REF. NO.	**C –C.1**
TITLE:	**CATTLE – MANAGEMENT AND DISEASES OF BEEF CATTLE**
CATEGORY AND VALUE:	**C - 10 CREDITS**
NOTIONAL STUDY HOURS:	**100**

Candidates working towards the designated Certificate in Advanced Veterinary Practice (Cattle Health and Production) will need to complete the A-Professional Key Skills module, the B-Clinical Key Skills module, one other B-module, and the three Cattle C-modules. Upon completion of all the necessary modules, a further synoptic assessment will also be required.

GENERAL GUIDANCE NOTES

Please refer to the General Guidance and Assessment for all Modules document.

STANDARDS

The aim of this module is to enable the candidate to extend and consolidate clinical knowledge and skills gained at undergraduate level, so that they can apply this knowledge to the management of beef cattle herds and the diagnosis and treatment of diseases of beef cattle. The candidate will be able to evaluate their own standards of practice and develop strategies for continuous improvement in the future.

LEARNING OUTCOMES

This module will enable the candidate to:

- Gain a sound understanding of the management and monitoring of fertility in beef herds.
- Demonstrate the role of the veterinary surgeon in planned cattle health and production
- Explain the aetiology, pathology, diagnosis, differential diagnosis, treatment, prognosis and control of common diseases affecting beef cattle in the UK.
- Describe the husbandry and management of beef cattle in the UK, and evaluate the relative merits of the systems used.

ASSESSMENT STRATEGY FOR THIS MODULE

It is suggested that this module could be assessed by some or all the following methods:

- A **learning diary**, that documents in note form the candidate's experiences over the period that the module is being completed, including critical commentaries upon at least some of the learning resources used, and describes the application of the learning process to a wide range of cases encountered in practice.

- Two **herd-specific health plans** to be produced by the candidate for beef farms they have direct contact with.
- A **case book** of three cases, each of up to 1500 words length. These cases should be selected to demonstrate the candidate's ability to use the competences that have been acquired to cope with a challenging situation, rather than using classic "textbook cases" of particular conditions.
- **Critical review** of one publication in a refereed scientific publication relevant to module content (1,500 - 3,000 words)

MODULE CONTENT

Suckled Calf Production

- Targets for beef suckler herd fertility
- Recording and analysing herd fertility
- Nutrition and condition scoring of beef cows and relationship with fertility
- Common diseases influencing fertility in beef herds
- Management of replacement heifers for optimum fertility
- Oestrus synchronisation systems for AI in beef herds
- Common diseases of beef cows: diagnosis, treatment and prevention
- Common diseases of suckled calves: diagnosis, treatment and prevention

The Bull

- Genetic selection: a knowledge of the genetic assessment of dairy and beef bulls
- Bull selection to minimise dystocia
- Reproduction: puberty and time of onset
- Normal structure and function of the genitalia
- Causes and investigation of infertility in bulls
- Breeding soundness examination, including collection and assessment of semen
- Surgical preparation of teaser bulls
- Common diseases of bulls, with particular reference to lameness

Beef Finishing Systems (Dairy bred and suckled beef calves)

- Different finishing systems for beef cattle from weaning to slaughter – nutrition and management

- Target growth rates and carcase classification
- Common nutritional diseases associated with different rearing systems
- Diagnosis, treatment and prevention of common infectious and parasitic diseases of beef finishing cattle