

ARTIFICIAL INSEMINATION

The Artificial insemination skills program consists of the following unit standards:

US 116107	Identify basic breeding practices for farm animals
US 116215	Apply basic artificial insemination practices

The content of the course are structured according to specific outcomes, assessment criteria and unit standard essential embedded knowledge:

Identify basic breeding practices for farm animals (US 116107)

- 1. Identify standing oestrus of female breeding animals where appropriate:**
 - The breeding animals must be approached in the correct way according to specified guidelines.
 - Signs of oestrus are recognized and described in a group of female breeding animals.
 - Signs of any abnormal behavior in the female breeding animals are recognized.
 - Observations of normal and abnormal behavior are reported to the supervisor.

- 2. Observe the libido of the male breeding animal where appropriate:**
 - The male animals must be approached in the correct way according to specified guidelines.
 - Signs of libido are recognized and described in the male animal.
 - Signs of any abnormal behavior in the male animal are recognized.
 - Observations of normal and abnormal behavior are reported to the supervisor.

- 3. Recognize the signs of giving birth in female breeding animals:**
 - The breeding animals must be approached in the correct way according to specified guidelines.
 - Signs of giving birth are recognized and described in a group of female breeding animals.
 - Animals that are observed to be close to parturition are identified and recorded.
 - Observations of parturition are reported to the supervisor.

4. Identify abnormal behavior of breeding animals during the birth process:

- The normal birth process in breeding animals is explained.
- Birth problems are recognized and the level of assistance with such problems is correctly determined.
- The general health, environment, nutrition and reproductive performance of the group are monitored.
- Signs of any abnormal behavior in the birth process are recognized and recorded.
- Observations of normal and abnormal behavior are reported to the supervisor.

5. Observe and monitor post-partum behavior of breeding animals:

- The behavior of the newborn offspring must be recognized and explained.
- Behavior of the newborn offspring must be monitored and the level of assistance required must be determined.
- Signs of abnormal behavior must be recognized in the female animals and the offspring.
- Observations of normal and abnormal behavior are reported to the supervisor.

Essential Embedded Knowledge:

The person is able to demonstrate a basic knowledge of:

- Basic principles of reproduction and parturition in farm animals.
- Anatomy and physiology of reproduction.
- Observations of reproduction and parturition in farm animals.
- Basic farm practices.
- Communication and literacy.
- The Purpose of reproduction and parturition.
- Correct procedures to follow during reproduction and parturition.
- The effects of reproduction and parturition problems on the well being of the animal and its offspring.
- Procedures and practices on the farm.

Apply basic artificial insemination practices (US 116215)

1. Apply basic artificial insemination practices to animals:

- The ability to use the different instruments and equipment for artificial insemination is demonstrated.
- The ability to identify animals receptive for artificial insemination is demonstrated.
- The ability to prepare relevant animals for artificial insemination procedures according to prescribed guidelines is demonstrated.
- The ability to collect semen and store semen according to prescribed guidelines is demonstrated.

- The application of correct procedures to administer semen to receptive recipient animals is demonstrated.
- The ability to do post artificial insemination procedure practices (e.g. follow-up) is demonstrated.

Essential Embedded Knowledge:

The person is able to demonstrate a basic knowledge of:

- Animal physiology and anatomy.
- Breeding principles.
- Breeding practices.
- Hygiene.
- Record keeping.