

# ANSC 326. FUNDAMENTALS OF POPULATION GENETICS.

---

Credits: 3

Offered by: Animal Science (Faculty of Agric Environ Sci)

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

## Description

Population genetics mechanisms in mammals, birds and plant. Factors influencing gene, genotype, and phenotypic frequencies. Effects of different types of selection, Hardy-Weinberg, linkage and recombination, polymorphisms and heterozygosity, population size, random drift and inbreeding on gene and genotype frequencies. Relationship between quantitative genetic parameters and gene frequencies.

- Prerequisites: AEMA 310 or equivalent or permission of instructor and CELL 204 or LSCI 204 or equivalent or permission of instructor.
- Prerequisites: AEMA 310 and LSCI 204, or equivalents, or permission of the instructor.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

[Launch Visual Schedule Builder](#)