



## ANS 240: Animal Nutrition and Feeding

This course covers the fundamentals of animal feeding and nutrition. Topics include nutrient requirements and their functions, digestive tracts, diet formulation, and classification. Upon completion, students should be able to demonstrate a knowledge of appropriate feeding guidelines for a variety of animals contingent upon stage of development and disease condition. Students must have a "C" (73) or better in MTH 119, MTH 131, MTH 154 in order to take this class. (For Career Pathway, take MTH 125; for Transfer Pathway, take MTH 119 or MTH 131). Three lecture and two laboratory hours per week.

### Course Student Learning Outcomes

Upon completion, students should be able to: 1. Identify the classes of nutrients, their functions, and general feed sources. 2. Evaluate animal feed package labels and laboratory analysis, their meaning, and use in providing wholesome rations for animals. 3. Apply species-specific anatomy to the nutritional requirements, digestion, and feeding of animals. 4. Evaluate animal weight by using body condition scoring method. 5. Calculate daily energy requirements and ration formulation for animals. 6. Distinguish changes in nutritional requirements appropriate for age and physiological state in both healthy and diseased animals. 7. Recognize common feed-related medical problems and nutritional responsive medical conditions. 8. Communicate nutritional recommendations to support client compliance.

**Credits:** 4

**Program:** Animal Science