Fall

ANSC 499 Pet Food and Feed Regulation

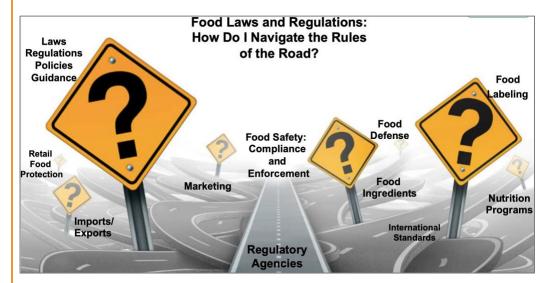
Instructor:



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Course description and main learning outcomes:

This is a 16-week online 3-credit course designed to train undergraduate, graduate students, and professionals in the pet food and feed industry on topics pertaining to the Food Safety Modernization Act (FSMA) and regulatory framework concerning specifically animal feed. Students at the end of this course will also be able to conduct hazard analysis, develop and apply pre-requisite programs, and build a safety food plan for animal feed and pet food.



Course objectives:

- 1. Understand main concepts of feed and pet food regulation, and the role of regulatory agencies, and agencies who assist in maintaining food safety without regulatory authority.
- 2. Examine different scenarios related to hazards, critical control points, and apply scientifically sound solutions to improve feed and pet food safety.
- 3. Feel educated and capable of developing a food safety plan for animal feed products.
- 4. Develop strong team-work and communication skills by engaging on weekly group assignments to develop solutions in improving safety at various stages of feed and pet food processing.

Course Modules	Main topics
1. Regulatory	- Overview of history of the feed industry and regulation
Overview and	- Regulatory framework: Role of USDA, FDA, and AAFCO
Principles of Food	- Non-nutritional supplements for pet animals: How are these
Safety	products regulated?
2. Principles of	- Introduction to current good manufacturing practices (cGMP)
cGMP and SOP	- Standard operating procedures (SOP) for pet food and animal
	feed
	- Application of cGMPs and SOP in the pet food and feed industry
3. Pet Food and Feed	- Identify potential hazards and categories
Safety Hazards	- Understand risk-based analysis
	- Assess severity and probability of known or reasonably
	foreseeable hazards
4. HACCP and	- Conduct hazard analysis, identify specific hazards, and explore
Preventive	resources to develop preventive controls,
Controls	- Determine required components to ensure process effectiveness
	of preventive controls for animal food
5. Supply Chain	- Understand the purpose of supply chain programs
Programs	- Verification programs for U.S and foreign suppliers
	- Implementation process of a supply chain program
6. Recall Plan	- Definition of recall and classes
	- Develop written recall plan for food safety hazards
	- Identify effective product disposition methods of unsafe products
7. Pet Food and Feed	- Understand and interpret AAFCO Model Regulations for Pet
Labeling	Food and Specialty Pet Food
	- Understand and interpret AAFCO Model Regulations for Feed
	labeling guide for non-medicated and medicated feed
8. Application and	- Interleave concepts discussed in previous modules and create a
Development of	food safety plan based on a specific product that students will
Food Safety Plan	select based on their area of interest.
for Pet Food and	
Feed	