



ONLINE EXTENSION COURSE

HORSE GENETICS



The art of horse breeding has shaped horse genetics since domestication, yet most horse professionals have little understanding of the fundamentals of genetics. In this six-week online extension course we will examine the underlying mechanisms of inheritance in a number of traits. Concepts covered will include coat color, genetic disease, parentage testing and some insights on complex traits of performance and behavior.

This extension program is 100% online, with weekly modules that can be fulfilled according to the student's personal time schedule. At each week, a new subject will be approached, for a total of SIX modules. In each module, the student will find pages with suggested reading and instructions, two narrated slideshows, activities and comprehension quizzes. In total the program requires 3h of work per week to complete.

Target Audience

Horse breeders, equestrian enthusiasts, people working in the field of Veterinary, Animal Sciences or Biology, horse trainers and equestrian professionals. Anyone interested in gaining a better understanding of the horse genetics field.

At the conclusion of this course students will have the ability to:

1. Use the principles of inheritance to predict phenotype, based on genotype.
2. Describe the symptoms and implications of genetic disease in the horse.
3. Advantageously utilize diagnostic genetic tests to plan a breeding program.

**ASK YOUR
BREED
ORGANIZATION
ABOUT GROUP
DISCOUNTS**

INSTRUCTOR:

Dr. Samantha Brooks

APRIL 3-MAY 12, 2017

FEE: USD\$200.00

**[ufequinegenetics.org/
online-courses.html](http://ufequinegenetics.org/online-courses.html)**



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