

ANIMAL SCIENCE (ANSC)

ANSC 437G Physiology/Reproduction 2 Hours

Endocrinology and physiology of reproductive systems; anatomical physiology and biochemical bases of reproduction, artificial insemination, synchronized estrus and related topics are presented.

Prerequisite(s): BIOL 120

Corequisite(s): ANSC 438G

Recent Term(s) Offered: fall 2022; fall 2024

ANSC 438G Physiology/Reproduction Lab 1 Hour

A laboratory course correlated with ANSC 437G. Laboratory, two hours.

Corequisite(s): ANSC 437G

Recent Term(s) Offered: fall 2022; fall 2024

ANSC 446G Animal Breeding 2 Hours

Application of genetic and statistical principles of breeding and improvements of farm animals; the role of selection in changing populations; the effects of different mating systems upon improvement of farm animals are investigated.

Prerequisite(s): ANSC 140 and BIOL 120

Corequisite(s): ANSC 447G

Recent Term(s) Offered: None

ANSC 447G Animal Breeding Lab 1 Hour

A laboratory course correlated with ANSC 446.

Corequisite(s): ANSC 446G

Recent Term(s) Offered: None

ANSC 448G Animal Feeds and Feeding Practices 4 Hours

Livestock feeds and their nutrients; functions of and requirements for nutrients; evaluation of feeds; feeding practices and formulation of rations for all classes of livestock are included.

Prerequisite(s): ANSC 345 or permission of instructor

Recent Term(s) Offered: spring 2022

ANSC 475G Selected Topics 1-3 Hours (repeatable max of 6 hrs)

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit.

Prerequisite(s): permission of instructor

Recent Term(s) Offered: spring 2022; fall 2022

ANSC 533 Physiology of Lactation 3 Hours

Anatomy of the mammary gland, hormonal control of mammogenesis, initiation and maintenance of milk secretion, factors affecting level and composition of milk, synthesis of milk.

Prerequisite(s): ANSC 344

Recent Term(s) Offered: None

ANSC 545 Ruminant Nutrition 3 Hours

Rumen development and function, products of fermentation, nutrient requirements, absorption and metabolism, symptoms of deficiency and toxicity.

Prerequisite(s): (ANSC 345 and BIOL 446) or equivalent or permission of instructor

Recent Term(s) Offered: None

ANSC 547 Advanced Animal Nutrition 3 Hours

The nutrient requirements of the monogastric animals, structure, metabolism and function of each nutrient class, interrelationship of the nutrient classes, deficiency and toxicity symptoms.

Prerequisite(s): (ANSC 345 and BIOL 446) or equivalent or permission of instructor

Recent Term(s) Offered: None

ANSC 675 Advanced Topics in Animal Science 1-3 Hours (repeatable max of 6 hrs)

Issues and scientific developments of current interest.

Recent Term(s) Offered: fall 2022; fall 2023; spring 2024; fall 2024