

C-C.5 Bovine Reproduction

Credits: 10 (100 hours)

Provider: Veterinary Postgraduate Unit – School of Veterinary Science

RCVS Content Covered

Click [here](#) to view the module content as outlined by the RCVS.

Aim of the Module

The aim of this module is to:

1. enable the candidate to develop comprehensive and systematic understanding of fertility in dairy and beef herds;
2. critically evaluate their own standards of practice and develop strategies for continuous improvement in the future.

Learning Outcomes

By the end of this module successful candidates should be able to:

1. apply clinical reasoning skills and evidence-based medicine in the management and monitoring of fertility in dairy and beef herds, and critically evaluate the role of the veterinary surgeon;
2. provide candidates with the knowledge and skills to effectively evaluate their own standards of practice and develop strategies for continuous improvement in the future;
3. critically evaluate the legislation relating to artificial manipulation of reproduction in the UK and how it relates to the health, management, and welfare of cattle and food production in the UK;
4. critically analyse incomplete data sets related to bovine nutrition, husbandry and lactogenesis and communicate conclusions to a farm owner or manager both verbally and in the form of professional reports;
5. make sound judgements in the absence of complete data and communicate their conclusions to the farm owner or manager both verbally and in the form of professional reports;
6. critically appraise the literature relevant to clinical cases in the topics covered and how the literature can be used to inform practice.

Module Structure

The syllabus will be divided into 5 study units, each containing lecture and reading material supported by weekly interactions in the form of asynchronous case-based discussions, other discussions and/or synchronous journal clubs/literature critiques.

Study Unit 1: Targets and Monitoring of Fertility

Study Unit 2: The Breeding Female

Study Unit 3: Genetic Selection and Breeding

Study Unit 4: The Bull

Study Unit 5: Obstetrics and Surgery

Assessment Strategy

- **2 x 1500-word reflective case reports (60%)**

On a topic related to the relevant study units, students are required to reflect on their own practice, using evidence-based veterinary medicine to inform their reflection. Reflective case reports are written following the format of published case reports in the veterinary literature. The case report component of the assessment must be passed for successful completion of the module, and is non-compensatory with other assessments, however there is compensation between case reports. Case reports are also submitted to a discussion board for critique and discussion by/with peers. A proportion of marks for this assessment are also allocated to this discussion element.

- **1 x 1-hour open book examination (30%)**

Based around clinical scenarios/cases, relevant to the module study units.

- **1 x written journal critique (not more than 500 words) and group discussion (10%)**

Hosted by a staff member online synchronously using MS Teams. 2-4 students critique the same paper, and then discuss their critiques and any variations with the group, and the tutor and the students then hold a discussion of all papers. These are assessed on the submitted critique as well as the discussion.

Assessments are submitted sequentially with feedback being given between assessments to aid in the development of writing skills.

PLEASE NOTE: It is your responsibility to ensure that you have access to sufficient appropriate cases where you were the primary decision maker to produce adequate material for the module. This may not be possible with some internship positions. You must also be aware of any limitations of your facilities that may make the accumulation of appropriate cases difficult or impossible.