Course syllabus
First Semester Academic Year 2025

1. Faculty of Veterinary Technology **Department:** Veterinary Nursing

2. Course code: 01603351 **Course title:** Principles of Nursing Companion Animal

Course credit: 3 (3-0-6)

Prerequisite: None

Sec 230 (Lecture)

Date/Time/Location Lecture Tueday 13.00 – 16.00
Room 1-401 Veterinary technology teaching and laboratory Building

3. Instructors

1. Asst.Prof.Dr.Natnaree Inthong (NI) Course coordinator
2. Asst.Prof.Dr. Chanokchon Setthawongsin (ChS) Co-Instructor
3. Asstoc.Prof.Dr. Metita Sussadee (MS) Co-Instructor
4. Lecturer Dr.Patarakit Chongphaibulpatana (PC) Co-Instructor
5. Asstoc.Prof.Dr.Nattakan Meekhanon (NM) Co-Instructor
6. Lecturer Dr.Natthawut Khanatiyanont (NK) Co-Instructor
7. Lecturer Dr.Poommate Chomchat (PhC) Co-Instructor

4. Academic advising and consultation

1. Asst.Prof.Dr.Natnaree Inthong (NI)
   Room 710, Veterinary technology teaching and laboratory Building
   Office hours: Monday-Friday 8.30 – 16.30 (appointment required)
   Tel. 0-2579-8573-5 ext 616017 E-mail: cvtnri@ku.ac.th, natnaree.i@ku.th

5. Course objectives

1. To enable students to use medical terminology, take medical history, perform physical examinations, and record medical records.
2. To enable students to name and explain the principles of using medical equipment and devices in animals.
3. To enable students to explain animal health care and nursing care according to the age of pets.
4. To enable students to explain the principles and procedures for performing basic procedures involving medication administration, fluid administration, and sample collection from animals.
5. To enable students to explain the principles of selecting restraint methods for animal physical examination, procedures, and medication and fluid administration in pets.
6. To enable students to explain the changes and diseases that occur in senior dogs, and to be able to care for senior dogs and provide appropriate and effective advice to dog owners.

6. Mapping of CLOs with Sub-PLOs

CLOs	Course learning outcomes: CLOs	Related Sub-PLOs (100%)				
		1	2	3	4	5
1	Apply the basic principles, concepts, and processes of companion animal nursing, including physical examination frameworks and medical record-keeping protocols, using correct medical terminology. (30%)	1				
2	Select appropriate medical equipment and devices for specific companion animal nursing scenarios based on their operational principles. (8%)	0.5				
3	Determine appropriate standard operating procedures and solutions for case scenarios in basic animal nursing practices. (27%)	1				
4	Formulate age-specific nursing care plans tailored to the different life stages of companion animals. (15%)	0.5				
5	Apply age-related changes and clinical conditions in senior dogs to formulate nursing care strategies and appropriate health counseling for owners. (20%)	1				

Remark: Program learning outcome: PLOs and SubPLOs

PLO1 Graduates capable performing veterinary nursing practices through the integration of professional nursing knowledge and clinical analytical reasoning

SubPLO1. Apply the fundamental principles, concepts, and processes of veterinary nursing and related animal health sciences.

SubPLO2. Perform veterinary nursing procedures with technical accuracy and safety.

SubPLO3. Perform veterinary nursing practices with ethical standards, responsibility, communication, and collaborative teamwork in accordance with relevant laws.

PLO2 Graduate perform duties in animal nutrition, rehabilitation, disease control and prevention

SubPLO4. Apply the principles of animal nutrition, immunology, and epidemiology to manage disease prevention, zoonoses control, and post-nursing care protocols.

PLO3 Graduate use and maintain veterinary nursing equipment and tools correctly according to academic principles

SubPLO5. Handle veterinary drugs, instruments, equipment, and medical supplies safely and accurately.

7. Course Description

Basic health care, restraint, physical examination, nursing practices, sample collection, management of medicines and fluid therapy in companion animals.

8. Teaching and learning strategies

Lectures with multimedia, self-directed learning through textbooks.

9. Teaching materials

The lecture portion consists of classroom lectures that incorporate collaborative learning, discussion, and self-study.

10. Assessment and Evaluation; Multiple choice

10.1 Exam (97.5%)

1) Midterm Exam (45.5%)

Lecture	45.5%

2) Final Exam (52%)

Lecture	52%

10.2 Class participation and behavior	2.5%
Total	100%

11. Achievement indicator

90% of students passed the course.

12. Course Evaluation

The grading criteria are in accordance with the University's academic regulations. Grades are determined using either the criterion-referenced or norm-referenced evaluation method. In the case of criterion-referenced grading, the following standard is applied:

Score 100-80	Grade A	Score 64-60	Grade C
Score 79-75	Grade B+	Score 59-55	Grade D+
Score 74-70	Grade B	Score 54-50	Grade D
Score 69-65	Grade C+	< Score 50	Grade F

13. Teaching textbooks and references

1. Aronson, R.L. 2016. Small animal surgical emergencies 1nd edition, Willy Blackwell.

2. Castro, A.E. and Heuschele, W.P. 1992. Veterinary Diagnostic Virology. Mosby-Year book, Inc., U.S.A.
3. Dennis, M.M. and Joanna, B.M. 2006. Clinical Textbook for Veterinary Technicians, Elsevier Saunders.
4. Ettinger, S.J. and Feidman, E.C. 2005. Text book of Veterinary Internal Medicine. 6th ed. Elsevier
a. Saunders, U.S.A.
5. Greenr, C.E. ২০০৮. Infectious diseases of the dog and cat. ৩rd ed. W.B. Saunders, U.S.A.
6. Hirsh, D.C. ২০০৫. Veterinary microbiology. ২nd ed. Blackwell Publishing, UK.
7. Geriatrics & Gerontology of the Dog and Cat (Saunders)
8. Margi, S. ২০০৫. Principle and Practice of Veterinary Technology ২nd edition. Mosby.
9. The Living Well Guide to Senior Dogs (TFH publication)
10. Your dog's golden year (Wallingford Vale publishing)

14. Course Contents

Week	Date	Title	Instructor	Lesson Learning Outcomes (LLO)	Course Learning Outcomes (CLOs)	Teaching learning approaches	Assessment method
1	24 Jun25	Course orientation, medical terminology, veterinary medical records, examination room management and general care of patients	ChS (6%)	Apply knowledge of terminology and nursing practices in animal nursing.	CLO1	Lecture teaching	Paper-based test
2	1 Jul 25	Medical materials and equipment	MS (6%)	Able to prepare, use, and maintain veterinary equipment and instruments. .	CLO2	Lecture teaching	Paper-based test
3	8 Jul 25	History, preventive health care program and general examination in dog and cat patients	MS (6%)	Able to explain the principles of animal restraint and basic physical examination.	CLO1	Lecture teaching	Paper-based test
4	15 Jul 25	Roles of veterinary nurse and common medical condition, recumbent patient nursing care and cancer patient nursing care	ChS (6%)	Able to explain basic nursing procedures and analyze approaches to caring for dogs with cancer.	CLO1	Lecture teaching	Paper-based test
5	22 Jul 25	Principle of drug preparation for injection, route of drug administration and blood collection	NI (6.5%)	Able to accurately explain the principles of equipment selection, medication preparation techniques, medication administration, and blood collection in dogs and cats.	CLO1	Lecture teaching	Paper-based test

6	29 Jul 25	Intravenous catheterization, fluid therapy and intubation	NI (6.5%)	able to accurately describe standard procedures, precautions, and criteria for selecting equipment for intravenous catheterization, fluid administration, and endotracheal intubation	CLO3	Lecture teaching	Paper-based test
7	5 Aug 25	Wound management and bandage	PC (6.5%)	Able to classify types of wounds, explain the principles of hemostasis, and select appropriate wound management and bandaging methods based on the type of wound.	CLO3	Lecture teaching	Paper-based test
Midterm Exam Sat.9 - Sun.19 Aug 25							
8	19 Aug 25	Pediatric Nursing Care - General consideration of canine and feline pediatric - Standard care in pediatric and care of orphaned puppy and kittens - Common infectious diseases in puppies and kittens	ChS (6.5%)	able to explain basic health care and the management of orphaned animals, as well as describe guidelines for the prevention and control of important infectious diseases in puppies and kittens	CLO4	Lecture teaching	Paper-based test
9	26 Aug 25	Roles of veterinary nurse and common medical condition Care of cage birds, cage small mammals, reptiles and amphibians	TD (6.5%)	able to explain the role of veterinary nurses in managing common illnesses and describe basic health care guidelines for birds, small	CLO1	Lecture teaching	Paper-based test

				mammals, reptiles, and amphibians			
10	2 Sep 25	Roles of veterinary nurse and common medical condition Care of aquarium fish	PCh (6.5%)	explain the role of veterinary nurses in managing common illnesses and describe the principles of environmental management, including veterinary nursing for aquarium animals	CLO1	Lecture teaching	Paper-based test
11	9 Sep 25	Geriatric Nursing Care - Senior dog dental care and health care program	PC (6.5%)	explain the physiological changes in aging animals and describe approaches to managing health programs and oral hygiene in older dogs.	CLO4	Lecture teaching	Paper-based test
12	16 Sep 25	Geriatric Nursing Care - Pharmacologic principles and anaesthesia in senior dog - Surgery in geriatric dog	PC (6.5%)	able to explain basic pharmacology, precautions during anesthesia, and nursing guidelines both before and after surgery in senior dogs	CLO4	Lecture teaching	Paper-based test
13	23 Sep 25	Geriatric Nursing Care - Introduction to geriatric dog care	NM (6.5%)	explain the demographic statistics, define aging, and identify basic physical and behavioral changes in senior dogs to lay the foundation for appropriate nursing care.	CLO5	Lecture teaching	Paper-based test
14	30 Sep 25	Geriatric Nursing Care Common diseases and nutritional management in senior dogs	NM (6.5%)	describes the characteristics of common diseases in senior dogs and outlines appropriate nutritional management	CLO5	Lecture teaching	Paper-based test

				approaches to support treatment and promote the quality of life for sick animals			
15	**Graduation Ceremony Day Mon 6 – Thu 9 Oct 25**						
16	14 Oct 25	Geriatric Nursing Care - Quality of life assessment and end of life decision - Euthanasia and preparation for pet loss	NM (6.5%)	explain the assessment of the quality of life of sick animals, describe guidelines for decision-making during the end-of-life period, and identify steps in managing euthanasia, including coping with the loss of a pet	CLO5	Lecture teaching+ team based learning	Paper-based test+ team based learning
Final Exam Mon.20 - Fri.31 Oct 25							

(Asst.Prof.Dr.Natnaree Inthong)
13 June 2025