



**Oregon State University**

**Ecampus**

**Course Name:** Principles of Companion Animal Nutrition

**Course Number:** ANS 320

**Credits:** 3 Credits

**Course Description and prerequisites, Co-requisites, and Enforced Prerequisites**

Learn about nutrients, the digestive process, and the application of nutritional sciences to the health and welfare of companion animals. Introduction to the metabolic basis and practical preventative management for nutritional diseases in companion animals. **PREREQS:** (BI 211 or BI 211H) and (BI 212 or BI 212H)

**Course Objectives and Outcomes:**

Upon completing this course, participants will be able to

1. Identify dietary macro and micronutrients needed for companion animals
2. Identify the role of dietary nutrients in performance and well-being in companion animals
3. Apply the nutrition information to interpret and evaluate pet foods
4. Apply the nutrition information in selecting dietary ingredients best suited for pet foods.
5. Identify the role of diet in preventing nutritional disorders in pet animals

This five-module online course provides participants with an introduction to the science of companion animal nutrition and a basic explanations of nutrients, their functions and how these nutrients relate to the unique needs or health or welfare of companion animals (dogs, cats other indoor pets).

This course combines approximately 90 hours of instruction, online activities, and assignments for 3 credits.

**Assessment:**

At the conclusion of each module, participants are encouraged to pass the self-test before proceeding to the next module. Participants are also required to complete a course survey.

**Textbooks:**

The recommended textbook for this course is: Canine and Feline Nutrition. A Resource of Companion Animal Professionals, 2011, Linda P. Case, Leighann Daristotle, Michael G. Hayes, and Melody Foess Raasch Mosby Publishing.

**Textbook:** NOTE: For textbook accuracy, please always check the textbook list at the OSU Bookstore website (<http://osubeaverstore.com/Academics/>). Sample syllabi may not have the most up-to-date information.

Students can also click the OSU Beaver Store link associated with the ANS 320 course information in the [Ecampus schedule of classes](#) for course textbook information and ordering.

**Other texts and supporting references include:**

Principles of Companion Animal Nutrition, McNamara, J. P. 2006 ([www.prenhall.com](http://www.prenhall.com)). This book provides reading materials for this course, and is a good reference book on companion animal nutrition.

Nutrient Requirements of Dogs and Cats, National Research council of the National Academies.

Nutrition and Care of Companion Animals, 1996, Nancy A. Irlbeck, Kendall/Hunt Publishing.

**Generic Course outline\***

<b>Topic</b>
Module 1: Basics of Nutrition: Energy, Water, Carbohydrates, Fats, Proteins and Amino Acids, Vitamins, Minerals. Digestion and Absorption
Module 2: Life-cycle nutrition and nutrient requirements of Dogs and Cats
Module 3. Feeding for Health and Wellness
Module 4: Introduction to Pet Foods: History, Ingredients; Forms of diets, Diet formulation, Pet food preparation, Processing, Pet food labeling, Evaluation
Module 5. Pocket and exotic pets: Rabbit, hamster, guinea pig, cage birds, and reptiles Quiz 5

\*A detailed content including all learning activities will be given for each module separately.

**Plagiarism**

You are expected to submit your own work in all your assignments, postings to the discussion board, and other communications, and to clearly give credit to the work of others when you use it. Academic dishonesty will result in a grade of “F.” Link to Statement of Expectations for Student Conduct: [http://arcweb.sos.state.or.us/pages/rules/oars\\_500/oar\\_576/576\\_015.html](http://arcweb.sos.state.or.us/pages/rules/oars_500/oar_576/576_015.html)

Academic Dishonesty:

<http://oregonstate.edu/studentconduct/http%3A/%252Foregonstate.edu/studentconduct/faculty/facacdis.php>.

**Students with Disabilities**

Accommodations are collaborative efforts between students, faculty and [Disability and Access Services \(DAS\)](#). Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term to discuss accommodations. Students who believe they are eligible for accommodations but who have not yet obtained approval through DAS should contact DAS immediately at 541-737-4098. <http://ds.oregonstate.edu/>

**Student Evaluation of Teaching**

We encourage you to engage in the course evaluation process each term – online, of course. The evaluation form will be available toward the end of each term, and you will be sent instructions through ONID. You will login to “Student Online Services” to respond to the online questionnaire. The results on the form are anonymous and are not tabulated until after grades are posted.