

Course Number/Title: VT 255 Small Animal Nutrition

Year: Fall 2012

Department: Veterinary Technology

Credit Hours: Lecture 2

Required Text: Hand, Roudebush, & Novotny; *The Pocket Companion To Small Animal Clinical Nutrition*; 5th ed.

Days/Time: Online

Instructor: Dr. Shad Clymer

Room #: Online

Office Hours: TBA

Phone #: (785) 460-4708

Course Placement: Sophomore

Prerequisite: VT 140
Anatomy & Physiology of
Domestic Animals

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Rationale

Students will acquire job skill competencies for graduate veterinary technicians in small animal nutrition.

Course Description

Prerequisite: VT 140 (Anatomy and Physiology of Domestic Animals) This course covers aspects of basic nutrition, pet food evaluation, client education and life stage nutrition for the well dog and cat, as well as nutritional aspects of disease and therapeutic intervention.

Topics covered:

Basic nutrition

Nutrition and disease

Therapeutic diets

Nutriceuticals and supplements

Organic and inorganic toxicities

Developing and communicating hospital nutrition protocols

Course Outline

A. Pet Food Manufacturing and Video

B. Orientation

C. Basic Nutrition

i. CHO

ii. Lipids

iii. Proteins

iv. Calculating Energy

v. Vitamins

vi. Minerals

vii. Antioxidants

D. Pet Food Labels

E. Life Stage Feeding

F. Life Stage Lab

G. Midterm

H. Introduction to Therapeutic Nutrition and History Video

I. Nutritional Responsive Diseases

i. Gastrointestinal Disease

ii. Fiber Responsive Disease

iii. Liver Disease

iv. Neoplasia

v. Acute and Critical Care

vi. Adverse Reactions to Food

vii. Renal Disease and LUTD

J. Therapeutic Lab

K. What's New and Special Needs

L. Final Exam

Course Learning Objectives Assessed

Students will understand proper nutrition in the normal and diseased small animal.

Given the characteristics of the patient, the veterinary technician will understand appropriate and inappropriate dietary components for various life stages and therapeutic regimens (e.g., therapeutic foods) in order to promote optimal health, enhance recovery and manage chronic disease conditions. The veterinary technician will also explain nutritional recommendations to clients and reinforce owner compliance.

Course Competencies

The learning outcomes and competencies detailed in this syllabus meet or exceed the learning outcomes and competencies specified by the Kansas Core Outcomes Project for this course.

Students will be required to demonstrate proficiency in job competencies utilizing the following competency rating scale:

3: Excellent; able to work independently

2: Satisfactory; entry level skills

1: Unsatisfactory

0: Not applicable

Course Competencies: VT 255

Task ID	Standard Assessment Criteria	Course ID
NU15A	<p>Understand life stage energy and nutrient requirements of well animals: dog</p> <p>Successfully complete Small Animal Nutrition course delivered by Hill's Pet Nutrition</p> <p>Describe the dietary requirements for a puppy</p> <p>Describe the dietary requirements for a pregnant and nursing dog</p> <p>Describe the dietary requirements for a geriatric animal</p>	VT255
NU15B	<p>Understand life stage energy and nutrient requirements of well animals: cat</p> <p>Successfully complete Small Animal Nutrition course delivered by Hill's Pet Nutrition</p> <p>Describe the dietary requirements for a kitten</p> <p>Describe the dietary requirements for a pregnant and nursing queen</p> <p>Describe the dietary requirements for a geriatric animal</p>	VT255
NU17A	<p>Understand key nutritional factors in disease conditions; general considerations</p> <p>Successfully complete Small Animal Nutrition course delivered by Hill's Pet Nutrition</p> <p>Explain the role nutrition plays in treating and preventing endocrine and metabolic disease</p> <p>Evaluate an overweight animal's diet and determine a proper diet</p>	VT255
NU17B	<p>Understand key nutritional factors in disease conditions: be familiar with therapeutic foods</p> <p>Successfully complete Small Animal Nutrition course delivered by Hill's Pet Nutrition</p> <p>Recognize commonly used therapeutic diets</p> <p>Recall the conditions for which specific therapeutic diets are used</p>	VT255
NU18	<p>Understand current developments in nutritional supplements and additives including benefits and potential toxicities</p> <p>Successfully complete Small Animal Nutrition course delivered by</p>	VT255

	Hill's Pet Nutrition	
	List vitamins and minerals important in the canine and feline diet	
	Identify common nutraceuticals	

Method of Instruction

Online sessions. The electronic session for each week begins on Monday (Day 1) and ends on Sunday (Day 7). For example, when an assignment is due on Day 5, it must be posted no later than 11:59 p.m. Eastern Standard Time year-round (EST) on Friday of that week.

Method of Evaluation

All points awarded in this course are converted to a letter grade according to the following scale:

90 - 100% = A

80 - 89% = B

70 - 79% = C

< 70% = F

Grading for the lecture portion of the course (VT 255) will be based upon the following:

Grades will be based on weekly self-assessment quizzes, four exams, a student project, homework cases, attendance and participation in the class discussion boards. The point distribution is as follows:

	Points
Quizzes (14)	140
Exam 1	100

Midterm Exam	150
Student Project	68
Homework	70
Exam 2	100
Attendance	252
Discussion Boards (14)	70
Final Exam	300
TOTAL	1250

Course Requirements

This course adheres to published Veterinary Technology Program Policies and Procedures; however, course requirements may be more stringent.

The online portion of this course adheres to the online and hybrid course policies as published in the Veterinary Technician Policies and Procedures. All Veterinary Technology Program assessments must be successfully completed by each student. Failure to successfully complete all assessment documents may result in a failing grade for the course in which that assessment is evaluated.

Because this course is a required course for graduation with a degree in Veterinary Technology, course requirements will be interpreted in light of the intent and objectives of the Veterinary Technology Program.

It is imperative that the students review Veterinary Technology Program Policies and Procedures and understand the safety guidelines for this course as well as instructor's expectations of the student's professional attitude and classroom conduct.

Veterinary Technology Program Policies and Procedures Section 9.02 states that "the Veterinary Technology student is expected to act in a professional manner in all classroom and activity situations. Students will act professionally in their dress, language and demeanor." Students who are disruptive to fellow classmates or the instructor by acting in an unprofessional manner may be required to leave the classroom.

Students are expected to conduct themselves in a professional manner in attitude, dress and behavior in all laboratory settings. This course requirement prepares students for actual workplace skills and attitudes. Since laboratories simulate workplace situations, students are expected to dress in a manner that will promote respect and confidence from others. Students are required to wear appropriate dress to lab. Appropriate dress may be professional, business-like dress or skirt and blouse or shirt; or jeans or slacks and a professional business-like shirt or blouse. A clean smock must be worn over street clothing. For all laboratory sections of VT 131, VT 237, VT 246 and VT 276, students may choose to wear a coordinated scrub top and scrub pants. Due to safety considerations, it is highly recommended that students wear enclosed, oxford style shoes with a non-skid sole. All clothing must be clean and in a state of good repair. The instructor reserves the right to decide when clothing is inappropriate and may ask students not to wear particular outfits to lab again, or the instructor may dismiss students to go home and change. Students are responsible for making up any missed laboratory work that is incurred by such a request to change clothing.

Students are required to attend all lecture and laboratory sessions as described in the Attendance Policy section of the syllabus.

If students check out equipment (such as CDs, Videotapes, Sutures boards, etc) to be used for instructional purposes in this class, they must fill out the appropriate Equipment Loan Agreement form. Failure to return the equipment in a timely manner will obligate the student to pay the price of the equipment value as stated on the Equipment Loan Agreement form. A hold will be placed on the student's grades, transcripts and diploma until the college is reimbursed for the cost of the equipment or the equipment is returned.

Use of cell phones during class is prohibited (lecture/lab). Cell phones must be turned off prior to class and remain off during class time.

Assignment Policy

Online assignments or projects are expected to be done on or before the due date. Past due assignments will not be accepted. Make up work will be allowed for excused absences only. Unexcused absences will result in a zero grade for that missed test or work. An excused absence is illness or accident requiring a doctor's care (a receipt or note will be required), or the death of an immediate family member.

Test Policy

Make up tests will be allowed for excused absences only. Unexcused absences will result in a zero grade for that missed test or work. An excused absence is illness or accident requiring a doctor's care (a receipt or note will be required), or the death of an immediate family member.

Attendance Policy

Students are expected to be online completing assignments and posting to the discussion boards. Participation is very important as it contributes to overall learning and enjoyment of the class. For full participation and attendance credit, **students are required to contribute one substantive discussion message four days each week in the main forum. The main forum postings are worth 18 points per week. If you do not complete all four (4) posts each week you will receive zero (0) points for attendance that week. The main forum postings are separate from the postings you make in the graded discussion board section for each session.** Deadlines for attendance are based on Eastern Standard Time. Attendance is tracked automatically in the course by your postings.

Students should review the syllabus for information. Participation consists of messages sent above and beyond graded assignments. Both quantity and quality are important considerations when posting substantive messages. For example, "I agree" does not constitute participation because it does not add anything of substance to the discussion. In order to earn full participation points, the messages must be related to the course topics for the week and include new ideas, personal perspectives and examples, or relevant follow-up questions.

Make up tests or work will be allowed for excused absences only. Unexcused absences will result in a zero grade for that missed test or work. An excused absence is illness or accident requiring a doctor's care (a receipt or note will be required), or the death of an immediate family member.

Students are required to notify the facilitator in writing of an anticipated absence when possible. With prior approval, the facilitator may excuse absences for certain school activities and community service. The facilitator will notify the instructor of this excused absence.

Academic Integrity Policy

Colby Community College defines academic integrity as learning that leads to the development of knowledge and/or skills without any form of cheating or plagiarism. This learning requires respect for Colby's institutional values of quality, service and integrity. All Colby Community College students, faculty, staff, and administrators are responsible for upholding academic integrity.

Cheating is giving, receiving, or using unauthorized help on individual and group academic exercises such as papers, quizzes, tests, and presentations through any delivery system in any learning environment. This includes impersonating another student, sharing content without authorization, fabricating data, and altering academic documents, including records, with or without the use of personal and college electronic devices.

Plagiarism is representing or turning in someone else's work without proper citation of the source. This includes unacknowledged paraphrase, quotation, or complete use of someone else's work in any form. It also includes citing work that is not used and taking credit for a group project without contributing to it.

The following procedure will be used for students who violate the policy:

- First Offense – Student will receive a zero for the assignment and the student will be reported to the Dean of Academic Affairs.
- Second Offense – The student will be reported to the Dean of Academic Affairs and removed from the class.
- Third Offense – The student will be reported to the Dean of Academic Affairs and dismissed from the college.

Any questions about this policy may be referred to the Dean of Academic Affairs.

Assessment

Colby Community College assesses student learning at several levels: general education, program, and course. The goal of these assessment activities is to improve student learning. As a student in this course, you will participate in various assessment activities. An example of your work, a paper, some test questions, a presentation, or other work may be selected for assessment. This process will not affect your grade, will not require you do additional work and your evaluation will be confidentially handled. Results of these activities will be used to improve teaching and learning at Colby Community College.

Syllabus Information Disclaimer

“I reserve the right to change any information contained in this document, when necessary, with adequate notice given to the student. Notice shall be given in the classroom during class. No other notice is required. It is the students’ responsibility to stay current with any changes, modifications, adjustments or amendments that are made to this document.”

Accommodations for Students with Disabilities

According to the Americans with Disabilities Act, it is the responsibility of each student with a disability to notify the college of his/her disability and to request accommodation. If a member of the class has a documented learning disability or a physical disability and needs special accommodations, he/she should contact Student Support Services, which is located in the Student Union.

Equipment

None

Bibliography

None

Recommended Resources

None

