



CERTIFICATE IN EQUINE CARE & BREEDING

courses4me

**Would you like to speak to one of our
course advisors for further information?**

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Certificate in Equine Care & Breeding

Learn how horses can be bred

Horse breeding is an important sector within the equine industry. Breeding horses is of great value to anyone who works with horses, not only breeders.

There are many different reasons to breed horses, ranging from increasing the number of animals to improving the qualities of the animals we have. Desirable qualities in an animal can be varied; from the horse's vigor and strength to conformation and temperament.

Did you know?

Horses are majestic and intelligent animals that require proper care and breeding to maintain their health and well-being. By providing proper care and breeding practices, you can ensure the health and happiness of your horses.

About Us

Courses4me is the leader in online education with decades of experience in both public and private education. Our founders have a combined 30 years of expertise in education and training and have joined forces to deliver high-quality, low-cost education to anyone wishing to advance their career.



Accredited by

We are proud to announce that all our courses at Courses4Me are accredited by the International Council for Online Educational Standards (ICOES), a respected global organisation dedicated to ensuring the quality of online education. This prestigious accreditation signifies that Courses4Me has met the rigorous standards set by ICOES, solidifying our reputation for delivering excellence in online education worldwide. We are committed to providing high-quality courses and look forward to welcoming students from around the globe to our accredited programs.

Endorsement from *Quality for Excellence in Education*

All online courses offered by Courses4me are fully endorsed by the International Approval and Registration Centre (IARC), a quality control system for education programs and courses in international education. Based in Queensland, Australia, the IARC's Committee Board of accomplished education professionals work to endorse quality education courses in the international market. The IARC endorsement ensures that Courses4me maintains a high level of respect in academic circles within a range of disciplines in Australia and beyond.

Course Overview



Duration / Study Method

The course will take approx. 300 hrs to complete.

The course is done completely online and from the comfort of your home. We offer self-paced learning and direct tutor support for each individual student



Payment Methods

Pay for the course upfront or set up a no-deposit and interest-free payment plan today from only \$25 per week.



Assessments

Includes case studies, quizzes and written assessments, that are marked with personalised feedback. Problem based learning projects working one on one with your tutor.



Support

All students have unlimited access to their very own professional tutor over the phone or via email.



Core Modules

Horse psychology and handling

- The early horse
- Survival mechanisms of the early horse
- The modern horse - behaviour and memory
- Using psychology to handle horses
- Catching and leading horses
- Fitting the bridle and saddle
- Tying up a horse
- Safety rules

Buying a horse

- Temperament
- Size
- Weight carrying ability
- Age
- Equine dentition and ageing
- Glossary of terms
- Dentition diagrams and detailed explanation
- Colour and markings
- Breeds

The digestive system and principles of feeding and watering

- The digestive System
- The alimentary canal
- The Stomach
- The small intestine
- The large intestine
- Absorption of food
- Groups of food nutrients
- The composition of some common horse feeds
- The principles of watering
- The principles of feeding
- Feeding concentrates and roughages
- Feeding groups of horses at one time

Conformation

- The shape of the skeleton
- Body proportions and parts
- Conformation problems
- How to describe confirmation

Core Modules

The grass kept horse and pasture management

- Advantages and disadvantages of working off grass
- Paddock size and minimum area needed
- Types of fencing
- The water supply
- Shelter
- Fodder trees
- General management of the grass-kept horse
- Management in summer
- Management in winter
- Exercise
- Grooming the grass-kept horse
- Conservation of the land
- Keeping horses at grass on small areas
- Roughing off and turning a horse out

Grooming

- The skin - epidermis, dermis, the coat
- How the skin regulates body temperature
- Reasons for grooming
- Grooming tools
- Grooming techniques - strapping, sponging, brushing
- Using a stable rubber, dealing with stable stains on grey coats
- Oiling the feet
- Quartering
- Setting Fair/Brushing off
- Washing the mane and tail
- Washing the sheath
- Shampooing the horse

Industry Applications

- Resources
- Writing resumes - employment readiness
- Competition horses (overview) - event horse, dressage horse, show jumper, endurance
- Educating Horses
- Breeding
- Farm planning
- Short term operations
- Farm business structures
- Quality management systems
- Whole farm planning
- Preparing a farm business
- Managing risk
- Sensitivity analysis
- Financial management
- Record keeping
- Finance sources
- Setting up a small business

Core Modules

Why breed horses?

- An understanding of heritability is fundamental
- Meiosis
- The Work of Gregor Mendel
- Chromosomes and Genetics in Breeding
- Selecting the mare and the stallion
- Quantitative and Qualitative Inheritance
- Inbreeding and Linebreeding
- The Genetic Effect of Inbreeding
- Line Breeding
- Advantages of Inbreeding
- Stallion and Mare Complementation
- The Industry

Mare Anatomy

- The Reproductive Cycle of the Mare
- Hormonal Control
- Abnormal Oestrus
- Breeding Fitness
- General Broodmare Care
- Nutrition and Feeding
- Rations
- Carbohydrates
- Fat
- Protein
- Vitamins
- Roughage
- Hay
- Pre-Season Care

Stallion Anatomy

- Sperm Production
- Semen Release
- Reproductive Cycle of the Stallion
- Breeding Fitness
- General Stallion Care
- Handling
- Pre-Season Care
- Stallion Management for Reproduction
- Training the young stallion
- Steps in training a novice stallion onto the phantom
- Common clinical problems with stallions
- Castration (Gelding)

Core Modules

Managing the Arrival and Departure of the horse at the stud

- Semen from the stallion
- Collection and Processing
- Evaluating the Quality of Sperm
- Breeding methods
- Natural Breeding
- Live cover – In-hand or Pasture
- Artificial insemination
- Handling Frozen Semen
- Embryo transfer
- When to breed
- Detection of Oestrus
- Teasers
- Visual Signs
- A plan for when things go wrong
- Sexually Transmitted Infections

Care of the Pregnant Mare

- Nutritional Requirements
- Caslicked Mares
- Preparation for foaling
- Exercise Needs
- Worming
- A deworming program for mares
- Preparation of the foaling environment
- Preparation for if things go wrong
- The Physical Environment - Bedding
- Common Bedding in the Foaling Environment
- Straw
- Wood Shavings
- Wood Pellets
- Rubber Matting
- The Parturition Process
- Stages of Labour
- Common Foaling Problems
- Dystokia
- Abnormal Presentations
- Health Problems of the post-partum mare
- Retained placenta
- Haemorrhage
- Post-Partum Metritis
- Rejection of the Foal
- Prolapsed Uterus
- Lactation (Udder edema)
- Lactation (reduced milk supply)
- Foal and foaling reports
- Example Foaling Record
- Example Foal Report

Core Modules

Pre-natal growth

- Conception of twins
- Gestation and Methods and Detecting Pregnancy
- Methods of Diagnosis
- Palpation
- Pregnancy Tests
- Ultrasound
- Post-Natal Growth

General newborn care

- Stabling and safe environment for newborn foals
- Lactation and suckling
- Premature Foals
- Orphan foals
- Common health problems in newborn foals
- Infections, Constipation, and Diarrhoea
- Septicaemia
- Meconium Impaction
- Diarrhoea
- Congenital disorders
- Neonatal Isoerythrolysis (NI)
- Angular Limb Deformities
- Flexor and Extensor Tendon Abnormalities
- Delayed Ossification of the Cuboidal Bones
- Heart Murmurs
- Congenital Papilloma (Warts)
- Entropion
- Neurological disorders
- Neonatal Maladjustment Syndrome (NMS)
- Head Tilt
- Structural abnormalities
- Uroperitoneum
- Umbilical Hernias
- Training a foal in the earliest stages

Core Modules

Introduction to Fertility

- Understanding Fertility in Mares
- Understanding Fertility in Stallions
- Handling and Management in Stallions
- Age
- Overuse
- Nutrition
- Illness and Injury
- Other Abnormalities
- Semen problems
- Haemospermia
- Urospermia
- Oligospermia
- Structural disorders of the reproductive tract (mares)
- Pneumovagina
- 'Maiden Cervix' or Cervical Incompetence
- Vesicovaginal Reflux or Urine Pooling
- Structural disorders of the reproductive tract (stallions)
- Cryptorchidism
- Testicle Conformation
- Testicular Torsion
- Testicular Tumours
- Scrotal Hernia
- Venereal diseases (mares)
- Endometritis
- Bacterial Endometritis
- Fungal Endometritis
- Mating Induced Endometritis
- Contagious Equine Metritis (CEM)
- Equine Viral Arteritis (EVA)
- Pyometra
- Abnormal Oestrus Cycles
- Silent Heat and Post-Partum Anoestrus
- Persistent Oestrus
- Vernal Transition
- Ovarian Tumours
- Persistent Corpus Luteum
- Haemorrhagic Follicles
- Abortion
- Venereal diseases (stallions)
- Bacterial Infections
- Equine Viral Arteritis (EVA)
- Equine Coital Exanthema
- Dourine
- Contagious Equine Metritis (CEM)
- Infectious causes of abortion (mares)
- Viral Abortion
- Bacterial Abortion
- Leptospirosis
- Non-infectious causes of abortion (mares)
- Congenital Defects
- Twinning
- Umbilical Cord Torsion
- Progesterone Deficiency



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