

## Liverpool John Moores University

Title: Obstetrics  
Status: Definitive  
Code: **6504YAUZOO** (127919)  
Version Start Date: 01-08-2021

Owning School/Faculty: Pharmacy & Biomolecular Sciences  
Teaching School/Faculty: Yunnan Agricultural University

Team	Leader
Rachael Symonds	Y

**Academic Level:** FHEQ6  
**Credit Value:** 10  
**Total Delivered Hours:** 50  
**Total Learning Hours:** 100  
**Private Study:** 50

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	36
Practical	12

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Written exam covering lecture and practical material for obstetrics	70	2
Test	Test	Test covering lecture and practical material for obstetrics	30	

### Aims

*Veterinary obstetrics is a professional course for students who major in animal medicine. The aim of this course is to enable students to understand the research content, history of veterinary obstetrics and application in animal husbandry and offer capacity of basic theoretical knowledge and obstetric clinical skills of veterinary obstetrics; to master the characteristics of common obstetric diseases in livestock, to*

*understand the current problems and future research directions of the subject, and to lay a solid foundation for future clinical work. Through experiment and clinical teaching practice, students can master the normal operation and basic diagnosis and treatment skills of veterinary obstetrics physiology and common obstetrical diseases.*

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Students will be come familiar with the production, action site and mechanism of reproductive hormones, master the physiological function and clinical application of common reproductive hormone.
- 2 Understand and master the basic obstetrical theory of estrous, fertilizing, pregnancy and delivery in livestock.
- 3 Gain proficiency in obstetrical clinical skills such as maternal pregnancy diagnosis, reproductive organ rectal examination, ultrasound diagnosis, maternal dystocia surgery and caesarean section.
- 4 Master the causes, clinical characteristics, diagnosis and treatment of common obstetrical diseases in each stage of livestock reproductive process

## **Learning Outcomes of Assessments**

The assessment item list is assessed via the learning outcomes listed:

Written exam	1	2	3	4
Test	1	2	3	

## **Outline Syllabus**

*The main contents of this course include the concept, content, task and development trend of animal science. The concepts of endocrine, hormone, reproductive hormone, exocrine and cytokine, the source, nature, physiological function and clinical application of various reproductive hormones. The occurrence, development and regulation of reproductive function of female livestock. The reproductive physiology of fertilisation, pregnancy, and delivery. Basic concepts, theories, principles, development trends and technical links of artificial indoctrination, embryo segmentation, nuclear transfer, cloning, cell cloning, animal cloning, sex control, in vitro embryo production technology, transgenic technology. A disease during pregnancy, a disease during delivery, a disease at the end of labour. Cause, diagnosis, treatment and prevention. Etiology, characteristics and treatment of sterility in female and male animals and comprehensive measures for prevention and treatment of sterility. The anatomical and physiological characteristics and nursing care of newborn animals, the etiology and management of neonatal livestock diseases, the anatomical and physiological structure of breast, the etiology, classification, diagnosis, prevention and treatment of mastitis in dairy cows.*

## **Learning Activities**

By combine lectures and practical training, students will pass exams in different level and finally match our course requests.

### **Notes**

Through study of this subject, students majoring in animal medicine will master the basic theory of animal reproductive physiology, reproduction technology and the characteristics of reproductive diseases, diagnosis and treatment methods, and through practical teaching, students will be able to perform normal operation, diagnosis and treatment skills of common obstetrical diseases.