Lorinery Science

At a glance…

Assessed Customised Provision

Duration Notes: 4 days

Recognised by: Lantra Awards

Introduction

This course gives a more detailed look at the science behind bits and bitting.

Overview in brief

This Lantra-accredited Customised Award is exclusively developed and delivered by a Lantra-approved Training Provider, who meets our quality standards. The course is specifically tailored to meet learners' needs. For further details about the course content and delivery locations, please contact the Training Provider using the details provided below.

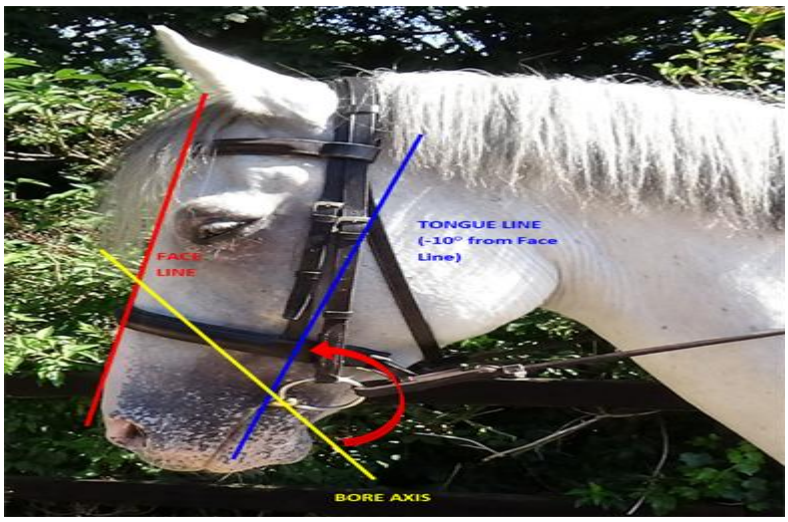
The minimum age to undertake this course is 16.

This course is intended to take a closer look at the forces applied with different bits and what's pressing on the horse's tongue.

The finer details

You will start to categorise bits depending on their design and action. Building on knowledge gained in the foundation course, covering equine mouth anatomy and some basic physical principles, this course develops your scientific understanding of the bit and its action in the mouth.

This course may be completed over 8 weeks.



Who should attend?

Anyone with an interest in how bits operate from a mechanical perspective and has successfully completed the Fundamentals of Bits and Bitting Foundation course.

What will be covered?

- Quantify the significance of data taken from experiments or sample populations
- Explain the meaning of uncertainty in scientific reporting
- Quantitatively explain the force redistribution of the rein tension
- Identify the class of action of a bit and bridlework combination
- Explain how the mouthpiece is brought into alignment with the anatomy of the mouth of the horse
- Explain the basic lever and pulley machines present in a bit and bridlework arrangement
- Submit a case study measuring what bit features are pressing into the horse's tongue
- Indicate how methods used to analyse time-force data are used to interpret the effectiveness of horse and rider.