

ANIMAL SCIENCE

*Effective Term – Summer 1997 [1997*02]*

ANS 110	Animal Science	3	0	3
Prerequisites:	None			
Corequisites:	None			

This course introduces the livestock industry. Topics include nutrition, reproduction, production practices, diseases, meat processing, and marketing. Upon completion, students should be able to demonstrate a basic understanding of livestock production practices and the economic impact of livestock in North Carolina.

*Effective Term – Fall 2001 [2001*03] – SBCC 4/20/01*

ANS 111	Sustainable Livestock Mgt	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course covers the integration of livestock as part of a sustainable farming system with emphasis on small-scale production for niche markets and pasture. Topics included are appropriate breed selection, nutrition and living requirements for livestock such as goats, hogs, sheep, poultry, and bees. Upon completion, student should recognize appropriate breeds for their farm needs and demonstrate knowledge of small-scale livestock production.

*Effective Term – Summer 1997 [1997*02]*

ANS 115	Animal Feeds & Nutrition	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course covers the fundamentals of animal feeding and nutrition. Topics include nutrient requirements, digestion, feed formulation, and classification. Upon completion, students should be able to demonstrate a knowledge of nutritional requirements and feeding practices of farm animals.

*Effective Term – Summer 2007 [2007*02] – CRC 3/21/07*

ANS 116	Intro to the Equine Ind	3	0	3
Prerequisites:	None			
Corequisites:	None			

This course provides an introduction to the equine industry. Topics include history, breeds, disciplines, economic impact, and career opportunities within the industry. Upon completion, students should be able to demonstrate a basic understanding of the equine industry and as it relates to animal science, production, and management

*Effective Term – Fall 2004 [2004*03] – CRC 3/09/04*

ANS 120	Beef Production	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course provides an introduction to the beef cattle industry. Topics include reproduction, cattle management, marketing, anatomy and physiology, and pasture management. Upon completion, students should be able to demonstrate a basic understanding of beef cattle production practices and the economic impact of the beef cattle industry in North Carolina.

*Effective Term – Summer 1997 [1997*02]*

ANS 120	Beef Production	2	2	3
Prerequisites:	ANS 110			
Corequisites:	None			

This course provides an introduction to the beef cattle industry. Topics include reproduction, cattle management, marketing, anatomy and physiology, and pasture management. Upon completion, students should be able to demonstrate a basic understanding of beef cattle production practices and the economic impact of the beef cattle industry in North Carolina.

*Effective Term – Fall 1998 [1998*03]*

ANS 130	Poultry Production	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course provides an introduction to the poultry industry. Topics include anatomy and physiology, reproduction, incubation, and husbandry. Upon completion, students should be able to demonstrate a basic understanding of poultry production and the economic impact of the poultry industry in North Carolina.

*Effective Term – Fall 2004 [2004*03] – CRC 3/09/04*

ANS 140	Swine Production	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course provides an introduction to the swine industry. Topics include basic skills for breeding, farrowing, nursery, and grower/finisher. Upon completion, students should be able to demonstrate a basic understanding of swine production practices and the economic impact of the swine industry in North Carolina.

*Effective Term – Summer 1997 [1997*02]*

ANS 140	Swine Production	2	2	3
Prerequisites:	ANS 110			
Corequisites:	None			

This course provides an introduction to the swine industry. Topics include basic skills for breeding, farrowing, nursery, and grower/finisher. Upon completion, students should be able to demonstrate a basic understanding of swine production practices and the economic impact of the swine industry in North Carolina.

*Effective Term – Summer 1997 [1997*02]*

ANS 141 Swine Herd Management 2 0 2
 Prerequisites: ANS 140
 Corequisites: None

This course is designed to expand topics covered in ANS 140. Emphasis is placed on management techniques as they relate to breeding, farrowing, nursery, and grower/finisher. Upon completion, students should be able to analyze and respond to management and production problems as they occur on the farm.

*Effective Term – Summer 1997 [1997*02]*

ANS 142 Swine Records & Analysis 2 2 3
 Prerequisites: ANS 140
 Corequisites: None

This course introduces production records utilized by the swine industry. Topics include types of records needed, establishing production goals, calculating production efficiencies, understanding computer applications in record keeping, and interpreting production data. Upon completion, students should be able to establish production goals, calculate production efficiencies, complete a production summary, and interpret data from computer printouts. *This course is a unique concentration requirement in the Swine Management concentration in the Livestock and Poultry Technology program.*

*Effective Term – Summer 1997 [1997*02]*

ANS 143 Swine Health Management 2 2 3
 Prerequisites: None
 Corequisites: None

This course covers all aspects of swine disease and health management. Emphasis is placed on disease identification and treatment, biosecurity and herd health plans, routine swine health practices, and laws and regulations applying to swine. Upon completion, students should be able to identify and recommend treatment for major diseases, develop a herd health plan, and describe the appropriate uses for medications. *This course is a unique concentration requirement in the Swine Management concentration in the Livestock and Poultry Technology program.*

*Effective Term – Summer 1997 [1997*02]*

ANS 144 Swine Housing & Waste Mgt 4 0 4
 Prerequisites: ANS 140
 Corequisites: None

This course includes the areas of swine waste management and confinement facilities for swine. Emphasis is placed on types of waste management systems, types of building systems used, and managing the internal environment in confinement buildings. Upon completion, students should be able to identify types of waste systems used, determine waste application rates, and identify types of housing and ventilation systems. *This course is a unique concentration requirement in the Swine Management concentration in the Livestock and Poultry Technology program.*

*Effective Term – Fall 2004 [2004*03] – CRC 3/09/04*

ANS 150 Animal Health Management 3 0 3
 Prerequisites: None
 Corequisites: None

This course introduces animal diseases and health management. Topics include identification, prevention, control, and treatment of diseases. Upon completion, students should be able to recognize disease symptoms, recommend treatments, identify preventive steps, and develop biosecurity procedures.

		Class	Lab	Credit
<i>Effective Term – Summer 1997 [1997*02]</i>				
ANS 150	Animal Health Management	3	0	3
Prerequisites:	ANS 110			
Corequisites:	None			

This course introduces animal diseases and health management. Topics include identification, prevention, control, and treatment of diseases. Upon completion, students should be able to recognize disease symptoms, recommend treatments, identify preventive steps, and develop biosecurity procedures.

<i>Effective Term – Fall 2004 [2004*03] – CRC 3/09/04</i>				
ANS 160	Animal Waste Management	3	0	3
Prerequisites:	None			
Corequisites:	None			

This course introduces proper animal waste management. Emphasis is placed on waste management practices, environmental laws and issues relating to animal waste, soil and water conservation, and dead animal disposal. Upon completion, students should be able to calculate proper application rates, apply best management practices, and identify methods of animal waste collection, storage, and utilization.

<i>Effective Term – Summer 1997 [1997*02]</i>				
ANS 160	Animal Waste Management	3	0	3
Prerequisites:	ANS 110			
Corequisites:	None			

This course introduces proper animal waste management. Emphasis is placed on waste management practices, environmental laws and issues relating to animal waste, soil and water conservation, and dead animal disposal. Upon completion, students should be able to calculate proper application rates, apply best management practices, and identify methods of animal waste collection, storage, and utilization.

<i>Effective Term – Summer 1997 [1997*02]</i>				
ANS 170	Sheep & Goat Production	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course provides an introduction to sheep and goat production. Topics include reproduction, marketing, and production practices specific to each species. Upon completion, students should be able to demonstrate a basic understanding of sheep and goat production practices and the economic impact of each.

<i>Effective Term – Summer 2007 [2007*02] – CRC 03/21/07</i>				
ANS 180	Equine Production	3	2	4
Prerequisites:	None			
Corequisites:	None			

This course provides an introduction to the production of horses. Topics include anatomy and physiology, reproduction, genetics, selection, and basic management practices. Upon completion, students should be able to demonstrate a basic understanding of the production and management of horses.

*Effective Term – Summer 1997 [1997*02]*

ANS 210 Livestock Prod Issues

3 0 3

Prerequisites: None

Corequisites: None

This course explores areas associated with livestock production. Emphasis is placed on monthly work schedules; qualities of a successful manager; and recruiting, motivating, and retaining employees. Upon completion, students should be able to prepare a livestock management program, write a resume complete an interview, and identify ways to improve community relations.

*Effective Term – Fall 2004 [2004*03] – CRC 3/09/04*

ANS 212 Livestock Records & Analy

3 0 3

Prerequisites: None

Corequisites: None

This course introduces records and record keeping systems utilized in the livestock industry. Topics include heritability, cattle performance data, swine performance data, and poultry production. Upon completion, students should be able to select animals based on performance records, evaluate performance of operations, and complete production records.

*Effective Term – Summer 1997 [1997*02]*

ANS 212 Livestock Records & Analy

3 0 3

Prerequisites: ANS 110

Corequisites: None

This course introduces records and record keeping systems utilized in the livestock industry. Topics include heritability, cattle performance data, swine performance data, and poultry production. Upon completion, students should be able to select animals based on performance records, evaluate performance of operations, and complete production records.

*Effective Term – Summer 1997 [1997*02]*

ANS 213 Animal Reproduction

2 2 3

Prerequisites: None

Corequisites: None

This course covers principles of reproductive physiology and their practical farm applications. Emphasis is placed on cattle and swine reproduction. Upon completion, students should be able to recognize reproductive anatomy, describe hormone function, and be able to breed animals naturally and artificially.

*Effective Term – Summer 1997 [1997*02]*

ANS 230 Poultry Management

3 0 3

Prerequisites: None

Corequisites: None

This course is designed to expand topics covered in ANS 130. Emphasis is placed on management techniques as they relate to brooding, growing, and housing poultry and the environmental needs of various types of poultry. Upon completion, students should be able to analyze and respond to management and production problems as they occur.

*Effective Term – Summer 1997 [1997*02]*

ANS 232	Meatbird Production	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course covers the fundamentals of meatbird production. Topics include breeding, hatching, brooding, and growout procedures for broilers and turkeys. Upon completion, students should be able to perform the fundamental skills required in meatbird production facilities. *This course is a unique concentration requirement in the Poultry Management concentration in the Livestock and Poultry Technology program.*

*Effective Term – Summer 1997 [1997*02]*

ANS 233	Exotic & Gamebird Prod	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course covers the fundamentals of exotic and gamebird production. Topics include production practices for gamebirds, emus, and ostriches. Upon completion, students should be able to demonstrate a knowledge of the different aspects of exotic and gamebird production. *This course is a unique concentration requirement in the Poultry Management concentration in the Livestock and Poultry Technology program.*

*Effective Term – Summer 1997 [1997*02]*

ANS 234	Egg Production	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course covers the fundamentals of poultry egg production. Topics include housing, feeding, and managing of layers and breeders. Upon completion, students should be able to demonstrate a knowledge of and perform fundamental skills needed for egg production facilities. *This course is a unique concentration requirement in the Poultry Management concentration in the Livestock and Poultry Technology program.*

*Effective Term – Summer 1997 [1997*02]*

ANS 240	Swine Prod Issues	2	0	2
Prerequisites:	None			
Corequisites:	None			

This course explores areas associated with the swine industry. Emphasis is placed on oral presentations, work schedules, résumés, letters of application, recruiting and motivating employees, interviewing, public relations, and in-service activities. Upon completion, students should be able to prepare a resume, complete a job application and interview, prepare work schedules, and make oral presentations..

See the SEL and SEM prefixes for generic Selected Topics and Seminar course descriptions.