine disorders 6 Elderly animals and motor neurone disease nursing 7 Elderly animals and cognitive disorders nursing 8 Elderly animals and tumor disease nursing 9 Nursing care of elderly animals and skin diseases (guest Speaker) 10 Nursing care of elderly animals and ophthalmic diseases (guest Speaker) 11 Postoperative management and rehabilitation in elderly animals 12 Elderly animals and infectious disease control 13 Nursing care of elderly animals and urological diseases 14 Dietary management and alternative medicine for elderly animals 15 Summary (prevention) and final issue (grief care) 							
Feedback on Assignments (exams, reports, etc.)							
The quiz will be collected and the answers will be explained immediately. Alternatively, reports will be returned with comments.							
Course Notes							
It is desirable that students have completed and earned credits for clinical animal nursing (lectures and practical training in internal medicine and surgery) that they have studied for the past three years. As these courses are based on the above, students are expected to prepare for the related courses before attending each lecture. Students are also expected to listen to the latest information on elderly animals in newspapers and the news, and pay attention to the social environment and animal-human care issues.							
Contents of Prior and Post-learning (preparation and review)							
Prior learning: Read the previous lecture materials and textbook related to each lecture content. Post-lecture review: Review the handouts and textbook to confirm your knowledge.							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on class participation (including submission of reports) and quiz (40%), and regular exam (60%).							
Textbook							
Materials appropriate to the lecture content will be distributed.							
Reference Books, Teaching Materials, etc.							
<ol style="list-style-type: none"> 1) 犬と猫におけるリハビリテーション、支持療法および緩和療法（監修 長谷川篤彦、学窓社）. 2) 高齢動物の医学（監訳 長谷川篤彦、インターズー）. 3) 犬と猫の老齢医学（監訳 丸尾幸嗣、インターズー）. 4) 疾患別 動物看護学ハンドブック（緑書房）. 5) 対応策がわかるハイシニアケア、インターズー 							

Course	Home Care and Home-visit Animal Nursing Care			Practitioner teacher	Inst-ructor(s)	ITO Naoyuki MITSUI Kana TOMONO Haruka
Course Period	4th year 2nd Semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education
Objectives						
Recent developments in veterinary medicine have dramatically increased the lifespan of dogs and cats, thanks to the widespread use of high-quality diets, advances in preventive medicine, and increased awareness of disease among pet owners. As a result, diseased animals, especially older diseased animals, often require continuous nursing and care at home after treatment at the hospital. Therefore, in the first half of the course, students will understand the knowledge accumulated through home nursing care for humans. Based on the information obtained from human home nursing care, students will be able to understand and list the problems that can be expected in home animal care from the 5th session and learn how to deal with them. In the 13th to 15th sessions, students will be able to understand the veterinary medical interview method.						
Lecture Outline						
It is most desirable for animals to be kept in their own homes and near their owners. In this lecture, the methodology of home nursing (home visit, home nursing) that has been cultivated in humans will be discussed. Next, based on this, the role of home nursing for animals and nursing methods at home will be lectured. In the 13th, 14th, and 15th lecture, the animal medical interview method will be explained and practice will be conducted.						
Lesson Plan						Teacher in charge
1 Home and visiting nursing in veterinary medicine (from human home nursing)						ITO
2 Preparations for home nursing						ITO
3 Preventing problems in home visit and in-home nursing care (grasping problems from human cases)						ITO
4 What is home nursing in humans (guest speaker)						ITO
5 Necessity and issues of home animal nursing						ITO
6 Owner support in home animal nursing (support and coordination at the time of hospital discharge)						TOMONO
7 Owner support in in-home animal nursing (safety measures and infection prevention)						TOMONO
8 Emergency response, environmental improvement and medical equipment in home veterinary care						TOMONO
9 In-home animal nursing and animal nursing techniques (guest speaker)						TOMONO
10 In-home animal nursing and animal nursing techniques (guest speaker)						TOMONO
11 Techniques to assist in home animal care						MITSUI
12 In-home animal nursing and the terminal phase (in order to protect animal welfare)						MITSUI
13 Home animal nursing and ethical issues and veterinary medical interviews						MITSUI
14 Veterinary medical interview for home and visiting animal nursing						MITSUI
15 Veterinary medical interview for home/visit nursing (practice)						MITSUI
Feedback on Assignments (exams, reports, etc.)						
Quizzes will be collected and answered immediately afterwards. Reports will be returned with comments.						
Course Notes						
It is desirable that students have completed and received credit for lectures and practical training in animal nursing (internal medicine, surgery, and general). It is important to pay attention to various magazines, newspapers, TV and other media on a daily basis to develop an eye for thinking about the surrounding social environment and information on human and animal nursing.						
Contents of Prior and Post-learning (preparation and review)						
Prior learning: After the lecture, there will be a warning about the next lecture, so each student should prepare for it.						
Post-lecture study: Students are expected to submit reports on time.						
Evaluation Method (including evaluation criteria)						
Overall evaluation will be based on class participation (including reports), quizzes (40%), and the results of regular examinations (60%).						
Textbook						
The textbook is not specified. Handouts will be distributed each time.						
Reference Books, Teaching Materials, etc.						
1) 家族看護を基盤として在宅看護論 I (第4版, 日本看護協会出版会) 2) 在宅看護 (改訂第2版) (学研) 3) 犬と猫におけるリハビリテーション、支持療法および緩和療法 (学窓社) 4) 臨床動物看護学 1 動物医療コミュニケーション, 認定動物看護師教育コアカリキュラム 2019(インターズー) 5) 1年目に身に付ける社会人マナー&接遇スキル 50 (インターズー)						

Department of
Human Animal Relations
Specialized Courses

Course	Human-Animal Interaction				Practitioner teacher	Inst-uctor(s) ANDO Takatoshi
Course Period	2nd year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education
Objectives						
<p>The goal of this class is for students to grasp the changing "human-animal relationship" from multiple and comprehensive perspectives and be able to envision, propose, and explain desirable human-animal relationship. Specifically, students will be able to (1) explain the human-animal relationship, (2) discuss the desirable human-animal relationship, and (3) explain the social responsibility and sense of ethics that humans should have toward animals.</p>						
Lecture Outline						
<p>Amidst the recent "pet boom," the way we look at animals such as dogs and cats has changed from the traditional "pets" to "companion animals" that are essential members of the family. This course aims to provide students with a deep understanding of how human-animal relationship affect human life quality and enable them to envision desirable human-animal relationship. The lectures will focus on essential and up-to-date topics related to human-animal relationships.</p>						
Lesson Plan						
<ol style="list-style-type: none"> 1 What is "human-animal relationship studies"? 2 Pets in the society: Pet ownership status 3 The elderly and animals [Notice of mini report 1] 4 Children and animals 5 An attempt at animal assisted education 6 Assistance dogs for the physically challenged (1): Guide dogs for the blind [Notice of mini report 2] 7 A new approach in zoos: Behavioral exhibits 8 Cost of keeping pets 9 Housing to live with pets: For apartment buildings [Notice of mini report 3] 10 Community cat initiatives 11 Assistance dogs for the physically challenged (2): Service dogs and hearing dogs [Notice of semester report] 12 Pet loss and how to deal with it 13 The Japanese perspectives on animal 14 Research trends in human-animal relationship studies 15 Class summary 						
Feedback on Assignments (exams, reports, etc.)						
<p>Questions about class content will be answered in the next class.</p>						
Course Notes						
<p>The class will be conducted using a variety of materials (including video materials). Students will be asked to submit comments and questions on the lectures and materials each time.</p>						
Contents of Prior and Post-learning (preparation and review)						
<p>Please read the textbook and check related websites in advance to understand the themes of the class. Students should research and organize the essential keywords explained in class, including any additional information.</p>						
Evaluation Method (including evaluation criteria)						
<p>Grades evaluation will be based on a distribution of 50% for comments and questions submitted each time, 30% for 3 mini reports, and 20% for a semester report.</p>						
Textbook						
<p>ペットと生きるーペットと人の心理学、安藤・種市・金児（訳）、北大路書房</p>						
Reference Books, Teaching Materials, etc.						
<p>動物がくれるカー教育、福祉、そして人生、大塚敦子著、岩波書店</p>						

Course	Social Welfare				Practitioner teacher	Inst- ructor(s) ANDO Takatoshi YAMAKAWA Itsuko
Course Period	3rd year 1st semester	Elective 2 credits	Class format	lecture	Course Classification	Specialized Education
Objectives						
To learn about the diverse needs of modern society and understand how our daily lives are related to social welfare. In an aging society with a declining birthrate, the relationship between humans and animals has become closer, and while companion animals provide various benefits, problems involving both humans and animals occur frequently in various aspects of society. The goal of this course is to understand what is needed to solve these problems from the viewpoint of Veterinary Social Work and to aim for One Welfare, a society where people and animals live together in harmony.						
Lecture outline						
Based on the philosophy, history, and basic concepts of social welfare, understand how our daily lives are connected to social welfare. To consider the role of animals in the stages of human life and the function of animals from the aspect of welfare in today's aging society with a declining birthrate. To learn what is needed to build a society where human welfare and animal welfare coexist and where people and animals can live together in harmony.						
Lesson plan						Teacher in charge
1 Orientation: Class outline, etc., What is social welfare?						ANDO, YAMAKAWA
2 Basic Concepts of Social Welfare and Social Security						YAMAKAWA
3 Social Security						YAMAKAWA
4 Elderly Welfare I						ANDO
5 Elderly Welfare II						ANDO
6 Dementia Supporter Training Course						ANDO
7 Current Status of Elderly Care						ANDO
8 Welfare of the Disabled						YAMAKAWA
9 Child and Family Welfare						YAMAKAWA
10 Social Work and Veterinary Social Work (Animal Medical Social Work)						YAMAKAWA
11 Veterinary Social Work: Animal Related Grief and Bereavement (Pet Loss)						ANDO
12 Animal Health Social Work: Improper Care and Animal Hoarding						ANDO
13 Animal Medical Social Work: The Link between Human and Animal Violence						YAMAKAWA
14 Animal Health Social Work: Compassion Fatigue and Conflict Management						YAMAKAWA
15 Class summary: Human-animal symbiotic society, One Welfare, Summary test						YAMAKAWA
Feedback on assignments (exams, reports, etc.)						
As feedback, comment on in-class reaction papers and reports.						
Course Notes						
Students are expected to participate actively in class, including in discussions. Students will be required to write a reaction paper for each class, so they should be able to express their own opinions about the class content in writing.						
Contents of prior and post-learning (preparation and review)						
As a pre-class, students will gather information on the topic of each class. As a post-class, a reaction paper or report will be submitted for each class.						
Evaluation method (including evaluation criteria)						
Overall evaluation based on reaction papers (60%) and in-class assignments (40%).						
Textbook						
None						
Reference books, teaching materials, etc.						
『よくわかる社会福祉第11版』 ミネルヴァ書房 『知りたい! 考えてみたい! どうぶつとの暮らし』 駿河台出版						

Course	Clinical Psychology				Practitioner teacher	Inst ructor(s)	KATO Rie
Course Period	3rd year 1st semester	Elective 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
This course covers specific psychopathology and psychological problems of modern adolescents such as depression, anxiety disorders, Hikikomori, eating disorders, etc. Students will learn about various psychological problems that people experience in their lives. In addition, the course aims to deepen students' understanding of how to solve problems and what kind of care is needed in such situations, and to help them acquire the attitude necessary to take care of their own minds and those of others close to them, as well as the knowledge to deal with stress effectively.							
Lecture Outline							
In this lecture, we will take up typical psychopathology, emotional disorders, anxiety disorders, developmental disorders, schizophrenia, etc. as psychological problems in modern adolescence, and discuss various mental problems that humans experience in their lives. Furthermore groups and individuals will conduct research and presentations to deepen their understanding of how to solve problems and what kind of care is required.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Supporting the Human Mind - What is Clinical Psychology? 2 What is Mental Health, Abnormal and Normal? 3 Presentation and discussion on psychological issues and pathologies I: Developmental disorders 4 Presentation and discussion on psychological issues and pathology II: Mood disorders 5 Presentation and discussion on psychological issues and pathologies III: Crisis intervention 6 Issues and Pathologies of the Mind: Worldviews of Personality Disorders in Adolescence and Young Adulthood I 7 Issues and Pathologies of the Mind: Worldviews of Personality Disorders in Adolescence and Young Adulthood II 8 Presentation and discussion on mental issues and pathologies IV: Various personality disorders 9 Presentation and discussion on psychological issues and pathology V: Schizophrenia 10 Issues and Pathologies of the Mind: Worldview in Schizophrenia I 11 Issues and Pathologies of the Mind: Worldview in Schizophrenia II 12 Presentation and discussion of psychological issues and pathologies VI: Neuroses 13 Be more yourself and have better relationships. 14 Attitude as an aid worker Relationships in the field 15 summary 							
Feedback on Assignments (exams, reports, etc.)							
Oral comments on presentations, reports, and assignments will be given as feedback.							
Course Notes							
Since this class will mainly consist of group presentations, each group will need to do some work outside of class in preparation for their presentations. In addition, there will be worksheet preparation and submission of small reports. In class, students are expected to make presentations, speak, work, and submit worksheets. Students are expected to participate in class actively.							
Contents of Prior and Post-learning (preparation and review)							
Prior study: "Do some research on topics related to the content of each class session. After class: "After each class, understand and organize the important keywords in the handouts.							
Evaluation Method (including evaluation criteria)							
Evaluation method: 70% of the students' attitude and motivation to participate in class presentations and discussions, 30% of the students' attitude and motivation to participate in class presentations and discussions.							
Textbook							
None in particular							
Reference Books, Teaching Materials, etc.							
Reference books will be introduced during the lecture. Audio-visual equipment such as videos will be used							

Course	Communication				Practitioner teacher	Inst-ructor(s)	KATO Rie
Course Period	3rd year 2nd semester	Required subject 1 credit	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>The word communication is often used in daily life, and the importance of communication in various situations such as work, school, and home has been pointed out. On the other hand, as communication is widespread, fast, and mass-produced, various problems have arisen. In this lecture, we will learn how to communicate effectively and appropriately with ourselves and other important people, and we will be able to utilize it in our daily lives and society.</p>							
Lecture Outline							
<p>The first thing we need to do to communicate smoothly with others is to have a dialogue with ourselves. We need to face ourselves and understand ourselves more deeply. In the first half of this lecture, students will learn how to face themselves, understand their strengths and weaknesses, and how to deal with their emotions using a positive psychology approach. In the second half, students will learn practical communication skills with others that will be useful in society by utilizing their own communication styles.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Guidance 2 Learn about well-being 3 Know your strengths. 4 Training to leverage your strengths 5 Learn about non-verbal communication and the power of facial expressions 6 Learn the difference between listening and hearing, and about Active Listening. 7 Resilience Training I (Learn about the mechanisms of cognition, thought, and emotion) 8 Summary on integrated communication with oneself and others 							
Feedback on Assignments (exams, reports, etc.)							
Feedback on presentations and assignments will be given orally and on paper as appropriate.							
Course Notes							
<p>In addition to lectures, many assignments will be given in class. Students are expected to actively participate in the assignments.</p> <p>Wear comfortable clothing and shoes. Students are expected to be in contact with each other (holding hands, placing hands on shoulders, etc.). Students are also expected to participate in post-work discussions and submit a small report after each work session. Furthermore, students are expected to actively participate in group presentations.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior study: Research important keywords for each theme. After-school learning: Do the assignments that will be taught each time.</p>							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on class participation and motivation (80%) and assignment notes (20%)							
Textbook							
None in particular							
Reference Books, Teaching Materials, etc.							
Reference books will be introduced during the lecture. Audio-visual equipment such as videos will be used							

Course	Theory of Animal Assisted Therapy			Practitioner teacher	Inst-ructor(s)	YAMAZAKI Kaoru AKIYAMA Junko YAMAZAKI Keiko
Course Period	3rd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education
Objectives						
This course aims to understand the basic theory and practice of animal-assisted interventions (animal-assisted therapy, activities, and education) based on the bond between humans and animals. Specifically, students will explain the apparent effects that animals have on people's physical and mental health. In addition, students will be able to explain effective ways to interact with and practice animals.						
Lecture Outline						
The effects of contact and interaction with animals are utilized in human medical care, welfare, and education. In this lecture, we will explain the significance and current status of animal-assisted intervention, and introduce related research on the characteristics of animals and the effects they have on humans. In addition, the lecture will explain how to effectively implement a subject-specific animal intervention program.						
Lesson plan						Teacher in charge
1 The definition and history of animal assisted therapy						AKIYAMA Junko
2 The history of domestication of dogs, cats, and horses						AKIYAMA Junko
3 The effects of animals on human health						AKIYAMA Junko
4 Animal-assisted interventions for a variety of subjects						AKIYAMA Junko
5 Equine therapy and dolphin-assisted therapy						AKIYAMA Junko
6 Animal selection in AAI program						AKIYAMA Junko
7 Risk management in AAI program						AKIYAMA Junko
8 Volunteers in AAI program						AKIYAMA Junko
9 Medicine and animals (guest speaker)						AKIYAMA Junko
10 Appropriate care of animals in animal-assisted therapy						YAMAZAKI Kaoru
11 Overview of animal-assisted interventions-1						YAMAZAKI Keiko
12 Overview of animal-assisted interventions-2						YAMAZAKI Keiko
13 Animal-assisted education and animal welfare education						YAMAZAKI Keiko
14 Elderly and animals						YAMAZAKI Keiko
15 Summary and final exam						AKIYAMA Junko
Feedback on Assignments (exams, reports, etc.)						
Conduct quizzes and confirmation tests and explain the answers. Give direct or overall feedback to the question.						
Course Notes						
Explain the precautions for taking the course in the first lecture. Please be careful about the guidance such as class guidance and material distribution in Moodle.						
Contents of Prior and Post-learning (preparation and review)						
Prior class: Read related books and materials according to the lesson plan.						
Post-class: Review the handouts and the lecture notes, and summarize the main points.						
Evaluation Method (including evaluation criteria)						
Normal points (question and answer in class and participation in learning) 30%, quizzes 10%, and final exams 60% for overall evaluation.						
Textbook						
Not specified						
Reference Books, Teaching Materials, etc.						
『認定動物看護師教育コアカリキュラム 2019 準拠 応用動物看護学 1 動物看護学概論/人間動物関係学/動物福祉・倫理』インターズー						
『知りたい！やってみたい！アニマルセラピー』川添 敏弘・堀井 隆行・山川 伊津子・赤羽根 和恵、駿河台出版社						
Other books will be discussed in class.						

Course	Practice of Animal Assisted Therapy- Student Laboratory				Practitioner teacher	Inst ructor(s)	AKIYAMA Junko
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	training	Course Classification	Specialized Education	
Objectives							
The goal is to gain a deeper understanding of what has been learned in "Theory of Animal Assisted Therapy" and to acquire the ability to practice in society while applying a wide range of specialized knowledge about animal-mediated activities. Specifically, it can be explained by considering the effects of intervening animals on humans and their characteristics through practical training. Acquire the knowledge and skills required as volunteers and handlers in practical activities of animal-assisted intervention.							
Lecture Outline							
This course provides practical training to acquire the knowledge and skills that those involved in practicing animal-assisted interventions such as Animal Assisted Therapy (AAT) and Animal Assisted Activity (AAA). Students will examine the theories and case studies learned in "Theory of Animal Assisted Therapy" and practice to deepen their understanding of the practice through practical skills such as volunteer techniques and handling service animals in the field.							
Lesson plan							
<ol style="list-style-type: none"> 1 Class explanation / Introduction of Animal-Assisted Intervention (AAI) 2 Characteristics of therapy animals 3 Assessment of health effects and animal characteristics-1:dog 4 Assessment of health effects and animal characteristics-2:horse 5 Assessment of health effects and animal characteristics-3:other animals 6 Understanding of program participants (children, the elderly, various diseases) 7 Program planning, animal selection and precautions 8 AAI program planning and practice-1 9 AAI program planning and practice-2 10 AAI program planning and practice-3 11 Horse riding practice at Hachioji Riding School 12 Aptitude evaluation of animals (dogs) participating in AAI 13 Visit training of AAA at the private residential home 14 Preliminary presentation of final project 15 Presentation of final project 							
Feedback on Assignments (exams, reports, etc.)							
As feedback, return comments on reaction papers and reports in class.							
Course Notes							
Please check the information on Moodle as there are changes in the training and timetable outside the university. It is desirable to have earned credits for " Theory of Animal Assisted Therapy "							
Contents of Prior and Post-learning (preparation and review)							
Prior class: Read related books and materials according to the lesson plan. Post-class: Required to submit a reaction paper or report for each class session.							
Evaluation Method (including evaluation criteria)							
Normal points (question and answer in class and participation in discussion) 40%, report 30%, and final project 30% for overall evaluation.							
Textbook							
Not specified							
Reference Books, Teaching Materials, etc.							
『認定動物看護師教育コアカリキュラム 2019 準拠 応用動物看護学 1 動物看護学概論/人間動物関係学/動物福祉・倫理』インターズー 『知りたい！やってみたい！アニマルセラピー』川添 敏弘・堀井 隆行・山川 伊津子・赤羽根 和恵、駿河台出版社 Other books will be discussed in class.							

Course	Theory of Assistance Dog				Practitioner teacher	Inst-uctor(s)	AKIYAMA Junko
Course Period	3rd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
The objective of this course is to provide students with basic knowledge of assistance dogs for the physically disabled (assistance dogs), which are trained to promote the independence and social participation of people with disabilities, as well as an understanding of the current status and challenges of promoting assistance dogs in Japan. Specifically, the student will explain the role of assistance dogs in society and the position of assistance dogs in the Act on Assistance Dogs for Physically Disabled Persons. In addition, they will be able to express their ideas in concrete terms about the measures necessary to promote assistance dogs in society.							
Lecture Outline							
This course provides basic and specialized knowledge about assistance dogs for the disabled, which are trained to promote independence and social participation of people with disabilities. The history of assistance dogs, the Act on Assistance Dogs for Physically Disabled Persons, assistance dog users, and the importance of the relationship between dogs and people will be explained. In addition, through practical examples of training and interaction with users by assistance dog breeding groups and rehabilitation medicine specialists, problems in the popularization of assistance dogs in Japan will be explained.							
Lesson plan							
<ol style="list-style-type: none"> 1 Introduction of Assistance Dog 2 Definition and history of assistance dogs 3 Assistance dogs in Japan and comparison with Europe and the United States 4 Benefits of assistance dogs and their effects on human health 5 Origin and significance of the Act on Assistance Dogs for Physically Disabled Persons 6 Animal welfare of assistance dogs 7 Health management of assistance dog 8 Current status and issues of assistance dog training 9 Current status and issues of independence and social participation of people with disabilities 10 Rehabilitation medicine and assistance dogs (guest speaker) 11 Mobility service dogs (guest speaker) 12 Guide dogs (guest speaker) 13 Hearing dogs (guest speaker) 14 Prospects for assistance dogs in Japan 15 Summary and final exam 							
Feedback on Assignments (exams, reports, etc.)							
Conduct quizzes and confirmation tests and explain the answers. Give direct or overall feedback to the question.							
Course Notes							
Explain the precautions for taking the course in the first lecture. Please be careful about the guidance such as class guidance and material distribution in Moodle.							
Contents of Prior and Post-learning (preparation and review)							
Prior class: Read related books and materials according to the lesson plan. Post-class: Review the handouts and the lecture notes, and summarize the main points.							
Evaluation Method (including evaluation criteria)							
Normal points (question and answer in class and participation in learning) 30%, quizzes 10%, and final exams 60% for overall evaluation.							
Textbook							
Not specified							
Reference Books, Teaching Materials, etc.							
『認定動物看護師教育コアカリキュラム 2019 準拠 応用動物看護学 1 動物看護学概論/人間動物関係学/動物福祉・倫理』インターズー 「介助犬を知る」高柳哲也（編）、名古屋大学出版会 Other books will be discussed in class.							

Course	Companion Animal Breeding and Their Resources				Practitioner teacher	Inst-ructor(s)	MURAKAMI Takahiro
Course Period	3rd year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
This course provides genetic knowledge of companion animals and breeding. The final goal of this course is to understand the processes that companion animals artificially evolved from original wildlife species.							
Lecture Outline							
Students will learn quantitative genetics and qualitative genetics for understanding breeding methods, such as artificial selection or genetic progress. In addition, this course will introduce major companion animals; dogs, cats, lagomorphs, rodents, mustelids, birds, reptiles, and amphibians. The processes of breeding those companion animals will be explained by comparing with original or related species.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Genetics, breeding and evolution; Fundamental knowledge for understanding this lecture 2 Dogs(1); Original and related species 3 Dogs(2); History with humans 4 Dogs(3); Genetics of dog breeds 5 Mustelids; Original species and breeds of ferret and otter 6 Cats(1); Original and related species 7 Cats(2); History with humans 8 Cats(3); Genetics of cat breeds 9 Squirrels and Lagomorphs; Wild squirrels, lagomorphs and related species 10 Rats and mice; Wild species and related species 11 Horse as a companion animal 12 Reptile as a companion animal 13 Cage birds(1); Original and related species, History with humans 14 Cage birds(2); Genetics of bird breeds 15 Summary of companion animal breeding and their resources 							
Feedback on Assignments (exams, reports, etc.)							
A quiz will be given in each class, and explanations, responses and comments of the quiz will be given at the following class.							
Course Notes							
It is recommended to note down essential parts of each lecture							
Contents of Prior and Post-learning (preparation and review)							
<p>Prior learning: Before each class, check the points of the theme.</p> <p>Post-lesson study: After each class, students should review essential parts of the lecture and the quiz</p>							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on regular examinations(50%) and quizzes(50%)							
Textbook							
The textbook is not specified. Documents for each lecture will be distributed.							
Reference Books, Teaching Materials, etc.							
動物看護師教育コアカリキュラム 2019 準拠・応用動物看護学 3, 動物行動学・伴侶動物学・産業動物学・実験動物学・野生動物学, 株式会社インターズー.							

Course	Practice of Companion Animal Behavior				Practitioner teacher	Inst- ructor(s)	HORII Takayuki
Course Period	3rd year 2nd semester	Elective 1 credit	Class format	exercises	Course Classification	Specialized Education	
Objectives							
To read various information from the behavior of companion animals (mainly dogs and cats), it is necessary to master behavioral observation and behavioral analysis methods. In this course, we will focus on practical observation and analysis methods rather than research methods to acquire skills that will enable us to make accurate judgments about behavior in situations where we actually handle companion animals (especially when dealing with problem behaviors).							
Lecture Outline							
This course will explain research methods and practical methods for behavioral observation and analysis and practice behavioral observation and analysis using videos and living organisms. In addition, we will examine the intentions of problem behaviors of dogs and cats in various situations based on various factors, such as the surrounding environmental stimuli and the state of the animal. Through discussions, we will practice independently and practically how to deal with problem behaviors.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction to Behavioral Observation and Research 2 Practical Behavioral Observation and Analysis Methods 3 Canine and Feline Body Language 4 Practical Behavioral Observation and Analysis Exercise 1: Observe and discuss body language using video 5 Practical Behavioral Observation and Analysis Exercise 2: Observe and discuss body language using animal 6 Problem Behaviors Management: Fundamentals of problem behaviors management, counseling, consultation. 7 Problem Behaviors Management Exercise 1: Problems related to walking with people. 8 Problem Behaviors Management Exercise 2: Pica and coprophagy. 9 Problem Behaviors Management Exercise 3: Problems related to activity 10 Practice Communicating with Dogs: Accurate communication methods 11 Problem Behaviors Management Exercise 4: Problems related to chewing and biting 12 Problem Behaviors Management Exercise 5: Problems related to chewing and biting 13 Problem Behaviors Management Exercise 6: Problems related to fear and anxiety 14 Problem Behaviors Management Exercise 7: Problems related to fear and anxiety 15 Problem Behaviors Management Exercise 8: Problems related to elimination 							
Feedback on Assignments (exams, reports, etc.)							
I will accept questions about the assignment by email or orally at any time. After that, individual questions are feedback individually, and overall questions are feedback to the whole.							
Course Notes							
Check your Moodle and email for class announcements and materials distributed via Moodle.							
Contents of Prior and Post-learning (preparation and review)							
Students are expected to read the contents of the textbook related to each class in advance. After the class, students are expected to summarize the contents based on the textbook and handouts.							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on assignment report (50%) and class participation (50%).							
Textbook							
『認定動物看護師教育コアカリキュラム 2019 準拠 応用動物看護学 3 動物行動学/伴侶動物学/産業動物学/実験動物学/野生動物学』日本動物保健看護系大学協会 カリキュラム委員会 編 インターズー							
Reference Books, Teaching Materials, etc.							
『動物行動図説 家畜・伴侶動物・展示動物』佐藤衆介・近藤誠司・田中智夫 他 編 朝倉書店 『知りたい！考えてみたい！どうぶつとの暮らし』川添敏弘 監著 山川伊津子・堀井隆行・橋本直幸 著 駿河台出版社 The teaching materials include slides created with Microsoft Power Point, videos for observation, and living organisms.							

Course	Companion Dog Training Theory				Practitioner teacher	Inst-ructor(s)	HORII Takayuki
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
Even dogs, which are called "best friends" of humans, can be a threat to human life if they are raised incorrectly, and dogs themselves can become unhappy. Therefore, the purpose of this lecture is to learn appropriate training theory for raising companion dogs that are accepted by human society and to deepen their understanding so that they can be used in actual dog training (including explaining to the owner).							
Lecture Outline							
In order to understand dog training scientifically, we will learn about the characteristics of dogs as animal species (ethology), learning theory, and behavioral modification methods. You will learn not only the theory for teaching behavioral reactions such as "Sit", but also the theory for proper handling and communication. In addition, you will learn the theory of dog training from various aspects such as the theory of setting the living environment of dogs and the theory of not using compulsory methods such as corporal punishment from the viewpoint of animal welfare.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Learning and Behavior: Principles of Behavior 2 History of Dog Domestication 3 Respondent (Classical) Conditioning 4 Operant Conditioning: Contingency in Reinforcement 5 Operant Conditioning: Contingency in Punishment 6 Generalization and Discrimination of stimulus: Discriminative Stimulus and Stimulus Control 7 Shaping of new behavior: Shaping, Prompting, Fading and Chaining etc. 8 Choice of behavioral consequence: Types of Reinforcers and Punishers, Distinguish from Prompt, Extinction 9 Building relationships with dogs: Leadership, Handling and Communication 10 Environmental Enrichment and Behavior Modification: Importance of setting the living environment 11 Puppy Training 1: House (Excretion) Training, Crate Training 12 Puppy Training 2: Socialization (including Desensitization) 13 Puppy Training 3: Handling of Chewing, Biting and Attention-seeking behavior 14 Puppy Training 4: Training of walking with people 15 The pitfalls of theory: Possibility of improper application of theory 							
Feedback on Assignments (exams, reports, etc.)							
I will accept questions about the assignment by email or orally at any time. After that, individual questions are feedback individually, and overall questions are feedback to the whole.							
Course Notes							
Check your Moodle and email for class announcements and materials distributed via Moodle.							
Contents of Prior and Post-learning (preparation and review)							
Students are expected to read the contents of the textbook related to each class in advance. After the class, students are expected to summarize the contents based on the textbook and handouts.							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on regular exam (70%) and class participation (30%).							
Textbook							
『知りたい！考えてみたい！どうぶつとの暮らし』川添敏弘 監著 山川伊津子・堀井隆行・橋本直幸 著 駿河台出版社							
Reference Books, Teaching Materials, etc.							
『メイザーの学習と行動』J. E. メイザー 著 二瓶社 『行動変容法入門』R. G. ミルテンバーガー 著 二瓶社 『行動分析学』坂上貴之・井上雅彦 著 有斐閣アルマ 『イヌの動物行動学』A. ミクローシ 著 東海大学出版部 『イヌの博物図鑑』A. ミクローシ 著 原書房 Other information will be introduced as needed.							

Course	Practical Training of Companion Dog				Practitioner teacher	Inst-ructor(s)	HORII Takayuki
Course Period	4th year 1st semester	Electives 2 credits	Class format	training	Course Classification	Specialized Education	
Objectives							
Practice dog handling and training based on the knowledge gained in "Companion Dog Training Theory". The goal is to acquire the skills to handle dogs properly, the skills of basic training approaches, and the communication skills necessary to support the owner.							
Lecture Outline							
In this training, you will practice how to use dog training tools, communication with dogs, handling of dogs, observation and recording of dog behavior, conditioning of conditioned reinforcer, shaping of basic behavior using operant conditioning, crate training, extinction, habituation method and counter-conditioning, control of environmental conditions, analysis of dog behavior and explanation to others and consideration for animal welfare.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Orientation, Dog handling technique 1: How to use dog training tools, putting in and out of the crate 2 Dog handling technique 2: How to handle leads, communication with dogs 3 How to use the food: Use as Unconditioned stimulus / Reinforcer / Prompt, Preference of food 4 Shaping (Operant Conditioning) 1: Training of walking with people (including eye contact) 5 Shaping (Operant Conditioning) 2: Recall 6 Shaping (Operant Conditioning) 3: Siting, Lying, Waiting 7 Shaping (Operant Conditioning) 4: Behavioral control by strict cues (Stimulus Control) 8 Crate Training and Environmental Setting 9 Extinction: Reinforcement and Extinction of behavior 10 Application of Respondent Conditioning: Habituation method and Counter-Conditioning 11 Observation and analysis of dog behavior and explanation to others 12 Shaping (Operant Conditioning) 5: Trick (Chaining) 13 Consideration for Animal Welfare 1: Comparative understanding to avoid using compulsory methods 14 Consideration for Animal Welfare 2: Nose work that has a positive effect on dogs (odor search work) 15 Summary and off-lead training experience 							
Feedback on Assignments (exams, reports, etc.)							
I will accept questions about the assignment by email or orally at any time. After that, individual questions are feedback individually, and overall questions are feedback to the whole.							
Course Notes							
<p>It is desirable to have earned credits for "Companion Dog Training Theory".</p> <p>Check your Moodle and email for class announcements and materials distributed via Moodle.</p> <p>The content of the training may be different from the lesson plan, but in that case, we will announce it.</p> <p>Get dressed properly for handling dogs.</p> <p>At the time of training, always pay attention to the behavior management of the dogs and the setting of the environment, and try to reduce the stress of the dogs.</p>							
Contents of Prior and Post-learning (preparation and review)							
Check what you have learned in the companion dog training theory related to each lesson. Also, after class, record and summarize what you experienced.							
Evaluation Method (including evaluation criteria)							
Overall evaluation based on practical skills and assignments (70%) and class participation (30%).							
Textbook							
None in particular. Handouts will be distributed as needed.							
Reference Books, Teaching Materials, etc.							
『知りたい！考えてみたい！どうぶつとの暮らし』川添敏弘 監著 山川伊津子・堀井隆行・橋本直幸 著 駿河台出版社							
Other information will be introduced as needed.							

Course	Characteristics of Domestic Dogs Domestic Cats				Practitioner teacher	Inst- ructor(s)	NAGASHIMA Takayuki FUKUYAMA Takaaki TSUCHIYA Emi HAYATA Yukiko
Course Period	3rd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
The goal of this lecture is to comprehensively study the various morphologies, abilities, and behavioral characteristics of dog breeds, and to understand the diversity of the dog organism. In addition, the goal is to understand how humans make use of these characteristics in human society, and to learn the welfare considerations necessary for dogs. Understand the habits and characteristics of cats and promote better communication. Many students aim to be fascinated and healed by cats by studying adorable creatures that are prospering in modern society while leaving deep wild blood. Acquire the standard (examination standard) of each purebred cat breed.							
Lecture Outline							
It explains the characteristics of various breeds of dogs and cats, shows the origin and development, the characteristics of cultural areas with fixed breeds and their views on animals, and lectures on essential knowledge for animal nurses.							
Lesson Plan							Teacher in charge
1 Origin, evolution and classification of dogs							FUKUYAMA
2 Characteristics of dog breeds History and role of dog shows and registered organizations 1.							NAGASHIMA
3 Dog breed characteristics Proper breeding management 2.							NAGASHIMA
4 Features and roles of head shape and precursor structure.							FUKUYAMA
5 Characteristics and roles of the middle and posterior skeleton configurations 3.							NAGASHIMA
6 DOG SHOW Commentary							TSUCHIYA
7 Risk Management of Canine in the Pet Industry							FUKUYAMA
8 Glossary of dog terms used in the pet industry							FUKUYAMA
9 Dog sensory organs and their abilities							NAGASHIMA
10 Origin / evolution / classification of cats							HAYATA
11 External morphology of cats Cat breed and body composition							HAYATA
12 External form of cat pigment and coat							HAYATA
13 Respiratory and circulatory diseases in cats							HAYATA
14 Diseases of the cat's urinary and endocrine systems							HAYATA
15 Cat breeder / breeding							HAYATA
Feedback on Assignments (exams, reports, etc.)							
We will explain and comment on the issues as appropriate.							
Course Notes							
Classes for dog, cat, and bird breed names, which are often bred in Japan, will be held on the premise of preparation.							
Contents of Prior and Post-learning (preparation and review)							
Pre-study "Read the materials related to the contents of each lesson"							
Post-study "Reviewing the lesson content after each lesson"							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation based on class participation / learning attitude (25%) and assignments (75%).							
Textbook							
None							
Reference Books, Teaching Materials, etc.							
『イラストでみる猫学』 講談社 『猫の教科書』 ペットライフ社							

Course	Characteristical Theory of Exotic Animals				Practitioner teacher	Inst ructor(s)	TSURUNO Shinkichi
Course Period	3rd year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
The goal of the course is to provide students with a broad knowledge of exotic animals (mammals, reptiles, and amphibians), including their ecology, characteristics, and diseases. This knowledge will be very useful in the workplace after graduation.							
Lecture outline							
Among animals classified as "exotic animals" as a subject of veterinary medicine, rodents (hamsters, rabbits) kept as pets and reptiles (snakes, lizards, turtles) and amphibians (frogs), the number of which has been increasing in recent years, will be studied, focusing on those species that are kept in large numbers, their characteristics, breeding methods, typical diseases, and their care. The lecture will cover the characteristics, breeding methods, typical diseases and their nursing care, etc. The lectures will be given in an easy-to-understand audio-visual format using video and audio materials. In addition, for some species, characteristics such as reproduction will also be introduced.							
Lesson plan							
1 Exotic Animals in General (first half) 2 Exotic Animals in General (Second Half) 3 Hamsters 4 Ferrets 5 Rabbitology (first half) 6 Rabbitology (second half) 7 Guinea pigs 8 Chinchillas 9 Degu 10 Hedgehogs 11 Owl monkeys 12 Tortoise (first half) 13 Tortoise (second half) 14 Lizards 15 Amphibians							
Feedback on assignments (exams, reports, etc.)							
Question and answer session via e-mail							
Course Notes							
None							
Contents of prior and post-learning (preparation and review)							
Preparation: Students are required to prepare for the next class and understand the meaning of technical terms. Post-lesson study: Read the textbook corresponding to the content of each class session.							
Evaluation method (including evaluation criteria)							
50% for regular examinations, 50% for class participation							
Textbook							
<i>Color Atlas of Exotic Animals: Mammals</i> , 3rd ed. (Authors: Shinkichi Huono, Makoto Yokosuka), (Publisher: Midori-shobo)							
Reference books, teaching materials, etc.							
<i>Color Atlas of Exotic Animals: Birds</i> <i>Birds - Species, Ecology, Breeding, Diseases</i> - (Author: Shinkichi Huono), (Publisher: Midori-shobo) <i>Color Atlas of Exotic Animals: Reptiles and Amphibians</i> (Author: Shinkichi Huono, Tomoaki Nakata), (Publisher: Midori Shobo) <i>Basics of Rabbits JCRA Book Kindle Edition</i> (Author: Shinkichi Huono), (Publisher: YIL Publishing Co., Ltd.) <i>Rabbit Medicine</i> (Author: Shinkichi HuoNo), (Publisher: Midori Shobo)							

Course	Characteristics of Companion Birds				Practitioner teacher	Inst- ructor(s)	SHIMAMORI Hisako KOJIMA Atsushi
Course Period	3rd year 2nd Semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>Today, various species of birds have been kept for different reasons and companion is one of them. The greater number of people keep birds as companion, however, the greater number of owners suffer from their birds' diseases and problematic behavior. In this lecture, two teachers will give lectures in omnibus format with the aim of acquiring the knowledge to solve the problems of companion bird keepers to the students who aim to become avian veterinary nurses or those who aim for occupations related to companion birds.</p>							
Lecture Outline							
<p>[Shimamori] First, students will learn about the history of domesticated cage birds, then about the characteristics of popular species of companion birds and consider their proper care, and breeding and rearing. In the lecture, we will deepen our understanding of cage birds not only by textbook but also by watching video and audio clips and seeing actual birds.</p> <p>[Kojima] The lecture will focus on how the nursing of companion birds differs from that of Carnivora (dogs and cats). Students will learn the basics of avian taxonomy, biology, and anatomy, and will be introduced to some diseases to gain the deeper understandings for companion birds' nursing.</p>							
Lesson Plan							Teacher in charge
1 Guidance and Introduction to companion birds 1: Introduction to ornithology							SHIMAMORI
2 Introduction to companion birds 2: Avian cultural history							SHIMAMORI
3 Introduction to companion birds 3: General care							SHIMAMORI
4 Canaries: History, breeds, and their proper care							SHIMAMORI
5 Other finches: Their classification, characteristics and proper care							SHIMAMORI
6 Budgerigars: History, breeds and their proper care							SHIMAMORI
7 Cockatiels and other small and medium-sized parrots: Their classification, characteristics, and proper care							SHIMAMORI
8 Large parrots and cockatoos: Their classification, characteristics and proper care							SHIMAMORI
9 Breeding and rearing of small cage birds							SHIMAMORI
10 The relationship between man and companion birds							SHIMAMORI
11 Evolution and classification of birds							KOJIMA
12 Anatomy of the avian bones, diseases and their nursing							KOJIMA
13 Anatomy of the avian digestive organs and diseases and their nursing							KOJIMA
14 Anatomy and diseases of the avian reproductive organs and their nursing							KOJIMA
15 Summary and review							SHIMAMORI
Feedback on Assignments (exams, reports, etc.)							
Assignments and quizzes will be posted on Moodle and will be explained and reviewed as appropriate							
Course Notes							
The order of the lectures may be changed due to unavoidable circumstances. This will be announced on the Moodle notice board and in the guidance.							
Contents of Prior and Post-learning (preparation and review)							
Students are expected to prepare for and review each lecture according to the syllabus, using the designated textbooks and handouts. Students are required to take quizzes on Moodle after reviewing. If you are given a small assignment, follow the instructions and submit it.							
Evaluation Method (including evaluation criteria)							
Review exam (30%), review quiz (50%) and short assignment (20%) will be assessed comprehensively.							
Textbook							
島森尚子 『小鳥図鑑』 誠文堂新光社							
小嶋篤志 『コンパニオンバードの病気百科』 誠文堂新光社							
Reference Books, Teaching Materials, etc.							
Instructions and handouts will be given in the classroom and/or on Moodle.							

Course	Gerontology and Dog Walking				Practitioner teacher	Inst- ructor(s)	AKIYAMA Junko
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
The objective of this course is to understand the various health issues in Japan, which has become a super-aged society ahead of other countries in the world, and the role of living and walking with dogs (dog-walking) plays in solving health issues in Japan, from the perspective of gerontology. Specifically, students will explain the academic concept of gerontology and the current situation in Japan. To be able to explain the effects of dog-walking on health and its specific methods.							
Lecture Outline							
This lecture will provide an understanding of Japan's current situation and health issues, which has become a super-aging society ahead of other countries in the world and explain the role and importance of dog-walking in solving these issues, from the perspective of gerontology. In addition to the basic concept of gerontology and the importance of healthy life expectancy and prevention of nursing care, the effects of dogs on the health of the elderly and their effectiveness will be explained theoretically based on the latest research findings.							
Lesson plan							
<ol style="list-style-type: none"> 1 Introduction of Gerontology and Dog Walking 2 The coming of a super-aging society and Gerontology 3 Aging-related physical changes 4 Successful aging in a super-aging society 5 Mental and physical care in old age (guest speaker) 6 Social interaction of the elderly (guest speaker) 7 Social capital and dog-walking (guest speaker) 8 Issues and care prevention for the elderly in later stages of life 9 Health problems of excessive sitting in the elderly 10 The role of pets in a super-aging society 11 Benefits of dog-walking 12 Effective dog walking in animal behavior (guest speaker) 13 Dog walking in a symbiotic society of humans and dogs (guest speaker) 14 Prospects for dog-walking in a super-aging society 15 Summary and final exam 							
Feedback on Assignments (exams, reports, etc.)							
Conduct quizzes and confirmation tests and explain the answers. Give direct or overall feedback to the question.							
Course Notes							
Explain the precautions for taking the course in the first lecture. Please be careful about the guidance such as class guidance and material distribution in Moodle.							
Contents of Prior and Post-learning (preparation and review)							
Prior class: Read related books and materials according to the lesson plan. Post-class: Review the handouts and the lecture notes, and summarize the main points.							
Evaluation Method (including evaluation criteria)							
Normal points (question and answer in class and participation in learning) 30%, quizzes 10%, and final exams 60% for overall evaluation.							
Textbook							
Not specified							
Reference Books, Teaching Materials, etc.							
『東大がつくった高齢社会の教科書』 東京大学高齢社会総合研究機構 (編著)、東京大学出版会 『すぐわかるジェロントロジー』 一般社団法人日本応用老年学会検定委員会 (編著)、社会保険出版社 『超高齢社会の基礎知識』 鈴木隆雄(著)、講談社現代新書 Other books will be discussed in class.							

Course	Animal Health Emergency Management			Practitioner teacher	Inst-ructor(s)	FUKUYAMA Takaaki KOJIMA Kayoko
Course Period	4th year 2nd semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education
Objectives						
First, understand the risks of natural disasters in Japan, which is known as a disaster-prone country, and learn general disaster knowledge and disaster prevention knowledge. After that, learn about animal-related laws and regulations in the event of a disaster, secondary disasters caused by animals in the event of a disaster, and animal rescue activities in the event of a disaster, and understand the situation surrounding animals in the event of a disaster. In particular, from the perspective of animal nursing, the goal is to develop human resources who can propose new relationships between disasters and animals and more functional disaster mitigation methods.						
Lecture Outline						
Learn from multiple perspectives on disaster crisis management for owners and domestic animals in Japan, where there is a lot of harm. We will explain the legislation related to disaster relief activities for domestic animals and exhibited animals, and the public-private integrated structure related to pet rescue. Report on the situation of animals affected by past disasters, report on animal rescue activities during disasters overseas, and explain secondary disasters that may affect neighboring areas regarding domestic animals and exhibited animals during disasters. In addition, we will study the current situation and issues of evacuation accompanied by pets and summarize the solutions to the issues for the future.						
Lesson Plan						Teacher in charge
1 Laws related to animals during disasters						FUKUYAMA
2 Predicted natural disasters in Japan						FUKUYAMA
3 Current status of animals affected by the Great East Japan Earthquake						KOJIMA
4 Rescue activities for animals affected by the Great East Japan Earthquake						KOJIMA
5 Pet rescue activities in times of disaster						KOJIMA
6 Shelter work						KOJIMA
7 Pet-related issues						KOJIMA
8 Future pet-related issues						KOJIMA
9 Cat and dog rescue activities						KOJIMA
10 Cat and Dog Protection Activities Current Status and Issues of Administration						KOJIMA
11 Disaster prevention for business registered as an Animal Handling Business 1						FUKUYAMA
12 Disaster prevention for business registered as an Animal Handling Business 2						FUKUYAMA
13 Damage Assumptions for Animal Handling Businesses						FUKUYAMA
14 How to develop a business continuity plan for business an Animal Handling Business						FUKUYAMA
15 Explanation of disaster prevention tools						FUKUYAMA
Feedback on Assignments (exams, reports, etc.)						
A model report will be given in class.						
Course Notes						
None						
Contents of Prior and Post-learning (preparation and review)						
Prior learning "Check the manual for the work to be done in each class session. After-school study "Read the course content after each class.						
Evaluation Method (including evaluation criteria)						
Overall evaluation will be based on assignments (75%) and class participation (25%).						
Textbook						
Handouts and other materials will be distributed as needed.						
Reference Books, Teaching Materials, etc.						
Distribute materials in class						

Course	Pet Business Entrepreneurship				Practitioner teacher	Inst-ructor(s)	OGAWA Atsushi
Course Period	4th year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
In this course, students will learn about the current state of the various pet-related markets in Japan from data and actual examples, and explore products and services that could become business opportunities in the pet-related market. Students will acquire knowledge useful for employment in the pet-related market and management techniques for starting a business, aiming to improve their skills to be immediately effective in the pet industry.							
Lecture Outline							
In this course, students will learn the knowledge required to start a business in the pet-related industry. In order to start a business, it is first necessary to understand the needs in the industry and find a field in which profit can be secured. To this end, social trends, industry trends, consumer trends, etc. will be analyzed. Students will deepen their understanding of the pet business by reading data on pet-related markets and explaining various businesses using actual examples. In addition, students will learn the basics of business administration, including the ability to come up with ideas, fund-raising methods, marketing, PDCA, and organizational management necessary for starting a business, as well as practice business planning through workshops in the latter half of the lecture. In the second half of the lecture, students practice business planning through workshops. At the end of the lecture, students actually create a business plan and make a presentation as a summary. Guest speakers will be practitioners who have actually started their own businesses, and students will learn more practical knowledge, such as the secrets of successful business start-ups.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Thank You in the Business Context 2 The difference between students and working people 3 Debate 4 TTP (marketing based on examples from other companies) 5 TTP2 (marketing based on examples from other companies) 6 Improvised speech 7 Presentation techniques (shallow and strange version) 8 Presentation Techniques (Theory) 9 Let's Develop Questioning Skills 10 Let's Win the Interview 11 How to Deal with Seniors and Superiors 12 Mental Health for Working Adults 13 Problem-Finding and Problem-Solving Skills 14 Business Planning (Review) 15 Business Planning (Presentation) 							
Feedback on Assignments (exams, reports, etc.)							
Write comments on the business plan form as feedback.							
Course Notes							
In the latter half of the class, students will create a business plan and present it at the debriefing session. In the case of unavoidable absences, please notify the instructor in advance or ask for instructions from the instructor at a later date, and make a printout and bring it to the next lecture.							
Contents of Prior and Post-learning (preparation and review)							
Review of related books and websites (60 minutes) is required as prior learning, and review of handouts (60 minutes) is required as post-learning.							
Evaluation Method (including evaluation criteria)							
The overall evaluation will be based on 40% on class participation, 30% on business plan preparation and reporting, and 30% on examinations							
Textbook							
None							
Reference Books, Teaching Materials, etc.							
Materials will be distributed as appropriate							

Course	Consumer Behavior Analysis				Practitioner teacher	Inst- ructor(s)	MATSUI Shosaku
Course Period	4th year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
The goal is for animal professionals to be able to consider the relationship with owners of companion animals as consumers based on the findings of behavior analysis.							
Lecture Outline							
The lecture is an interdisciplinary social science that analyzes the emotional, mental, and behavioral responses of consumers to the purchase, use, and disposal of individuals, groups, organizations, and products and services, and includes elements of psychology, sociology, social anthropology, marketing, economics, and statistics. Although it is difficult to accurately predict consumer behavior, we will train people who can be aware of consumer behavior.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Overview and Outlines 2 Community, Consumers and Producers 3 Group, Team and Organization 4 Communication (Data, Information, Knowledge, Wisdom) 5 Marketing 6 Brand 7 Design 8 Affordance and Signifier 9 Behavioral economic 10 Service 11 Veterinary hospitals and Marketing 12 Pet stores (Pet supplies, Pet food & Pet products) and Marketing 13 Pet specialists (Pet grooming & Pet breeding) and Marketing 14 Marketing in Zoos and Aquariums 15 Conclusions 							
Feedback on Assignments (exams, reports, etc.)							
Placement tests will be conducted during the class to confirm the main points. Questions about the lectures will be answered at any time.							
Course Notes							
The lecture will be conducted in the interactive seminar format with a focus on prior learning (research, report writing) and presentations. The number of students will be limited, so please be careful when registering.							
Contents of Prior and Post-learning (preparation and review)							
Pre-learning: Research, writing a report							
Post-learning: Summarizing the lecture contents							
Evaluation Method (including evaluation criteria)							
A comprehensive evaluation will be made based on the placement test (60%) and class participation (40%).							
Textbook							
Not specified. Materials will be distributed as needed.							
Reference Books, Teaching Materials, etc.							
大学4年間のマーケティング見るだけノート. 平野敦士カール. 宝島社. 9784800288196							
大学4年間の経営学見るだけノート. 平野敦士カール. 宝島社. 9784800274793							
Other materials will be distributed as needed.							

Course	Information Risk Management				Practitioner teacher	Inst- ructor(s)	MATSUDA Takefumi
Course Period	4th year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
Students will learn about the various dangers in the information society and understand information ethics and information morals. Individuals are expected to be able to protect themselves appropriately and to be able to choose appropriate measures and overcome crises in case of incidents or accidents in the online society. In addition, they will learn about information security incidents in companies and daily operations that occur after getting a job, and aim to propose information security for companies and daily operations.							
Lecture Outline							
In today's information society, companies make maximum use of information in their business activities, and a wide range of generations are benefiting from various services in the Internet society. On the other hand, many new problems and crimes related to information are occurring and have become a social issue. This course will discuss problems and risk management in the advanced information society, personal level security against social networking services and computer viruses, risk management for companies and organizations, how to handle information appropriately, and how to deal with problems when they occur.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Guidance/What is Information Security? 2 Dangers of a Networked Society 3 Information Ethics and Information Morality 4 Examples of personal information security incidents 5 What is malware? 6 Law and Privacy 7 Information security and risk management that individuals can do 8 How Information Security Works 9 Examples of corporate information security incidents 10 Information security incidents in daily operations 11 Information Security for Telework 12 Legal and Corporate Compliance 13 Corporate information security measures 14 Information Security and Risk Management 15 Summary of Information Security 							
Feedback on Assignments (exams, reports, etc.)							
The assignment will be explained in the next session.							
Course Notes							
Students are expected to work independently on exercises and assignments. Attitude toward the class and grading will be explained in the first session.							
Contents of Prior and Post-learning (preparation and review)							
Do some research on the topic of the class.							
Evaluation Method (including evaluation criteria)							
<p>The overall evaluation will be based on a summary test (70%), a quiz (20%), and an attitude toward independent learning (10%).</p> <p>*The summary test will be evaluated by submitting a concrete proposal of the security measures learned in the class.</p>							
Textbook							
Not specified. Materials will be distributed as necessary.							
Reference Books, Teaching Materials, etc.							
None in particular							

Course	Animals in Art				Practitioner teacher	Inst- ructor(s)	SAITO Kosuke
Course Period	1st year 1st semester	Elective 1 credit	Class format	exercises	Course Classification	Specialized Education	
Objectives							
The goal is to develop a sense of balance and spatial awareness by capturing texture, composition, and changes in objects through drawing.							
Lecture Outline							
By drawing pets as subjects for sketching, students will develop an interest in animals and learn the differences in composition, balance, texture, and observation skills. Also, by expressing animals on natural stone, students will develop their modeling skills and imagination and understand three-dimensional objects. By having students draw the world of animals with their own free ideas, they will practice to acquire original expression, composition, imagination, and the ability to look at things objectively.							
Lesson Plan							
<ol style="list-style-type: none"> 1 About painting, basic drawing(1) Learning the tone of light and dark through pencil drawing 2 Basic Drawing (2) Direction of hatching, expression of wide range of gradation, movement, expression of balance 3 Basic Drawing 1) Learn texture, composition, and tone of light and dark using pencil, dermatograph (white), and container (white). 4 Basic Drawing (2) Learn texture, composition, and tone of light and dark by using dermatograph (white) and composition (white). 5 Completion of work and critique 6 Animal drawing (drawing animals around you) 1) Consider composition and balance, and grasp their characteristics 7 Animal drawing (drawing animals around you) (2) Draw with the direction of the hair in mind 8 Animal drawing (drawing animals around you) ③ Completion of work and critique 9 Three-dimensional expression using natural stone (1) Express the face (head) and the whole body with the image of an animal 10 Three-dimensional expression using natural stone (2) Understanding and digesting the wonder of natural stone modeling 11 Three-dimensional expression using natural stone (3) Completion and critique of the work 12 The World of Animals (Living Things) 1) Think about composition and composition of the picture, and freely include various living things in the same picture. 13 The World of Animals (Living Things) 2) Think about composition and composition of the picture, and freely include various living things in the same picture. 14 The World of Animals (Living Things) 3) Think about composition and composition of the picture, and freely include various living things in the same picture. 15 Review and Joint Critique 							
Feedback on Assignments (exams, reports, etc.)							
There will be no exams or reports, as this is a hands-on class. There will be no exam or report.							
Course Notes							
Don't forget to bring something for each assignment.							
Contents of Prior and Post-learning (preparation and review)							
Basically, there is no preparation or review. 5 assignments are given in 15 lessons. At the start of each assignment, students will be given an explanation of the content, aim, necessity, purpose, etc. Students should be prepared for this. Students should be prepared for this. In addition, through a review of each assignment, students should be motivated to see if they were able to achieve their goals and fully demonstrate their abilities, so that they can take the next step. Due to the nature of the practical work, if you are unable to complete the work during the class time, be sure to finish it and submit it.							
Evaluation Method (including evaluation criteria)							
Comprehensive evaluation based on the evaluation of the work for each assignment (90%) and class participation (10%)							
Textbook							
Not specified							
Reference Books, Teaching Materials, etc.							
Mitsutsune Tanaka "Animal World" Photo Collection *Drawing Materials Leonardo da Vinci Michelangelo Ueno Zoo graph by Albrecht Dürer Oil Painting Materials (Animal Works) Henri Rousseau Salvador Dali Acrylic works (animal works) World Smith							

Course	Animal Cultural Anthropology				Practitioner teacher	Inst-ructor(s)	TAJIMA Atsushi
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>Humans, known as "naked monkeys," have culturally matured and built an advanced civilization through diverse negotiations with animals and plants. In zoocultural anthropology, therefore, we will examine the process of interdependence between humans and major animals, present the evolution and diversity of animal views in representative cultures, and consider the nature of human-animal relationships and animal welfare. The course then aims to enable students to consider a wide range of issues, such as the "habitat separation" between wild animals and humans, habitat conservation and management, and animal welfare, from an international perspective, based on meteorology, geography, and history.</p>							
Lecture Outline							
<p>Based on the results of natural (trait) anthropology and using the methods of cultural anthropology, the relationship between animals, humans, and peoples will be explained backward in time. Particular attention will be paid to Darwin's theory of evolution and Kinji Imanishi's theory of "human evolutionary history" to explore the cultural characteristics and diversity of humans as a species and the meaning of "symbiosis" with other living things, and to explore the nature of science aimed at building a sustainable human society. Furthermore, we will discuss from a historical perspective the impact that the symbiotic relationship between humans and animals has actually had on human society in a wide range of areas, from human thinking and behavior to religion and language. It is hoped that this lecture will spark an interest in the relationship between humans and the animals that live around us.</p>							
Lesson plan							
<ol style="list-style-type: none"> 1 Orientation, introduction of lecturers, and animal cultural anthropology 2 Human biology: from apes, proto-humans, and paleo-humans to Denisovans, Neanderthals, and modern humans. 3 Genealogy of Taxonomy and Evolution: Aristotle, Linnaeus, Darwin, Nishiki Imanishi 4 Social Genealogy: From hunter-gatherer to agro-pastoralist societies 5 Defining Culture and Evolutionary Anthropology: Edward Tyler 6 The impact of living organisms on human society and culture 7 The Influence of Dogs and Cats on Human Society and Culture 8 Influence of sheep and goats on human society and culture 9 Influence of cattle on human society and culture 10 Influence of pigs on human society and culture 11 The impact of the horse on human society and culture 12 The Impact of Chickens on Human Society and Culture 13 Influence of animals unfamiliar to Japan on human society and culture (camels, elephants, donkeys, buffaloes, etc.) 14 Wildlife and Humans 1: Roles of zoo, its background, current status and future 15 Wildlife and Humans 2: Habitat Conservation, Captive Preservation, Cell Preservation, Genome Preservation 							
Feedback on Assignments (exams, reports, etc.)							
<p>I think it's a good idea to check the names of people and technical terms mentioned in each lecture on the Internet or in books. Students who search for interesting literature in the campus library and report on it are given points.</p>							
Course Notes							
<p>Taking pictures of the PowerPoint presentation with a smartphone is prohibited during class.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>Please check the names of people and technical terms introduced in the lecture in books or on the Internet. Points will be given to students who have researched literature and submitted reports on topics of interest.</p>							
Evaluation method (including evaluation criteria)							
<p>Evaluation will be based on the total score of regular examinations (50%), quizzes (20%), and class participation (30%). In addition, voluntary academic achievements will be positively evaluated.</p>							
Textbook							
<p>New Edition: The Ancestors Who Became Japanese - Pluralistic Structure Revealed by DNA (NHK Books No.1255) Kenichi Shinoda (Author) Resumes may be distributed as needed.</p>							
Reference Books, Teaching Materials, etc.							
<p>Minerzava Shobo, "Understanding Cultural Anthropology," 2nd edition, edited by Tsuneo Ayabe and Takami Kuwayama. Introduction to Cultural Anthropology (Chuko Shinsho 560) Shinsho -Takao Sobue (Author) The Origins of Humankind: Ancient DNA Tells the Story of Homo Sapiens' "The Great Journey" (Chuko Shinsho) Kenichi Shinoda (Author)</p>							

Course	Aquatic Zoology				Practitioner teacher	Inst ructor(s)	ISHIKAWA Makiko AOYAMA Masashi
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>This lecture focuses on aquatic animals that live in rivers, lakes, marshes, and the ocean. The objective of this course is to deepen students' understanding of the biological characteristics of aquatic animals that have adapted to an underwater environment, and their interactions with humans. Specifically, students are expected to be able to explain the classification, morphology, ecology, and physiology of aquatic animals, describe their relationship with human activities and the environment, and consider ways for humans and aquatic animals to coexist.</p>							
Lecture Outline							
<p>The lecture will cover the classification, physiology, and ecology of aquatic animals. Students will also learn about aquatic animal husbandry and diseases in relation to keeping ornamental fish at home, managing public aquarium animals, and aquaculture. Based on these concepts, lectures will be given on aquatic animal conservation, resource management, and the relationship between humans and aquatic animals. The final lecture will summarize the course contents, confirm students' understanding, and answer any remaining questions.</p>							
Lesson Plan						Teacher in charge	
1 Orientation						ISHIKAWA	
2 Habitat and Ecology of Aquatic Animals						ISHIKAWA	
3 Phylogeny and Classification						ISHIKAWA	
4 Invertebrates						ISHIKAWA	
5 Fish						ISHIKAWA, AOYAMA	
6 Amphibians and Reptiles						ISHIKAWA, AOYAMA	
7 Aquatic Mammals						ISHIKAWA	
8 Injuries caused by Aquatic Animals						ISHIKAWA	
9 Diseases of Fish						ISHIKAWA, AOYAMA	
10 Keeping Fish						ISHIKAWA, AOYAMA	
11 Aquarium (1) Design						ISHIKAWA, AOYAMA	
12 Aquarium (2) Maintenance						ISHIKAWA, AOYAMA	
13 Relationship between humans and aquatic animals						ISHIKAWA	
14 Conservation and resource management of aquatic animals						ISHIKAWA	
15 Summary and Examinations						ISHIKAWA, AOYAMA	
Feedback on Assignments (exams, reports, etc.)							
Feedback on quizzes and reports will be given in the lecture.							
Course Notes							
None							
Contents of Prior and Post-learning (preparation and review)							
Read the handouts and related books before and after the lecture.							
Evaluation Method (including evaluation criteria)							
Examinations (50%) and exercises and quizzes (50%) will be used for evaluation.							
Textbook							
None							
Reference Books, Teaching Materials, etc.							
<p>獣医学教育モデル・コア・カリキュラム準拠 魚病学, 児玉洋監修, 2019年, 緑書房 Other reference books will be introduced in the lecture.</p>							

Course	Zoo & Aquarium Science				Practitioner teacher	○	Inst-ructor(s)	KOMIYA Teruyuki
Course Period	3rd year 1st semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education		
Objectives								
<p>The social roles of zoos and aquariums have changed over history. Traditionally, zoos and aquariums have been said to have four roles: a place for recreation, a place for environmental learning, a place for the protection of rare animals, and a place for research. More recently, the function of a place for people's spiritual healing has been added. In the first half of the lecture, students will learn about the future direction of zoos and aquariums through their history. The second half of the lecture will focus on specific current activities, with the goal of acquiring a wealth of knowledge about zoos and aquariums and the knowledge to be able to consider what society needs from zoos and aquariums.</p>								
Lecture Outline								
<p>After explaining the historical background of zoos and aquariums in Japan and around the world, the lecture will cover current breeding management methods, exhibition methods, breeding, collection and identification methods, nutritional management, behavior management, facility management, environmental enrichment, disease prevention, quarantine, etc. In addition, specific examples of some animal species will be introduced. Through these studies, students will gain an understanding of areas such as integrated conservation activities in zoos and aquariums, conservation of wild populations, science and research, population management, education and training, communication, partnerships, sustainable resource use, animal welfare and ethics, etc., and will be made aware of issues to be addressed in the future. The course is designed to provide students with an understanding of the areas of conservation, science, research, population management, education and training, communication, partnerships, sustainable resource use, and animal welfare and ethics.</p>								
Lesson Plan								
<ol style="list-style-type: none"> 1 Guidance on how to proceed with the lecture, self-introductions 2 Thinking about breeding rabbits as an example 3 Conservation Technology with Cancer as an Example 4 Ex situ and in situ conservation using grouse as an example 5 History of the Zoo (prewar) 6 History of the Zoo (video) 7 History of the Zoo (postwar) 8 Can Zoos Save Wild Animals? 9 Conservation of rare birds 10 History of Bear Breeding 11 Animals' Menu 12 Conservation of Japanese native livestock 13 History of the Aquarium, Reconstruction of Aquamarine Fukushima 14 Invertebrate Exhibit and Insectarium 15 Exhibition Devices, Mole PT, Education for Life 								
Feedback on Assignments (exams, reports, etc.)								
Submit feedback in Forms each time, respond to questions in the next class, and provide feedback to students.								
Course Notes								
Pre-learning: Read the relevant items in the designated textbook before each lesson. Post-learning: Review with related books and autograph notes after each lesson.								
Contents of Prior and Post-learning (preparation and review)								
Preparation: Before each class, read through the relevant sections of the assigned textbook. Post-lesson review: After each class, students are expected								
Evaluation Method (including evaluation criteria)								
Comprehensive evaluation will be made based on class participation (30%), notes on impressions (40%), and periodic examinations (30%).								
Textbook								
Working at the Zoo by Teruyuki Komiya, East Press								
Reference Books, Teaching Materials, etc.								
<p>Story: History of Ueno Zoo by Teruyuki Komiya, Chuko Shinsho Livestock and Poultry in Japan, co-authored by Fumihito Akishino and Teruyuki Komiya, Gakken Postcard Stories of Ueno Zoo in the Olden Days by Teruyuki Komiya, Kyuryudo Slides and DVDs will be used for explanations, and the class will be supplemented by the textbook.</p>								

Course	Pestology				Practitioner teacher	Inst-ructor(s)	TANIKAWA Tsutomu
Course Period	3rd year 2nd semester	Electives 2 credits	Class format	lecture	Course Classification	Specialized Education	
Objectives							
<p>To learn about pests, we acquire knowledge about the ecology and countermeasures of living organisms that live in close proximity in human and other living environments. The goal of the lecture is to learn about the ecology of these harmful organisms and to be able to develop control measures and countermeasures. On the other hand, some industries deal with organisms, while others control harmful organisms. The English name "Pestology" is a composite word for "pest" and "logy (suffix)" meaning "the study of pest."</p>							
Lecture Outline							
<p>In recent years, the harm to humans caused by invisible organisms such as highly pathogenic avian influenza and severe febrile thrombocytopenia (SFTS) has gained attention. In addition, harmful animals, such as rats and insects, are frequently involved. In this way, pests enter the living area and cause many harm to people, food, household goods, etc. In this lecture, we divide pests into rats, insects, ticks, and others, classify the damage caused by them, learn about their basic knowledge, and give a lecture on how to eradicate and develop preventive measures.</p>							
Lesson Plan							
<ol style="list-style-type: none"> 1 Introduction to pests 2 Fundamentals of pests 3 Ecology and control of rats and mice 4 Ecology and control of cockroach 5 Ecology and control of flies 6 Ecology and control of mosquitoes (including bloodsucking insects) 7 Ecology and control of Pets Related to ticks, fleas, etc. 8 Ecology and control of bed bugs, ants, bees, termites, and other household pests 9 Ecology and control of masked palm civet, raccoons, bats, pigeons, etc. 10 Introduction of other vectors and nuisance pests 11 Disinfection and preparation of new-type coronavirus(covid-19) infection 12 Environmental management of pests 13 Chemical management of pests (insecticides, rodenticides, repellents, etc.) 14 Physical management of pests 15 Summary 							
Feedback on Assignments (exams, reports, etc.)							
<p>Questions and answers are answered directly or by e-mail after completion of the class. If the questions and answers are necessary for the entire auditor, they will be explained in the next class.</p>							
Course Notes							
<p>Classes are based on handouts and PowerPoints. To enable students to actively write down important matters in notebooks, and to strive to create handwritten notebooks and to firmly establish the memory. Understand the handouts and PowerPoint.</p>							
Contents of Prior and Post-learning (preparation and review)							
<p>To confirm the class plan in advance and to prepare for the contents thereof. Post-classroom: Check the contents of the lecture and handouts</p>							
Evaluation Method (including evaluation criteria)							
<p>Comprehensive evaluations are based on the final report (70%) and class participation (30%).</p>							
Textbook							
<p>Nothing in particular. Documents are distributed during lectures.</p>							
Reference Books, Teaching Materials, etc.							
<p>Ohm Co., Ltd., Tanikawa et al. Asakura Shoten Co., Ltd., Tanikawa et al. and others</p>							

Course	Academic Skills				Practitioner teacher	Inst-ructor(s)	NIIZIMA Noriko
Course Period	3rd year 1st semester	Required subject 2 credits	Class format	lecture	Course Classification	Specialized Education [General Subject]	
Objectives							
This course aims to learn research methods related to "Animal and Human Relations" necessary to write a graduation thesis.							
Lecture Outline							
In this course, students learn how to conduct research related to "Animal and Human Studies" and how to write a graduation thesis. Specifically, students will learn how to select a research topic, choose a research method, search and cite literature, formulate a research plan, consider ethics in research, collect and analyze data, compose a thesis, write and refine a manuscript, give an oral presentation, and submit a thesis to an academic journal.							
Lesson Plan							
<ol style="list-style-type: none"> 1 Preparing to start researching 2 How to choose a research topic 3 Choosing a Research Method 1 (Literature Research) 4 Choosing a Research Method 2 (Case Study) 5 Choosing a Research Method 3 (Theoretical Research) 6 Choosing a Research Method 4 (Survey Research) 7 Choosing a Research Methods 5 (Experimental Research) 8 How to search for and describe literature, how to cite materials, and how to pay attention to copyrights and portrait rights. 9 Developing a research plan 10 Ethical considerations in research 1 11 Ethical considerations in research 2 12 Data collection and analysis methods 13 How to organize and structure a paper 14 How to write and revise a manuscript 15 How to make an oral presentation, how to submit to academic journals, and other means of publishing research results 							
Feedback on Assignments (exams, reports, etc.)							
Students will be required to submit assignments as needed. In principle, assignments will not be returned, but explanations and answers to questions will be provided as feedback as necessary.							
Course Notes							
Please check Moodle frequently for latest announcements, class reference materials, etc., and pay attention to communications from your instructor.							
Contents of Prior and Post-learning (preparation and review)							
Follow the instructions on Moodle and in class for the necessary preparation and review.							
Evaluation Method (including evaluation criteria)							
Overall evaluation will be based on class participation (50%) and reports and other submissions (50%).							
Textbook							
None. Will be notified in class or on Moodle as needed.							
Reference Books, Teaching Materials, etc.							
None. Will be notified in class or on Moodle as needed.							

Academic Regulations
and
Other Rules and Regulations

Yamazaki University of Animal Health Technology Academic Regulations

Chapter 1. General Provisions

Section 1. Purpose

(Objective)

Article 1

Yamazaki University of Animal Health Technology (hereinafter referred to as "the University") shall, following the Fundamental Law of Education (Law No. 120 of 2006) and the School Education Law (Law No. 26 of 1947), adhere to the founding spirit of "Reverence for life" and "Independence as a professional," and with the educational philosophy of "Live a life," acquire the fundamental theories and skills related to animal health care. We pursue our education without forgetting the origin of life that lives in the providence of the natural ecosystem. This program aims to train students to acquire the basic theories and techniques related to animal nursing and develop their professional and applied skills.

2. The purpose of this program is to teach research and specialized theories and techniques related to animal nursing and animal-human relations, with rich humanity and a broad perspective required for the relationship between humans and companion animals under the spirit of animal welfare.

(Self-inspection and evaluation)

Article 2

In order to improve the level of its education and research, and to achieve the purpose and social mission outlined in the preceding article, the University shall conduct a self-assessment of the status of its education and research, organizational management, and facilities and equipment (hereinafter referred to as "education and research, etc."). It shall make the results of such assessment public.

2. In addition to the measures set forth in the previous article, the University shall receive an evaluation of the overall status of its education and research, etc., by a person certified by the Minister of Education, Culture, Sports, Science and Technology every period as stipulated in Article 40 of the School Education Law Enforcement Ordinance (Government Ordinance No. 340 of 1953), and the results shall be made public.

The matters of self-inspection and evaluation and its implementation system, etc., outlined in Paragraph 1 shall be determined separately.

(Information disclosure)

Article 3

The University shall proactively disclose information on the status of its education and research activities, etc., through publication and other methods that can be widely disseminated.

(Systematic training for improvement of educational content, etc.)

Article 4

The University shall conduct systematic training and research to improve educational content and methods, and the method of conducting such training and research shall be specified separately.

Section 2. Organizational Structure

(Faculty)

Article 5

The University shall have the following faculties and departments.

Faculty of Animal Health Technology

- Department of Animal Health Technology

- Department of Human Animal Relations

The admission capacity of the faculties and departments outlined in the preceding paragraph shall be as follows.

Undergraduate (course, program, etc.)	Course of study	Enrollment capacity	Admission capacity
Faculty of Animal Health Technology	Department of Animal Health Technology	113 people	452 people
	Department of Human Animal Relations	80 people	320 people

(Library)

Article 6

The University shall have a library.

Matters necessary for the library shall be determined separately.

(Secretariat)

Article 7

The University shall have a Secretariat.

Section 3. Staff Organization

(Faculty and staff)

Article 8

The University shall have a president, deans, department chairs, professors, associate professors, lecturers, assistant professors, administrative staff, and other staff.

2. The University may appoint Vice Presidents, Vice Deans, and Vice Department Chairs.

3. There shall be a Secretary-General and department heads from among the staff members set forth in the preceding paragraph.

4. Appointments, dismissals, and duties shall be determined separately.

(Faculty Meeting)

Article 9

The Faculty Council shall be established to deliberate matters related to education and research of the University.

2. The Faculty Council shall consist of the President, Vice Presidents, Deans, Vice Presidents, Department Chairs, Vice Department Chairs, and full-time professors.

3. Notwithstanding the provision of the preceding paragraph, associate professors, lecturers, assistant professors, and other faculty members may be added to the Faculty Council when the President deems it necessary.

4. Matters necessary for the Faculty Council shall be prescribed separately.

Section 4. Grades, Terms, and Holidays

(Grade)

Article 10

The academic year shall begin on April 1 and end on March 31 of the following year.

(Semester)

Article 11

The school year shall be divided into two semesters, the first semester and the second semester, and the duration of the semester shall be determined in the school year calendar for that year.

(Closed on holidays)

Article 12

Holidays shall be as follows

(1) Sunday

(2) Holidays stipulated in the Law Concerning National Holidays (Law No. 178 of 1948)

(3) Anniversary of the founding of the University

(4) Summer, winter, and spring break shall be determined by the academic calendar.

2. Notwithstanding the provision of the preceding paragraph, the President may set up temporary holidays or change the holidays.

3. The President may hold classes on holidays when deemed necessary.

(Class Period)

Article 13

In principle, classes shall be held for 35 weeks per year, including regular examinations.

2. Classes for each class subject shall be conducted in units of 15 weeks. However, if there is a special educational need, classes may be held over a shorter period.

Chapter 2. General Rules for Faculties

Section 1. Period of Study and Period of Enrollment

(Period of study and period of enrollment)

Article 14

The term of study at the University shall be four years. However, the period of enrollment shall not exceed eight years. However, those admitted under the provisions of Article 20 may not be enrolled for more than twice the number of years required for enrollment.

Section 2. Enrollment

(Time of admission)

Article 15

Admission to the University shall be at the beginning of the academic year.

(Admission Requirements)

Article 16

Those who are eligible for admission to the University shall fall under one of the following categories.

(1) Graduates of high school or secondary education school

(2) A person who has completed 12 years of schooling in the regular course (including a person who has completed equivalent schooling in a course other than the regular course)

(3) A person who has completed 12 years of school education in a foreign country, or a person who is equivalent to that and has been designated by the Minister of Education, Culture, Sports, Science and Technology.

(4) A person who has completed a course at an overseas educational institution accredited by the Minister of Education, Culture, Sports, Science and Technology as having a course equivalent to a high school course.

(5) A person who has completed an advanced course of a special training school (limited to a course that satisfies the criteria specified by the Minister of Education, Culture, Sports, Science and Technology such as having a completion period of 3 years or more) on or after the date specified by the Minister of Education, Culture, Sports, Science and Technology.

(5) A person who has completed an upper secondary course of a particular training school (limited to those which meet the criteria specified by the Minister of Education, Culture, Sports, Science and Technology, such as the duration of study being 3 years or more) after the date specified by the Minister of Education, Culture, Sports, Science and Technology

(6) Persons designated by the Minister of Education, Culture, Sports, Science and Technology

(7) Persons who have passed the high school equivalency examination according to the high school equivalency examination regulations (2005, MEXT Ordinance No. 1) (including persons who have passed the university equivalency examination according to the former regulations)

(8) Those who have reached 18 years of age and have been recognized as having academic abilities equivalent to

or higher than those of high school graduates through individual screening.

(Procedures for Application for Admission)

Article 17

Prospective students shall apply for admission to the university by the designated date by submitting the prescribed application form and the application fee.

2. The time, method, and documents to be submitted shall be determined separately.

(Selection of applicants and determination of successful applicants)

Article 18

Applicants for admission shall be screened as specified separately, and the President shall decide on the successful applicants after hearing the opinions of the Faculty Council.

(Enrollment Procedures and Admission)

Article 19

Those who have received notification of acceptance based on the results of the selection process in the previous article shall take the necessary procedures within the prescribed date, together with the entrance fee as specified in Article 46, as well as tuition and other fees.

The President shall grant admission to those who have completed the admission procedures in the preceding paragraph.

(Transfer, re-enrollment, and transfer)

Article 20

When a student applies for transfer, readmission, or transfer to the University, the President may admit the student to the appropriate year of study only when there is a vacancy, after screening and hearing the opinion of the Faculty Council.

2. Those who may transfer according to the provision of the preceding paragraph shall fall under any of the following items.

- (1) Those who have graduated or withdrawn from other universities
- (2) Those who have graduated from junior colleges or colleges of technology
- (3) A person who has completed a specialized course at a particular training college that meets the standards specified by the Minister of Education, Culture, Sports, Science and Technology (However, this is limited to a person who has a university entrance qualification as specified in Article 90 of the School Education Law)

3. Those who are eligible for readmission or transfer under the provisions of Paragraph 1 shall be those who have withdrawn from the University or those who are currently enrolled in another university and who will withdraw from said university due to transfer.

4. The method of study for those admitted according to the provision of Paragraph 1 shall be decided by the President after hearing the opinions of the Faculty Council.

Section 3. Curriculum and Course Methods, etc.

(Courses)

Article 21

The University's class subjects shall be liberal arts education subjects and specialized education subjects.

2 Each course is divided into required and elective subjects, and distributed to each year.

3 The class subjects of the University shall be as shown in Appendix 1.

(Number of graduation credits)

Article 22

To graduate from the University, students must complete 124 credits or more following the following items.

- (1) Liberal education courses: 30 credits or more
- (2) Specialized education courses: 94 credits or more

(How to calculate the unit)

Article 23

The method of calculating credits for class subjects shall be based on the following standards, considering the class's educational effects and the learning required outside class hours, according to the method of the class, with one credit consisting of content requiring 45 hours of study.

- (1) One credit shall consist of 15 to 30 hours of lectures and seminars as determined by the university.
 - (2) For experiments, practical training, and skills practice, one credit shall consist of 30 to 45 hours of experiments, practical training, and skills practice as determined by the university.
 - (3) When a class is given by combining two or more of the following methods: lecture, exercise, experiment, practical training, or skill practice, one credit shall be given for a total of 45 hours of class according to the combination.
2. Notwithstanding the provision of the preceding paragraph, credits for graduation theses and other class subjects shall be determined in consideration of the results of the studies.

(Credit Awarded)

Article 24

Students who complete class subjects and pass the prescribed examinations shall be awarded credits.

(Grading)

Article 25

Grades shall be given based on S, A, B, C, and D, with C or better being a passing grade.

(Taking courses at other universities, etc.)

Article 26

1. The University may, if it is deemed to be beneficial for education, recognize credits earned by students from class subjects taken at other universities or junior colleges as credits earned by taking class subjects at the University, within a limit not exceeding 60 credits, based on agreements with other universities or junior colleges.
2. The provision of the preceding paragraph shall apply mutatis mutandis to the case where a student studies at a foreign university or junior college, takes class subjects in Japan in correspondence courses offered by a foreign university or junior college, and takes class subjects in Japan in the relevant courses offered by an educational facility designated by the Minister of Education, Culture, Sports, Science and Technology as having the educational courses of a foreign university or junior college in the school education system of said foreign country. (2) The provisions of the preceding paragraph shall apply mutatis mutandis to the case of taking in Japan class subjects in the relevant educational courses of educational facilities designated by the Minister of Education, Culture, Sports, Science and Technology as having the educational courses of foreign universities or junior colleges.
3. In addition to what is provided for in the preceding two paragraphs, necessary matters shall be determined separately.

(Study at an educational facility other than a university)

Article 27

1. The University may, when it deems it advantageous from an educational standpoint, deem a student's study at a junior college or college of technology major or other studies specified by the Minister of Education, Culture, Sports, Science and Technology, to be a course of study at the University and grant credits.
2. The number of credits that can be granted under the preceding paragraph shall not exceed 60 credits together with the credits approved under Paragraph 1 of the preceding article.
3. In addition to what is provided for in the preceding two paragraphs, necessary matters shall be determined separately.

(Approval of credits previously earned before enrollment)

Article 28

1. The University may, when it deems it beneficial for educational purposes, deem credits acquired by a student for class subjects taken at a university or junior college prior to the student's enrollment at the University (including credits acquired as a non-degree seeking student as prescribed in Article 44) to have been acquired through the student's enrollment in class subjects at the University. In this case, the University may deem that the credits the student has earned in class subjects at universities or junior colleges before entering the University (including credits earned as a non-degree student as defined in Article 44) have been earned through the completion of class subjects at the University after entering the University.
2. The University may, when it deems it necessary for educational purposes, deem the study prescribed in Paragraph 1 of the preceding article conducted by students prior to their enrollment at the University to be the completion of class subjects at the University and grant credits.
3. The number of credits that can be deemed to have been acquired or given in accordance with the provisions of the preceding two paragraphs shall not exceed 60 credits when combined with the number of credits deemed to have been acquired at the University following the provisions of Article 26, Paragraphs 1 and 2 and Paragraph 1 of the preceding Article, except in the case of transfer, transfer, etc.
4. In addition to what is provided for in the preceding three paragraphs, necessary matters shall be determined separately.

(Clarification of grading standards, etc.)

Article 29

The University shall clearly indicate to students in advance the methods and contents of classes and the annual class schedule.

2. In order to ensure objectivity and rigor in the evaluation of academic achievements and the recognition of graduation, the University shall clearly indicate the criteria to students in advance, and shall conduct the evaluation appropriately in accordance with said criteria.

(Others)

Article 30

In addition to what is provided for in this Section, the year of distribution, method of enrollment, and each class subject shall be determined separately.

Section 4. Leave of Absence, Reinstatement, Transfer, Study Abroad, Withdrawal and Expulsion

(Leave of absence)

Article 31

1. Those who wish to take a leave of absence due to illness or other unavoidable circumstances may do so with the permission of the President by submitting to the President a doctor's note or other document certifying the reason for the absence and the joint signature of the guarantor.
2. The President may order a leave of absence for a student who is deemed inappropriate to study due to illness, etc., after hearing the opinions of the Dean of the Faculty, the director of the Educational Affairs Division, the Dean of the Student Affairs Division, and other persons deemed necessary by the President (hereinafter referred to as "dean, etc."). The President may order a leave of absence after hearing the opinions of the Dean of the Faculty, the Director of Academic Affairs, the Dean of the Student Affairs Division, and other persons deemed necessary by the President (hereinafter referred to as "Dean, etc.").
3. The period of leave of absence may not exceed one year. However, in the case of exceptional circumstances, permission may be granted to extend the period for one year only.
4. The period of leave of absence may not exceed four years in total.
5. The period of leave of absence is not included in the years of enrollment.

(Returning to school)

Article 32

If the reason for the leave of absence has ceased to exist during the period of the leave of absence, the President

may grant permission for the student to return to school after hearing the opinions of the Dean of the Faculty, etc.

(Transfer)

Article 33

Students may transfer to another department if the President approves explicitly. Matters related to transferring courses shall be determined separately.

(Transfer)

Article 34

Those who wish to transfer to another university shall obtain the permission of the President.

(Study abroad)

Article 35

1. Those who wish to study abroad may apply in advance, with the joint signature of the guarantor, to study at a foreign university or junior college with the permission of the President.
2. The period of study abroad with the permission set forth in the preceding paragraph shall be limited to one year and included in the period specified in Article 14.

(Withdrawal)

Article 36

Those who wish to withdraw from the University shall obtain the permission of the President.

(Expulsion)

Article 37

The President shall expel students who fall under any of the following items after hearing the opinion of the Faculty Committee.

- (1) Those who have exceeded the period of enrollment as specified in Article 14
- (2) Those who are unable to continue their studies after the period of absence
- (3) Those who fail to pay the tuition fee and do not pay it even after being urged to.
- (4) Persons who have died or who have been missing for a long time.

Section 5. Graduation and Degrees

(Certification of Graduation)

Article 38

1. Students who have been enrolled in the University for four years or more (for students who have been admitted through transfer, etc., the period shall be determined separately) and who have earned 124 credits or more, including 30 credits or more in liberal arts education subjects and 94 credits or more in specialized education subjects, from among the class subjects specified in these regulations shall be approved for graduation by the President after hearing the opinions of the Faculty Council.
2. Graduation certification in accordance with the preceding paragraph shall be given at the end of the academic year. For those who are unable to obtain this certification due to unavoidable reasons, the certification may be given in the first semester of the following year.

(Degree conferred)

Article 39

1. Those who have been approved for graduation under the provisions of the preceding Article shall be conferred the degree of Bachelor of Science (Animal Health Technology).
2. Matters necessary for degrees shall be determined separately.

Section 6. Award and Punishment

(Award)

Article 40

The President may grant an award to a student who has behaved in a manner worthy of an award, such as good conduct, academic excellence, or good behavior, after hearing the opinion of the Faculty Council.

(Disciplinary action)

Article 41

1. The President shall discipline students who fail to comply with these regulations and other rules established by the University, and whose conduct is not following their duties as students, after hearing the opinions of the Faculty Council.
2. The types of disciplinary actions shall be admonishment, suspension, and expulsion.
3. Expulsion shall be imposed on students who fall under any of the following items
 - (1) Those who have violated the Admission Pledge
 - (2) Persons who are found to be misbehaving and are not expected to improve.
 - (3) Students who have poor grades and are not expected to continue their studies.
 - (4) Those who have poor attendance without justifiable reason
 - (5) A person who disturbs the order of the university or otherwise violates the principles of a student

Section 7. International Students, Research Students, Non-Degree Students, and Special Auditing Students

(International Students)

Article 42

1. Suppose a person who has foreign nationality and falls under Article 16; Item 3 wishes to enroll in the University. In that case, he or she may be admitted after a screening process and after hearing the opinion of the Faculty Committee.
2. Concerning international students, the regulations for regular students shall apply mutatis mutandis, except for the provisions concerning Article 34. Necessary matters concerning international students shall be determined separately.
3. For international students in the preceding paragraph, in addition to those listed in Article 21, subjects related to the Japanese language and Japanese circumstances may be offered.

(Research Student)

Article 43

1. When a student applies for admission to the University as a research student, the President may admit the student as a research student after hearing the opinion of the Faculty Council, after selecting the student as long as there is no obstacle to education and research.
2. Matters concerning research students shall be determined separately.

(Non-degree student)

Article 44

1. Those who wish to take specific subjects at the University may be admitted as a non-degree student, after hearing the opinion of the Faculty Committee to the extent that it does not interfere with education and research.
2. When a student has passed an examination in a class subject taken by a non-degree seeking student, the university may grant credits for the subject by applying the provisions of Article 24 and Article 25 mutatis mutandis.
3. Matters concerning Credited Auditors shall be determined separately.

(Special Auditing Student)

Article 45

1. Upon consultation with other universities and junior colleges, the President may admit students of said universities as special auditing students, after hearing the opinions of the Faculty Council.
2. Matters concerning Special Auditing Students shall be determined separately.

Section 8. Examination Fees, School Fees, and Other Costs

(Application fee and tuition)

Article 46

The entrance examination fee and school expenses shall be as specified in Appendix 2.

(Delivery date for school fees, etc.)

Article 47

School fees and other payments shall be paid by the designated date separately specified.

(School fees paid)

Article 48

In principle, the school fees paid shall not be refunded.

(Tuition for students who return to school)

Article 49

When a student is reinstated after receiving permission for reinstatement, the student shall pay the school fees for the relevant semester.

(Tuition in the case of withdrawal, expulsion, or suspension)

Article 50

1. Tuition for a term shall be collected from students who withdraw or are expelled in the middle of a term.
2. Tuition will be collected during the period of suspension.

(Tuition and other fees for students who are enrolled beyond the completion of their studies)

Article 50-2

Notwithstanding the provisions of Article 46, the tuition fees, etc. for the relevant semester for students who are enrolled beyond the period of study shall be determined separately.

(Enrollment fee for students on leave of absence)

Article 51

Those who have been granted a leave of absence shall pay the enrollment fee specified separately.

Section 9. Education and Scholarship

(Scholarship)

Article 52

The University shall establish a system of education and scholarship.

2. Matters concerning education and scholarship shall be determined separately.

Chapter 3. Welfare Facilities

(Welfare facility)

Article 53

1. The University shall establish welfare facilities.
2. Necessary matters concerning welfare facilities (student cafeteria, student lounge, medical office, etc.) shall be determined separately.

Chapter 4. Public Lectures, etc.

(Open Lecture)

Article 54

1. To disseminate academic culture, the University shall offer public lectures for the general public.
2. Necessary matters concerning public lectures, etc., shall be determined separately.
3. Matters necessary for the use of facilities shall be determined separately.

Chapter 5. Miscellaneous Provisions

(Revision and abolition of school regulations)

Article 55

Chairperson of the Board of Trustees shall determine the revision or abolition of these regulations after discussion by the Faculty Council and the Board of Directors.

Supplementary Provisions

This school regulation shall come into effect as of April 1, 2010.

Supplementary Provisions (Approved by the Faculty Council on January 20, 2014, Approved by the Board of Directors on January 23, 2014, Approved by the Faculty Council on March 20, 2014, Approved by the Board of Directors on March 20, 2014) This school regulation shall be revised and enforced as of April 1, 2014.

Supplementary Provisions (Approved by the Faculty Council on January 19, 2015, and by the Board of Directors on March 19, 2015). This school regulation shall be revised and enforced as of April 1, 2015.

Supplementary Provisions (Approved by the Board of Directors on May 28, 2015, after the Faculty Meeting on May 25, 2015)

1. These School Regulations shall be revised and enforced as of April 1, 2016. However, for students enrolled on or before April 1, 2015, the provisions then in force shall remain applicable.
2. Notwithstanding the provision of the preceding paragraph, the school fees in Appended Table 2 shall apply to students enrolled on or before April 1, 2015, from the academic year 2016.

Supplementary Provisions (Approved by the Board of Directors on May 25, 2017, after the Faculty Meeting on October 17, 2016)

This school regulation shall be revised and enforced as of April 1, 2008.

Supplementary Provisions (Approved by the Board of Directors on March 14, 2019, after the Faculty Meeting on March 4, 2019) These school regulations shall be revised and enforced from April 1, 2019. It will also apply to students enrolled on or after April 1, 2016, from April 1, 2019.

Supplementary Provisions (Approved by the Board of Directors on March 11, 2021, after the Faculty Meeting on March 2, 2008)

These school regulations shall be revised and enforced as of April 1, 2021. However, for students admitted on or before April 1, 2020, "Exotic Animal Nursing (2 credits of specialized education subject elective)" shall be added to Appendix 1 "Education Course (Department of Animal Health Technology)" and "Exotic Animal Characteristics Theory (2 credits of specialized education subject elective)" shall be added to Appendix 1 "Education Course (Department of Human Animal Relations)" for students admitted on or after April 1, 2020.

Exotic Animal Characteristics Theory (elective 2 credits in specialized subjects in the Education Courses (Department of Animal Health Technology)" and "Exotic Animal Characteristics Theory (elective 2 credits in specialized subjects in the Education Courses (Department of Animal Health Technology)" in the Education Courses (Department of Human Animal Relations), and the rest shall be as before.

Supplementary Provisions (Approved by the Faculty Council and by the Board of Directors on March 11, 2021)

1. These school regulations shall be revised and enforced as of April 1, 2022.
2. The grade progression of the admission capacity of the Department of Animal Health Technology, Faculty of Animal Health Technology, as described in Article 5, Section 2, shall be as follows.

Undergraduate (course, program, etc.)	Course of study	Admission capacity 2022	Admission capacity 2023	Admission capacity 2024	Admission capacity 2025
Faculty of Animal Health Technology	Department of Animal Health Technology	413 people	426 people	439 people	452 people

Supplementary Provisions (Approved by the Faculty Council and by the Board of Directors on January 20, 2021) These school regulations shall be revised and enforced as of April 1, 2022. However, for students enrolled on or before April 1, 2021, the provisions then in force shall remain applicable.

Supplementary Provisions (Approved by the Faculty Council and by the Board of Directors on May 26, 2021)

These school regulations shall be revised and enforced as of April 1, 2023.

Appended Table 1 (Re: Article 21)

Curriculum
(Department of Animal Health Technology)

Subject group		Course title	Number of credits		Remarks
			Required (subject)	Selective (subject)	
General Education Courses	Humanities and Social Science	Bioethics and Animal Welfare	2		
		Philosophy		2	
		Law in Everyday Life		2	
		Life and Economy		2	
		History of Art		2	
		Psychology		2	
		Animals and Journalism		2	
		Introduction to Career Management		2	
	Nature and Environment	Basic Biology	2		
		Basic Chemistry	2		
		Basic Biochemistry	2		
		Environmental Science		2	
	Language, Information, and Sports	English I	1		
		English II	1		
		English III	1		
		English IV	1		
		French Basic Course		2	
		Information literacy (Basic)	1		
Information literacy (Applied)		1			
Wellness & Physical activity			2		

Subject group		Course title	Number of credits		Remarks
			Required (subject)	Selective (subject)	
Specialized Education	Basic subjects	Introduction to Life Science	2		
		Biotechnology		2	
		Introduction to Veterinary Nursing	2		
		Introduction to Animal-Human Relations	2		
		Animal Functional Anatomy	2		
		Animal Physiology	2		
		Practice of Animal Anatomy and Physiology	2		
		Animal Environmental Science	2		
		Animal Behavior	2		
		Animal Genetics	2		
		Theriogenology	2		
		Veterinary Pharmacology	2		
		Veterinary Pathology	2		
	Special Subjects	General Theories of Veterinary Clinical Nursing	2		
		Practice of Veterinary Medical Nursing I	2		
		Veterinary Medical Nursing	2		
		Practice of Veterinary Medical Nursing II	2		

	Veterinary Surgical Nursing	2		
	Practice of Veterinary Surgical Nursing	2		
	Particular Theories of Veterinary Clinical Nursing I	2		
	Particular Theories of Veterinary Clinical Nursing II		2	
	Practice of Veterinary Clinical Nursing		2	
	Veterinary Laboratory Medicine	2		
	Practice of Veterinary Laboratory Medicine	2		
	Particular Theories of Veterinary Clinical Nursing III		2	
	Equipment Theory for Veterinary Medicine	1		
	Veterinary Oral Care		2	
	Practice of Veterinary Oral Care		2	
	Zoonosis	2		
	Public Health	2		
	Animal Biochemistry		2	
	Veterinary Infectious Diseases I	2		
	Veterinary Infectious Diseases II	2		
	Small Animal Nutrition	2		
	Small Animal Clinical Nutrition	2		
	Veterinary Nursing of Exotic Animals	2		
	Veterinary Medical Communication	1		
	Theories of Pet Loss and Bereavement		2	
	An Introduction to Medical Rehabilitation		2	
	Veterinary Rehabilitation and Physical Therapy		2	
	Practice of Comprehensive Veterinary Nursing	2		
	Guidance Theory of Animal Welfare and Proper Care	2		
	Practice of Animal Welfare and Proper Care	2		
	Study of Companion Animal Care (Grooming)	2		
	Practice of Companion Animal Care (Basic Grooming)	2		
	Practice of Companion Animal Care (Advanced Grooming)		2	
	Companion Animal Science	2		
	Farm Animal Science	1		
	Laboratory Animal Science	1		
	Wild Animal Science	2		
	Regulations for Veterinary Nursing	1		
	Regulations for Animal Welfare and Proper Care	1		
	Medical Safety		2	
	Animal Geriatrics Technology		2	
	Home Care and Home-visit Animal Nursing Care		2	
	Companion Animals-related Industry	2		
	Scientific English		2	
General Subject	Statistics		2	
	Practice in Animal Health Technology		1	
	Graduation thesis	4		
	Internship		2	
	Volunteer Study & Activity		1	
	Short-term Animal Practical Training Abroad		4	
	Special Seminar I	0.5		
	Special Seminar II	0.5		
	Special Seminar III	0.5		

	Special Seminar IV	0.5		
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(Department of Human Animal Relations)

Subject group		Course title	Number of credits		Remarks
			Required (subject)	Selective (subject)	
General Education Courses	Humanities and Social Science	Bioethics and Animal Welfare	2		
		Philosophy		2	
		Law in Everyday Life		2	
		Life and Economy		2	
		History of Art		2	
		Psychology		2	
		Animals and Journalism		2	
		Introduction to Career Management		2	
	Nature and Environment	Basic biology	2		
		Basic Chemistry	2		
		Basic Biochemistry		2	
		Environmental Science		2	
	Language, Information, and Sports	English I	1		
		English II	1		
		English III	1		
		English IV	1		
		French Basic Course		2	
		Information literacy (Basic)	1		
		Information literacy (Applied)	1		
		Wellness & Physical activity		2	

Subject group		Course title	Number of credits		Remarks
			Required (subject)	Selective (subject)	
Specialized Education	Basic Subjects	Introduction to Life Science	2		
		Biotechnology		2	
		Introduction to Veterinary Nursing	2		
		Introduction to Animal-Human Relations	2		
		Animal Functional Anatomy	2		
		Animal physiology	2		
		Practice of Animal Anatomy and Physiology		2	
		Animal Environmental Science		2	
		Animal Behavior	2		
		Animal Genetics	2		
		Theriogenology	2		
		Veterinary Pharmacology		2	
		Veterinary Pathology		2	
	Special Subjects	General Theories of Veterinary Clinical Nursing	2		
		Practice of Veterinary Medical Nursing I	2		
		Veterinary Medical Nursing		2	
		Practice of Veterinary Medical Nursing II		2	
		Veterinary Surgical Nursing		2	
		Practice of Veterinary Surgical Nursing		2	
		Veterinary Laboratory Medicine		2	

	Practice of Veterinary Laboratory Medicine		2	
	Zoonosis	2		
	Public Health	2		
	Veterinary Infectious Diseases I	2		
	Small Animal Nutrition	2		
	Human-Animal Interaction	2		
	Social welfare		2	
	Clinical psychology		2	
	Communication	1		
	Theories of Pet Loss and Bereavement	2		
	Theory of Animal Assisted Therapy	2		
	Practice of Animal Assisted Therapy-Student Laboratory		2	
	Theory of Assistance Dog	2		
	Companion Animal Breeding and Their Resources		2	
	Guidance Theory of Animal Welfare and Proper Care	2		
	Practice of Animal Welfare and Proper Care	2		
	Study of Companion Animal Care(Grooming)	2		
	Practice of Companion Animal Care (Basic Grooming)	2		
	Practice of Companion Animal Care (Advanced Grooming)		2	
	Practice of Companion Animal Behavior		1	
	Companion Dog Training Theory		2	
	Practical Training of Companion dog		2	
	Characteristics of Domestic Dogs Domestic Cats	2		
	Characteristics Theory of Exotic Animals		2	
	Characteristics of Companion Birds		2	
	Gerontology and Dog Walking		2	
	Farm Animal Science	1		
	Laboratory Animal Science	1		
	Wild Animal Science	2		
	Regulations for Veterinary Nursing	1		
	Regulations for Animal Welfare and Proper Care	1		
	Medical Safety	2		
	Animal Health Emergency Management	2		
	Companion Animals-related Industry		2	
	Pet Business Entrepreneurship		2	
	Consumer Behavior Analysis		2	
	Information Risk Management		2	
	Animals in Art		1	
	Animal Cultural Anthropology		2	
	Aquatic zoology		2	
	Zoo and Aquarium Science		2	
	Pestology		2	
	Scientific English		2	
General Subject	Academic Skills	2		
	Statistics		2	
	Practice in Animal Health Technology		1	
	Graduation thesis		4	
	Internship		2	
	Volunteer Study & Activity		1	

	Short-term Animal Practical Training Abroad		4	
	Special Seminar I	0.5		
	Special Seminar II	0.5		
	Special Seminar III	0.5		
	Special Seminar IV	0.5		

Appended Table 2 (Re: Article 46)

Application Fee and Tuition

(Common to both the Department of Animal Health Technology and the Department of Human Animal Relations)

Matter		Amount
Entrance Examination Fee		30,000
Entrance fee		150,000
Tuition	Tuition (annual)	900,000
	Practicum fee (annual fee)	250,000
	Facility fee (annual fee)	300,000
	Subtotal	1,450,000

(Unit: Yen)

Note 1: Tuition and fees are the same for the first, second, third, and fourth years.

Note 2: The entrance examination fee is waived for the second and subsequent attempts. The examination fee for the Examination for Japanese University Admission for International Students (EJU) is 15,000 yen.

Transfer Regulations for the Yamazaki University of Animal Health Technology

(Purpose)

Article 1

These regulations shall be based on Article 33 of the Yamazaki University of Animal Health Technology(hereinafter referred to as the "College Regulations"). These Regulations shall stipulate the necessary matters concerning the handling of Transfer.

(Transfer Requirements)

Article 2

Applicants must have been enrolled at the Yamazaki University of Animal Health Technology for at least one year at the time of transfer.

(Time of Transfer)

Article 3

Transfer to the University shall be at the beginning of the academic year.

(Procedures for Application for transfer.)

Article 4

Those who wish to transfer must submit the separately prescribed documents to the Secretariat by the end of January of the year of enrollment, with the approval of their department chairperson and the chairperson of the department to which they are transferring.

(Selection of applicants)

Article 5

When a request is received from a student in accordance with the preceding Article, the President shall decide on permission for transfer after examination by the department chairperson and the Academic Affairs Committee of the department to which the student is transferring and after approval by the Faculty Council.

(Credit approval)

Article 6

The credits earned by students who have been permitted to transfer may be accepted as credits required for graduation from the new department after examination by the Academic Affairs Committee and approval by the Faculty Council.

(Year of Transfer)

Article 7

The President, after consultation with the Academic Affairs Committee and the Faculty Senate, shall determine the year of the department to which the student is to transfer.

(Notification of Results)

Article 8

The results of the selection process will be notified to the applicant and guarantor by the end of March.

(Period of enrollment)

Article 9

The total number of years of study for students who transfer to another department is 8 years, including the number of years they were enrolled before the transfer.

(Period of leave of absence)

Article 10

The period of leave of absence for a student who has transferred may not exceed 4 years in total, including the years of leave of absence prior to the transfer.

(Revision and abolition of regulations)

Article 11

The President of Trustees shall determine the revision or abolition of these regulations after asking the opinion of the Faculty Council

Supplementary Provisions

These Regulations shall be established and enforced as of April 1, 2021.

Yamazaki University of Animal Health Technology Bylaws Concerning Tuition and Other Fees for Students Enrolling Beyond the Completion of Their Course of Study

(Purpose)

Article 1

These bylaws shall be based on Article 49-2 of the Yamazaki University of Animal Health Technology (hereinafter referred to as the "College Regulations"). Article 1 These bylaws shall stipulate the necessary matters concerning the handling of school fees, etc. for students who are enrolled in the University beyond the period of study, in accordance with the provisions of Article 49-2 of the University Regulations of Yamazaki University of Animal Health Technology (hereinafter referred to as the "University Regulations").

(School fees)

Article 2

1. The tuition for students who are enrolled beyond the term of study shall be the amount obtained by multiplying the number of credits for the class subjects registered for the relevant term by 50,000 yen and the amount for the relevant term shall be paid.
2. Notwithstanding the provisions of the preceding paragraph, the maximum amount of tuition for the relevant semester shall be one-half of the amount stipulated in Appendix 2 of Article 45 of the School Regulations.
3. The school fees prescribed in Paragraph 1 shall not apply to students whose period of enrollment, excluding the period of absence, is less than four years.

(Commissioned collection dues)

Article 3

1. As a general rule, membership fees collected on behalf of students who are enrolled beyond the completion of their course of study shall not be handled.
2. The provisions of the preceding paragraph shall not apply to those who have been enrolled in school for less than four years, excluding the period of absence.

(Supplementary Provision)

Article 4

In addition to what is provided for in these Bylaws, the President shall determine, after discussion by Chairperson of the Board of Trustees, any necessary matters concerning the handling of school fees, etc., for students who are enrolled beyond the completion of their course of study.

(Revision and abolition of bylaws)

Article 5

The President shall determine the revision or abolition of these bylaws after discussion by Chairperson of the Board of Trustees.

Supplementary Provisions

These bylaws shall be established and enforced as of April 1, 2014.

Supplementary Provisions (Approved by the Board of Directors on July 20, 2017)

These bylaws shall be revised and enforced as of April 1, 2008.

(end)