Feed Quality Assurance and Formulation

See http://distance.ncsu.edu and click on Programs & Courses for information

A distance education course is available to meet the training needs of professionals in the feed manufacturing industry. This course will build upon the management, safety, and operations topics introduced in FM 425 “Feed Manufacturing Technology”. The course is designed to assist in the development of feed mill students, trainees, supervisors, and assistant managers. This online 2-credit course requires the successful completion of 4 training modules, including online discussion groups and practical assignments to enhance the learning experience.

**Unit # 1: Quality Assurance Program**

1. Purchasing & Receiving
2. Process Control
3. Finished Feed Inspection
4. Packaging & Delivery
5. Product Investigation & Recall
6. Good Manufacturing Practices (cGMP’s)
7. Bioterrorism
8. FDA Inspections
9. Certification Program

**Unit # 2: Feed Ingredients**

1. Ingredient Definitions
2. Cereal Chemistry
3. Cereal Grains
4. Rendered By-products
5. Plant Protein By-products
6. Mineral Sources
7. Micro Ingredients

**Unit # 3: Feed Formulation**

1. Anti-nutritional Factors & Mycotoxins
2. Medicated Feed Additives
3. Principles of Formulation
4. Ingredient Matrices
5. Formula Constraints
6. Formulation Constraints
7. Feed Tags
8. Feed Additive Compendium

**Unit # 4: Quality Assurance Testing**

1. QA Lab Management
2. Lab Safety
3. Standard Operating Procedures
4. Analytical Tests
5. Grain Grading
6. Feed Mill Quality Control

**TUITION AND FEES**: $294 for N.C. Residents and $562 for others.

For more information about this course and how to register contact:

Dr. Peter Ferket (peter_ferket@ncsu.edu) or Dr. Charles Stark (charles_stark@ncsu.edu)

Department of Poultry Science,
North Carolina State University,
Raleigh, NC  27695-7608
Tel: 919-515-5409 or 919-515-5399