

FM 480 Feed Quality Assurance and Formulation

The 16-week spring session begins January 11th, 2010

Registration Opens November 10th, 2009

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 PO 425 "Feed Mill Management and Formulation". 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

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

Unit # 2: Feed Ingredients

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

Unit # 3: Feed Formulation

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

Unit # 4: Quality Assurance Testing

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| 1. QA Lab Management | 4. Analytical Tests |
| 2. Lab Safety | 5. Grain Grading |
| 3. Standard Operating Procedures | 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:

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