

## Liverpool John Moores University

Title: Professional training: laboratory Skills in Animal Medicine  
Status: Definitive  
Code: **4504YAUZOO** (127951)  
Version Start Date: 01-08-2021

Owning School/Faculty: Biological and Environmental Sciences  
Teaching School/Faculty: Yunnan Agricultural University

Team	Leader
Rachael Symonds	Y

**Academic Level:** FHEQ4      **Credit Value:** 10      **Total Delivered Hours:** 64

**Total Learning Hours:** 100      **Private Study:** 36

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Practical	64

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Practice	practice	Practical experimental skills	40	
Report	report	Experimental report	20	
Test	test	Experimental laboratory skills test	40	

### Aims

*This course is an important practical teaching link in the teaching program of animal medicine. It is an independent experimental compulsory course. It is a comprehensive experimental course based on the students who have completed the professional basic course.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Analyse the physiological constants and pathological fluctuations of animals, check methods of animal physiological constants, and their application in disease diagnosis
- 2 Master the techniques and methods of animal anatomy and pathology
- 3 Understand the relationship between animal microbiology and animal diseases and the application of immunological techniques in the diagnosis of animal diseases
- 4 Apply molecular biology experimental techniques and technology in animal disease diagnosis
- 5 Have the ability to consult the literature, formulate experimental schemes, complete experiments independently, and comprehensively analyse and summarise the experimental results, and be able to exchange statements

## Learning Outcomes of Assessments

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

Experimental practice	1	2	3	4	5
Experimental report	1	2	3	4	5
Lab skills test	1	2	3	4	5

## Outline Syllabus

*This practical course covers the following sections: poultry inspection and training operation, poultry castration and necropsy experiments, pig inspection and training operation, castration and autopsy experiments of pigs, collection, storage, packaging and transportation of sick materials, laboratory diagnosis of bacterial infectious diseases in animals, laboratory diagnosis of animal viral infectious diseases.*

## Learning Activities

The experiments in this course only provide experimental questions, the objectives to be achieved and specific requirements. Students are required to complete the experimental tasks according to the requirements on the basis of mastering the basic courses of each major to improve students' ability to think about problems, solve problems and work independently .

## Notes

This is a practical course that will teach students various basic laboratory skills through practice and observation.