



Certificate in Horse Breeding

Course Guide



Certificate in Horse Breeding

Turn your love for horses into a career

Have you always loved horses and wanted a career in caring for them? Do you want to start a business in the equine industry? Horse breeding is an area that gives you complete control over the care and management of horses to produce the best foals for riding or racing.

Successful horse breeders need to have a deep understanding of selecting the right mares and stallions, as well as pairing the right characteristics, strengths and personalities for a strong and healthy foal.

This course covers everything you need to know about general horse care and all professional breeding processes and practices. If you're looking to pursue a passion in caring for and breeding horses then this is the course for you.

Perfect for people wanting to work with horses or are looking to start their own business in breeding horses.





About us

Careers Collectiv is about practical education with a focus on providing courses relevant to real life.

We help you gain the knowledge, skills and confidence to try a new career path, broaden your professional development, start a new business or explore a passion and deepen your understanding in a special interest.

Careers Collectiv was founded by a family who are passionate about providing quality education, accessibility for everyone and the flexibility to work at your own pace and in your own time. They have over a decade of experience in the online education sector after establishing a college specialising in the beauty industry.

Our teachers

We only use teachers who are active in their specialised industry. Learn from people who have first-hand experience in their subject matter and current industry expertise. Staff come from varied backgrounds with teaching and vocational experience from universities and vocational colleges.

Courses provide flexible options for different career pathways, self-improvement, professional development and general adult education.

We give our students the skills, tools and structure to learn in real life situations without compromising on academic excellence.



Recognition



All Careers Collectiv courses come with a certificate of attainment upon completion.

Our courses are accredited with the International Approval and Registration Centre (IARC), a non-profit association providing a quality control system for education programs and courses in international education.



Certificate in Horse Breeding

Learn how to select, breed, care and nurture foals for riding and racing.

This is a great introductory course for students looking to study and enter into the equine industry or start a breeding farm.

The course has two key modules. One is focused on general care which covers care, grooming, feeding and selecting horses, the other is breeding which includes mare and stallion anatomy, managing studs, the breeding process and caring for pregnant mares and newborns.

If you're wanting to work with horses, look after or breed them, then this is a great course to learn the process and gain knowledge to breed horses successfully.

Who is the course for?

This course is designed for students with no previous experience working with and caring for horses. It is also an ideal course for individuals looking to gain employer recognition on their resume, increase job prospects or start their own horse breeding business.



2 modules



200 hours

This course has 2 main core modules

- Breeding Horses
- Horse Care I





Learn from experts in their field who guide you to see, do, think and experience learning on your own terms and at your own pace.

A well rounded learning experience

The Certificate in Horse Breeding dives into the genetics of breeding to give you the foundations on why we breed horses and help you find the right qualities when selecting the right stallion and mare.

This course will also help you understand and address any issues, diseases and problems that may arise before during and after the breeding process with an in-depth unit on horse fertility and foal care.

No matter what your level of experience, this course will provide the skills and confidence to start your business in breeding horses or gain employment in a variety of roles in the equine industry.

Assignments

Each lesson in your course modules culminate in an assignment which is submitted online, marked by the school's tutors and returned to you with suggestions and feedback.

Career prospects

This course opens up many different opportunities in the equine industry.

Where could you work?

- Horse breeder
- Horse Trainer
- Agistment Manager
- Stable Manager
- Horse Groomer
- Equine Vet Assistant
- Retail Assistant in an equine supplier or store

Course modules

Breeding Horses

1 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

2 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

3 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)

4 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

5 Pre-natal Growth

- Conception of twins
- Gestation methods and detecting pregnancy
- Methods of diagnosis
- Palpation
- Pregnancy tests
- Ultrasound
- Post-natal growth

6 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

Breeding Horses (Continued)

- 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)
- 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

7 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

8 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
- Pneumovagina
- Maiden cervix' or cervical incompetence
- Vesicovaginal reflux or urine pooling
- Structural disorders of the reproductive tract
- 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

Horse Care I

1 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

2 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

3 Conformation

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

4 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
- 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

5 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

6 Grooming

- The skin - epidermis, dermis, the coat
- How the skin regulates body temperature
- Reasons for grooming
- Grooming tools and 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

7 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



Course overview



Course duration

This course is made up of 2 in-depth modules. The amount of study time required to complete this course is approximately 200 hours of study, approximately 13 weeks.

There are options to reduce the modules from this program. Just speak to one of our team members for more information.



Supporting you in your studies

With our courses you are not on your own. Careers Collectiv provides the highest level of support possible.

Your tutor will provide you with their email and contact number to ensure you always have support throughout your course. Our tutor support service is available to you 24 hours, 7 days a week.



24/7 Access

Online 24/7 access to your course allowing you to fit your study in with your schedule.



Certification

A certificate of attainment will be issued upon completion of your course.

Careers Collectiv benefits

- Study from anywhere, anytime
- No experience required
- No set deadlines
- Lifetime access to your course

Flexible payment options

This course can be paid off through an interest free payment plan for \$25 per week.

The overall price will vary depending on the options you select. We also offer a 30% discount for upfront payments.

To find out more about the course that best suits your needs, talk to one of our career advisors on **1300 001 703**.

Call our career advisors for payment options on **1300 001 703**

careers collectiv 

AU 1300 001 703

NZ +61 1300 001 703

support@careerscollectiv.com

careerscollectiv.com