

# ANIMAL SCIENCES (ANSC)

---

# Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

## ANSC 999 - Doctoral Research

**Credits:** 0

Doctoral Research.

**Grade Mode:** Graduate Credit/Fail grading

**Special Fee:** Yes

## ANSC 808 - Ruminant Nutritional Physiology

**Credits:** 3

Anatomy of the ruminant gastrointestinal tract, physiological factors related to rumen function, and microbial and whole-body metabolism of carbohydrates, protein, and lipids.

**Grade Mode:** Letter Grading

## ANSC 810 - Dairy Nutrition

**Credits:** 4

Feeding and related management of dairy cows, nutrients and their use, digestive anatomy, physiology, energy systems, forage quality and conservation methods, metabolic disorders, ration balancing.

**Grade Mode:** Letter Grading

## ANSC 815 - Physiology of Lactation

**Credits:** 4

Examines the biological and biochemical influences of the lactation process. Emphasis on the physiological effects of environments, hormones, and nutrition on milk synthesis and secretion, mammary physiology, and maternal response.

**Grade Mode:** Letter Grading

## ANSC 827 - Advanced Dairy Management I

**Credits:** 4

Advanced management evaluation of milking procedures, reproduction, nutrition, mastitis, and calf and heifer management.

**Grade Mode:** Letter Grading

## ANSC 828 - Advanced Dairy Management II

**Credits:** 4

Advanced management evaluation of dairy cattle, housing, milking equipment, milk quality, record keeping, herd health, financial, personnel management, environmental issues. Visits to farms in the area to provide critical assessments of dairy farm businesses.

**Grade Mode:** Letter Grading

**Special Fee:** Yes

## ANSC 895 - Investigations

**Credits:** 1-4

Investigations in genetics, nutrition, management, diseases, histology, equestrian management/agribusiness, physiology, cell biology, microbiology, dairy management, or teaching experience.

**Repeat Rule:** May be repeated for a maximum of 4 credits.

**Grade Mode:** Letter Grading

## ANSC 899 - Master's Thesis

**Credits:** 1-6

Master's students must enroll for a total of 6 credits of this course.

Students may enroll in 1-6 credits per semester.

**Repeat Rule:** May be repeated for a maximum of 6 credits.

**Grade Mode:** Graduate Credit/Fail grading

## ANSC 995 - Non-thesis Investigations in Animal Science

**Credits:** 1-4

Advanced investigations in a research project, exclusive of thesis project. Elective only after consultation with the instructor. Offered both fall and spring semesters.

**Repeat Rule:** May be repeated for a maximum of 4 credits.

**Grade Mode:** Letter Grading