

Equine Reproduction Technician Certificate



Description

The Equine Reproduction Technician program prepares its graduates for employment in the field of equine reproduction. Graduates learn through a combination of on-line learning along with the management of an on-campus breeding and foaling enterprise.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Manage the daily operation of a breeding facility.
2. Manage mares and stallions during the breeding season.
3. Perform the techniques required for modern breeding methods.
4. Evaluate the reproductive performance of breeding animals.
5. Maintain currency with research and technology in equine reproduction.
6. Manage pregnant mares before, during and after parturition.
7. Manage neonatal foals.

Requirements:

Term 1 (Online)

| | | | Course Credits (Total Credits:6) |
|--|-------------|--|-------------------------------------|
| EQN | 2413 | Reproductive Fundamentals (3-0-0 hrs) | 3 |
| <p>In this course, students will learn the anatomy and physiology of the reproductive tract of the mare and stallion, reproductive behavior in the mare and stallion, methods of detecting estrus and factors affecting fertility. The anatomy and physiology of early pregnancy and common methods of pregnancy detection will also be studied.</p> | | | |
| EQN | 2414 | Maximizing Fertility in the Mare and Stallion (3-0-0 hrs) | 3 |
| <p>Students taking this course will gain an understanding of how to manage mares and stallions to maximize their fertility. This will include such things as selection of breeding animals, nutritional requirements and body condition scoring, health care programs, breeding facilities and the various methods of breeding horses.</p> | | | |

Term 2 (Online)

| | | | Course Credits (Total Credits:6) |
|---|-------------|--|-------------------------------------|
| EQN | 2401 | Breeding Management (3-0-0 hrs) | 3 |
| <p>Students taking this course will gain an understanding of common reproductive management practices associated with breeding horses including the timing of breeding, manipulation of the estrus cycle and detection and treatment of infertility in mares and stallions. Students will also examine new technologies being developed in the field of equine reproduction.</p> <p>Pre-requisite : EQN - 2413 :or</p> <p>Pre-requisite : EQN - 1040 :and</p> <p>Pre-requisite : EQN - 2414 :</p> | | | |
| EQN | 2402 | Foaling & Foal Management (3-0-0 hrs) | 3 |
| <p>Students will have the opportunity to learn about the normal events of foaling as well as the pre and post foaling period and care of the neonatal foal. They will also learn about problems that can affect</p> | | | |

foaling as well as the pre and post foaling period and the neonatal foal. Normal development of the foal will be studied up to the point of weaning.

Pre-requisite : EQN - 1040 :or

Pre-requisite : EQN - 2413 :

Term 3 (On Site)

| | | | Course Credits (Total Credits:18) |
|--|-------------|---|--------------------------------------|
| EQN | 2411 | Application of Breeding Management Techniques (0-12-0 hrs) | 12 |
| <p>Students manage the breeding component of the Olds College Equine Reproduction Center as a self-directed team. They will be involved in all daily operations of the center including feeding, teasing, breeding, record keeping, horse housing logistics, business procedures and client relations.</p> <p>Pre-requisite : EQN - 2401 :</p> | | | |
| EQN | 2412 | Applied Techniques for Foaling and Foal Management (0-6-0 hrs) | 6 |
| <p>Students manage the foaling component of the Olds College Equine Reproduction Center as a self-directed team. They will manage the pregnant mares before, during and after foaling, and will perform routine care and handling procedures with the neonatal foals.</p> <p>Pre-requisite : EQN - 2402 :</p> | | | |

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

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