

Course Schedule - Fall 2006

Animal Sciences

446 **Population Genetics** Credit: 3 or 4 hours.

Mathematical theory of the genetics of populations: estimation of allele frequency for autosomal and X-chromosomal loci, Hardy-Weinberg principle, systems of mating, relationship between relatives, forces that change allele frequency, and quantitative inheritance. Applications to animals, plants, and humans. Same as IB 416. Students desiring 4 hours credit do additional work in some area of population genetics. Prerequisite: ANSC 340; IB 150 or IB 220; one of MATH 220, MATH 221, MATH 234; or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
36960	laboratory	A	09:00 AM - 10:50 AM	F	room 107 Animal Sciences Laboratory	Shanks, R
	lecture-discussion	A	09:00 AM - 09:50 AM	MW	room 107 Animal Sciences Laboratory	Shanks, R