
AGRICULTURE

Smith Hall, Room
- -
Fax: - -
agri@andrews.edu
www.andrews.edu/agriculture/

Faculty
Thomas N. Chittick,Chair
Stanley Beikmann
Katherine Koudele

Academic Programs	Credits
BS: Agriculture	
BS: Animal Science	
Emphasis Areas	
Pre-Veterinary Medicine	
Management	
Equine Science	
BS: Horticulture	
Emphasis Areas	
Landscape Design	
Landscape Management	
BT: Agriculture	
Emphasis Areas	
Crop Production	
Animal Husbandry	
Agribusiness	
BT: International Agriculture Development	
BT: Horticulture	
Emphasis Areas	
Horticulture Crop Production	
Landscape Design	
Landscape Management	
AT: Agriculture	
Emphasis Areas	
Crop Production	
Dairy Herd Management	
AT: Horticulture	
Emphasis Areas	
Landscape Designatherine K0(V)70(et)10(eriion)]TJ /Sf1.0ulturion	

by a departmental faculty member. Students submit a report of their experience and must complete a minimum of hours of work experience for each credit earned. Repeatable up to credits.

AGRI ( )
Research Seminar
Research results or internship reports in agriculture and related fields; presentations given by students, faculty and visiting lecturers. Spring

AGRI Alt ( )
Concepts of International Agriculture
A study of the relative significance of the role of external institutions and agency, financial programs for agricultural development, human resource development and agricultural education as a means of fostering worldwide agricultural development to counter-balance the threat to global food security and to overcome food deficits.

AGRI Alt ( )
International Agricultural Implementation
The application of scientific agricultural principles of food production, utilizing cultural practices based on appropriate agricultural technologies that support a philosophy of sustainability for future generations.

AGRI (–)
International Internship in_____
Supervised internship of on the job international work experience in agriculture/horticulture. Students submit a report of their experience to be evaluated by a departmental faculty member and must complete hours of work experience for each credit earned. Repeatable up to credits.

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ANSI S Alt ( )
Issues in Animal Agriculture, Research and Medicine
Study of the ethical issues that challenge animal researchers, producers, caretakers, and veterinarians to treat animals humanely yet effectively in society today.Spring

ANSI $ Alt ( )
Lactation Physiology
Anatomy and physiology of the udder, milk secretion, disease prevention and treatment, milking management and milking systems. Weekly: lectures and lab. Recommended: BIOL . Spring

ANSI Alt ( )
Animal Genetics
Basic genetics principles, cytogenetics, immunogenetics, population genetics and quantitative genetics, biotechnology, gene mapping and the use of molecular tools to research inherited disorders using examples of veterinary medicine. Recommended: BIOL . Spring

ANSI $ Alt ( )
Animal Reproduction
Anatomy and physiology of farm animal reproduction including the cellular and endocrine components as well as management aspects. Recommended: BIOL .Spring

ANSI $ Alt ( )
Physiology of Farm Animals
Physiology of digestive, cardiovascular, pulmonary, excretory, nervous, and skeletomuscular systems in domesticated ruminants and monogastrics. Weekly: lectures and a -hour lab. Recommended: BIOL . Fall

ANSI Alt ( )
Equine Exercise Anatomy & Physiology
The anatomy and physiology of the limbs (shoulder and pelvic girdles, legs, feet) as well as the respiratory tract, all of which are vital to a horse's usefulness.Spring

ANSI Alt ( )
Equine Health and Disease
Topics covered in depth are: the causes of infectious (e.g. tetanus, strangles) and non-infectious (e.g. laminitis, colic, injury), diseases of horses, their prJ 0 -1r10(t)1(<0the)1(ca)20(uses)1(on89)10(tir)10(dles)101_0 1 Tf PrieDd [(nl)1(t)1o1(lau)10(g).874089 0 Td [(Fa)-45

HORT $( )
Land Surveying
Course introduces the principles of land surveying such as measurements of distance, elevation and angles, instrumentation and mapping, and GIS. Weekly: lecture and hours of labFall

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