

MODULE AGR3070: EQUINE 2 (MANAGEMENT TECHNIQUES)

Level: Advanced

Theme: Technology and Applications

Prerequisite: AGR2070 Equine 1 (Materials & Processes)

Module Description: Students demonstrate practical skills and approved practices in providing for the daily care of a horse, focusing attention on the use of physical facilities, procedures for stall cleaning and bedding a horse, guidelines for turnout and shelter, reproductive fundamentals and techniques, and basic horsemanship.

Module Parameters: Access to a horse and appropriate equine housing/fencing structures.

Off-campus learning is required to support the development of practical skills in the care of horses and in horsemanship; consultation with a work site supervisor ensures that relevant safety considerations are addressed and that student learning meets or exceeds the learner expectations in this module.

It is recommended that students have a minimum of 50 hours of previous experience in horse handling and horse care prior to commencing the study of AGR2070 Equine 1 and AGR3070 Equine 2.

See the *Off-campus Education Guide for Administrators, Counsellors and Teachers* (Alberta Education, 1995) for further information regarding off-campus learning.

Note: Learner expectations in AGR2070 Equine 1 and AGR3070 Equine 2 are introductory to competencies developed in the two-year Equine Science Diploma Program at Olds College, Alberta. Opportunities for recognition of prior learning may be considered upon admission to this post-secondary program.

Supporting Module: CTR2210 Workplace Safety (Practices) [Career Transitions Strand]

Because of the practical nature of this module, students need a general knowledge of accepted practices and potential hazards when performing tasks related to the care of horses. See Planning for Instruction in Section C for further information on student safety.

MODULE AGR3070: EQUINE 2 (MANAGEMENT TECHNIQUES) (continued)

Curriculum and Assessment Standards

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> • identify factors to consider in selecting a stable and other physical facilities • demonstrate practical skills and approved procedures for stall cleaning, bedding a horse, turnout and shelter 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> • completing a research project that examines desirable features of a stable and other physical facilities. Research to address selection criteria for: <ul style="list-style-type: none"> – stalls – interior ancillary facilities – feeding and watering equipment – waste management systems – fencing structures. <p><i>Assessment Tool</i> <i>Research Process: Selection Criteria for Stables and Physical Facilities, AGR3070-1</i></p> <p><i>Standard</i> <i>Complete all components of research to a standard of 3 on the rating scale</i></p> <ul style="list-style-type: none"> • demonstrating practical skills and approved procedures within <u>each</u> of the following areas of daily horse care: <ul style="list-style-type: none"> – cleaning a stall – bedding a horse – turnout and shelter. <p><i>Assessment Tool</i> <i>Task Checklist: Equine 2, AGR3070-2</i> <i>Lab Assessment: Animal Care, AGRLAB-ANM</i></p> <p><i>Standard</i> <i>Achieve a minimum performance rating of 2 in each area of task and lab assessment</i></p> <ul style="list-style-type: none"> • maintaining an anecdotal record of daily horse care tasks performed. <p><i>Assessment Tool</i> <i>Log/Record of Animal Care, AGRLOG-ANM</i></p> <p><i>Standard</i> <i>Complete all sections of the log/record for daily horse care tasks performed over a negotiated/contracted period of time</i></p>	<p>15</p> <p>35</p>

MODULE AGR3070: EQUINE 2 (MANAGEMENT TECHNIQUES) (continued)

Concept	Specific Learner Expectations	Notes
Physical Facilities	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • describe the use of stables and other confinement structures used in caring for equine; e.g.: <ul style="list-style-type: none"> – fences and shelters – totally confined rearing structures • describe criteria relevant to the selection and/or design of structures and equipment; e.g.: <ul style="list-style-type: none"> – function, operation and maintenance – safety and efficiency – ethical, legal and environmental factors – economics and cost • identify specific factors to consider in selecting: <ul style="list-style-type: none"> – a stall – type of flooring – interior ancillary facilities • describe selection criteria relevant to watering and feeding systems • describe approved waste management systems • describe factors to consider in selecting an appropriate type of fencing • identify policy, legislation and safe practices relevant to the use of physical structures and equipment. 	<p>Collect pictures of appropriate horse shelters for specific applications.</p> <p>Design/construct models of approved structures and equipment.</p> <p>Discuss watering and feeding equipment and efficient locations.</p> <p>Research and construct models of fences, gates, corrals, watering/feeding systems, etc., suited to equine.</p>
Stall Cleaning, Bedding, Turnout and Shelter	<ul style="list-style-type: none"> • describe the characteristics of a healthful environment for horses; e.g.: <ul style="list-style-type: none"> – sanitation – housing – pest control – exercise • identify agents and sources of stress for a horse, and their effects on general health • describe veterinary services that are available, and the protocol for accessing these services 	<p>Discuss health indicators for equine:</p> <ul style="list-style-type: none"> • physical signs • normal vital signs • behaviour. <p>Consider animal stress in relation to animal confinement.</p> <p>Research symptoms of common diseases requiring veterinary care.</p>

MODULE AGR3070: EQUINE 2 (MANAGEMENT TECHNIQUES) (continued)

Concept	Specific Learner Expectations	Notes
<p>Stall Cleaning, Bedding, Turnout and Shelter (continued)</p>	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • demonstrate appropriate procedures for cleaning and disinfecting stalls • demonstrate appropriate procedures for bedding a horse • demonstrate appropriate procedures for turnout and shelter. 	<p>Establish task checklists and a chore log for stall cleaning and equine bedding routines.</p> <p>Plan and implement a daily equine exercise program.</p>
<p>Reproductive Cycle and Techniques</p>	<ul style="list-style-type: none"> • explain reproductive processes characteristic of equine; e.g.: <ul style="list-style-type: none"> – estrus cycle – gestation period – natural service/artificial insemination – normal birth process – age criteria for breeding • identify the signs of estrus in a mare • describe methods of preparing a mare and stallion for breeding; e.g.: <ul style="list-style-type: none"> – teasing protocol – hormone treatments – artificial light • describe appropriate procedures for the care and handling of mare and stallion during the breeding season • explain reproductive technologies that are used in equine breeding; e.g.: <ul style="list-style-type: none"> – artificial insemination – embryo transfer – estrus manipulation – gender selection. 	<p>Discuss reproductive anatomy of the mare and stallion.</p> <p>Consider different breeding systems:</p> <ul style="list-style-type: none"> • pasture breeding • hand breeding • artificial insemination. <p>Discuss variations in the estrus cycle and their management.</p> <p>Identify factors affecting response to teasing; e.g.:</p> <ul style="list-style-type: none"> • age • temperament • handling procedures • weather • health. <p>Invite/visit a local veterinarian to discuss selection and breeding systems.</p>

MODULE AGR3070: EQUINE 2 (MANAGEMENT TECHNIQUES) (continued)

Concept	Specific Learner Expectations	Notes
<p>Horsemanship Techniques</p>	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • demonstrate active and passive use of hands in riding; e.g.: <ul style="list-style-type: none"> – acting – yielding – holding – following • demonstrate active and passive use of the seat in riding; e.g.: <ul style="list-style-type: none"> – at the walk – at the trot – at the lope • demonstrate active and passive use of legs in riding; e.g.: <ul style="list-style-type: none"> – acting – yielding – following leg • demonstrate appropriate use of artificial aids in reinforcing natural riding aids; e.g.: <ul style="list-style-type: none"> – riding crop – spurs • display stability and balance while riding by maintaining an independent seat • explain the use of psychology in achieving personal riding goals; e.g.: <ul style="list-style-type: none"> – focusing – imagery – self-talk • demonstrate appropriate use of selected bits in communicating with a horse; e.g.: <ul style="list-style-type: none"> – snaffle bits – curb bits 	<p>Refer to <i>The Complete Guide to Western Horsemanship</i> (J. P. Forget) for a comprehensive account of basic horsemanship techniques.</p> <p>Discuss the appropriate use of reins in negotiating various manoeuvres; e.g.:</p> <ul style="list-style-type: none"> • open rein • direct rein of opposition • neck rein • indirect rein of opposition. <p>Explain the effect of lateral seat aids.</p> <p>Discuss strategies for using the human voice as a natural training aid.</p> <p>Plan and implement an equine training program.</p> <p>Establish a personal training routine for developing an independent seat; e.g.:</p> <ul style="list-style-type: none"> • exercises on horseback • physical conditioning. <p>Discuss personal attributes of a successful rider.</p> <p>Establish short- and long-term performance goals, and a list of tasks that will assist in achieving each goal.</p> <p>Research the anatomy of a horse's mouth and the mechanics of bits and biting.</p>

MODULE AGR3070: EQUINE 2 (MANAGEMENT TECHNIQUES) (continued)

Concept	Specific Learner Expectations	Notes
<p>Horsemanship Techniques (continued)</p>	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • explain applications of various biting devices in the training of horses; e.g.: <ul style="list-style-type: none"> – draw reins – German martingale – running martingale – standing martingale – cavesson. 	<p>Discuss care of the horse's mouth and teeth as it relates to the prevention of biting problems.</p> <p>Discuss key principles for selecting bits and progressing from snaffles to curbs.</p>

