Course Information Form (CIF)

Course Code: VTT 111

Course Title: Small Animal Nursing II

Department: Allied Health
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 01.8301
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 2-4-3
Credit Hour Distribution:

Lecture: 2	Lab: 4	Clinical: 0	**Total: 3**

General Course Information

Catalog Description

Small animal nutrition, preventative healthcare, and continued skill development in nursing techniques including: venipuncture; ophthalmic procedures; dental procedures; bandaging; indwelling catheters and fluid therapy; ectoparasite identification; and ECGs.

General Course Objectives

Continued skill development in handling, restraint, and nursing techniques of dogs and cats including: venipuncture; ophthalmic procedures; dental procedures; bandaging; indwelling catheters and fluid therapy; ectoparasite identification; and ECGs.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 099	Placement out of MAT 072

Prerequisites

Credit in VTT 110, VTT 113, VTT 114, VTT 116, VTT 119, and BIO 111
Admission into the Veterinary Technology program

Methods of Evaluation

2 objective lecture exams, 1 lecture final exam, 4-6 lecture quizzes, 2 written and practical lab exams, and 4-6 lab quizzes.

Instructional Materials and Additional Supplies

Manual of Clinical Procedures in the Dog and Cat, Crow. ISBN 9780323722001
Clinical Textbook for Veterinary Technicians, McCurnin. ISBN 9781118985700
Kit included in course fees.

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Dog and Cat Breed Identification	1. Compare and contrast common breeds of dogs and cats.	2	0	0
Electrocardiogram	1. List the indications for and discuss the principles of electrocardiography. 2. Explain the processes used to acquire, analyze, and interpret an electrocardiogram. 3. Complete a 6-lead (plus rhythm strip) ECG tracing of diagnostic quality. 4. Recognize and fix technical problems such as electrical and patient artifacts occurring during the production of the tracing.	4	8	0
The Dorsolumbar (Epaxial Muscles) IM Injection	1. Accurately assemble and administer a dorsolumbar intramuscular injection in a dog.	0	1	0
Dental Procedures	1. Recognize common dental disorders and diseases of the dog and cat. 2. Accurately complete a routine dental prophylaxis procedure on a dog. 3. Explain basic dental disease prevention measures. 4. Discuss dental health care instruction with clients.	8	16	0
Venipuncture	1. Accurately perform a cephalic venipuncture on a cat. 2. Accurately perform a jugular venipuncture on a dog and cat. 3. Accurately perform a medial saphenous venipuncture on a cat. 4. Accurately perform an intravenous injection using the cephalic vein on a dog. 5. Use the Vacutainer system to obtain a diagnostic quality blood sample from a dog.	0	14	0
Indwelling Catheter Placement and Fluid Administration	1. Explain the purpose of administering supplemental fluids. 2. Follow written procedure to administer supplemental fluids aseptically. 3. Demonstrate how to place indwelling catheters aseptically.	2	4	0
Ectoparasites	1. Perform and assemble a skin scraping procedure and examine the sample microscopically for ectoparasites. 2. Identify macroscopic and microscopic ectoparasites that commonly infect domestic animals. 3. Discuss ectoparasite life cycles, prevention, treatment, and control.	2	4	0
Wound Management and Bandaging	1. Identify and discuss the phases of wound healing. 2. Explain and accurately perform the principles of bandaging. 3. Explain aftercare of bandages, splints, casts, and slings, including complications that may occur. 4. Discuss uses for and characteristics of limb bandages and demonstrate the technique used to place a Robert Jones bandage or a modified Robert Jones bandage on a small animal limb.	2	6	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Ophthalmology	1. Describe the normal anatomy of the eye and recognize abnormal conditions. 2. Demonstrate how to accurately apply liquid and ointment medications to the eye. 3. Accurately perform the Schirmer Tear Test and the Fluorescein Dye Test. 4. Calibrate and demonstrate how to use the Tonometer to measure intraocular pressure.	2	6	0
Preventive Healthcare	1. Explain the concept of risk factor management. 2. Categorize the common transmissible diseases of dogs and cats. 3. Explain vaccination protocols for the prevention of transmissible diseases of dogs and cats. 4. Describe potential adverse vaccine events and how to deal with various adverse events should they occur.	4	0	0
Nutrition for the Dog and Cat	1. Explain the basic nutritional needs of the dog and cat in all stages of life. 2. Analyze pet food labels to determine if the food will meet the nutritional needs of the dog and cat in different stages of life. 3. Compare and contrast the concepts of energy units, energy partitioning, metabolizable energy measurement, Atwater factors, energy density, and measurements of energy expenditure.	4	0	0
Enema Administration	1. Demonstrate and explain how to administer an enema to a dog and cat. 2. List purposes for administering an enema to a dog or cat and any possible complications.	0	1	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	60	0