Course syllabus
Second Semester Academic Year 2025

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

2. Course code: 01603223 **Course title:** Principles of Public Health in Veterinary Nursing

Course credit: 2 (2-0-4)

Prerequisite: None

Sec 230 (Lecture)

Date/Time/Location Lecture Friday 14.00 – 16.00
Room 1-401 Veterinary Technology and Veterinary Nursing Building

3. Instructors

Asst. Prof. Dr. Samak Sutjarit (SM) Course coordinator and lecturer

4. Academic advising and consultation

Asst. Prof. Dr. Samak Sutjarit Room 706, Veterinary technology teaching and laboratory Building
Office hours: Monday-Friday 8.30 – 16.30 (appointment required)
Tel. 0-2579-8573-5 ext 616003 E-mail: cvtsms@ku.ac.th

5. Course objectives

5.1 Students understand the embryo developmental processes and
5.2 Students understand structures and relationships of internal organs in animals
5.3 Students able to apply anatomical knowledge to animal nursing practices

6. Mapping of CLOs with Sub-PLOs

CLOs	Course learning outcomes: CLOs	Related Sub-PLOs (100%)				
		1	2	3	4	5
1	Explain the roles, responsibilities, and frameworks of domestic and international veterinary public health sectors in human health protection (5%)				0.5	
2	Apply the principles of risk analysis, quality control, and food safety standards to manage chemical residues and environmental hazards in the animal production chain. (85%)				2	
3	Collaborate effectively with team members to complete assigned tasks (10%)			0.1		

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

Animal public health principles and scope in veterinary nursing. Role in epidemiology and zoonoses. Food quality regulations, risk assessment, food safety, foodborne diseases. Milk quality and hygiene. Health related environmental management.

8. Teaching and Learning Activities

8.1 Teaching via live lectures, online classes, or video clips.

8.2 Q&A in class.

8.3 Students are encouraged to conduct independent research and study.

9. Teaching materials

Computer projector, lecture handouts, slide presentations.

10. Assessment and Evaluation

10.1 Examination	85%	
1) Midterm Examination	34%	
2) Final Examination	51%	
10.2 Class participation and behavior		5%
10.3 Assignment report/Responsibility/Group participant (Rubrics)	10%	
Total	100%	

11. Achievement indicator

100% of students pass

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. Alli, I. 2004. Food Quality Assurance Principles and Practices. CRD Press.
2. Buncic, S. 2006. Integrated Food Safety and Veterinary Public Health. CAB International.
3. Lelieveld, H.L.M., Mostert, M.A., Hoalah, J and White, B. 2003. Hygiene in food processing. Woodhead Publishing Limited.

14. Course Contents

Week	Date	Title	Instructor	Lesson Learning Outcomes (LLO)	Course Learning Outcomes (CLOs)	Teaching learning approaches	Assessment method
1	28 Nov 2025	Introduction to Veterinary Public Health and Related Career Paths; Roles in Epidemiology and Zoonotic Diseases; One Health Principles (2.125%)	SM	Explain the principles of veterinary nursing relevant to veterinary public health	CLO 1	Lecture	Paper-based test
2	5 Dec 2025	National Father's Day (No Class) Make-up Class: 12 Dec 2025, 16:00–18:00 — National and International Agencies and Collaborations in Veterinary Public Health (2.125%)	SM	Explain organizations and collaborative work in veterinary public health	CLO 1	Lecture	Paper-based test
3	12 Dec 2025	Food Quality Systems in the Food Industry (Part 1) (8.5%)	SM	Explain principles of food quality systems	CLO 2	Lecture	Paper-based test
4	19 Dec 2025	Food Quality Systems in the Food Industry (Part 2) (4.25%)	SM	Explain principles of food quality systems	CLO 2	Lecture	Paper-based test

5	26 Dec 2025	Chemical Hazard Assessment (8.5%)	SM	Explain chemical hazard assessment procedures	CLO 2	Lecture	Paper-based test
6	2 Jan 2026	Food Safety and Hygiene (4.25%)	SM	Explain food safety and hygiene principles	CLO 2	Lecture	Paper-based test
7	9 Jan 2026	Risk Analysis (4.25%)	SM	Explain risk analysis principles in veterinary nursing work	CLO 2	Lecture	Paper-based test
Midterm Examination 10-18 January 2026							
8	23 Jan 2026	Foodborne Diseases (4.25%)	SM	Explain foodborne diseases	CLO 2	Lecture	Paper-based test
9	30 Jan 2026	Kaset Fair (No Class) Make-up Class: 9 Feb 2026, 16:00–18:00 — Milk Quality and Dairy Hygiene (Part 1)(8.5%)	SM	Explain milk quality inspection and hygiene principles	CLO 2	Lecture	Paper-based test
10	6 Feb 2026	Kaset Fair (No Class) Make-up Class: 16 Feb 2026, 16:00–18:00 — Milk Quality and Dairy Hygiene (Part 2)(4.25%)	SM	Explain milk quality inspection and hygiene principles	CLO 2	Lecture	Paper-based test
11	13 Feb 2026	Drug and Chemical Residues in the Environment (Part 1)(8.5%)	SM	Explain milk quality inspection and hygiene principles	CLO 2	Lecture	Paper-based test
12	20 Feb 2026	Drug and Chemical Residues in the Environment (Part 2)(4.25%)	SM	Explain approaches to reducing drug and chemical residues in the environment	CLO 2	Lecture	Paper-based test

13	27 Feb 2026	Chemical Risk Assessment and Waste Management (Part 1)(8.5%)	SM	Explain chemical risk assessment and waste management principles	CLO 2	Lecture	Paper-based test
14	6 Mar 2026	Chemical Risk Assessment and Waste Management (Part 2)(4.25%)	SM	Explain chemical risk assessment and waste management principles	CLO 2	Lecture	Paper-based test
15	13 Mar 2026	Occupational Safety, Health, and Environmental Risk Management Standards (4.25%)	SM	Explain standards of safety, occupational health, and environmental risk management	CLO 2	Lecture	Paper-based test
Final examination 16-27 March 2026							

Note: Schedule is subject to change as deemed appropriate

(Asst. Prof. Dr. Samak Sutjarit)
11 November 2025