Principles of Animal Nutrition covers the classification and function of nutrients, digestion, and utilization of feeds. This includes nutrient requirements for livestock and poultry, nutrient composition, and feeding standards.
Proteins
Carbohydrates
Fats
Water
Minerals & Vitamins
Develop Rations for Swine, Beef, Dairy, Poultry, Horses
Classification of Feed Stuffs - Roughages, Concentrates, Supplements

Student Learning Outcomes

Explain the nutrient requirements of livestock and six basic nutrients.
Compare differences and similarities of digestive systems
Explain feed stuff digestion and nutrient absorption.
Identify symptoms of nutrient deficiencies.
Explain the analytical methods used to determine nutrient composition of feed stuffs.
Describe how to determine digestibility of feed stuffs.
Classify feed into the various categories.
Identify factors regulating feed intake by livestock.
Describe and apply mathematical solutions to animal diet formulations.
Compare life-cycle feeding programs for beef, swine, dairy, poultry, and horses.
Calculate rations for the various livestock species.

Is this course part of a transfer pathway: Yes ☐ No ☒

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