

Liverpool John Moores University

Title: Agricultural Meteorology
Status: Definitive
Code: **4501YAUBIO** (127882)
Version Start Date: 01-08-2021

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

Team	Leader
Katie Evans	Y

Academic Level: FHEQ4 **Credit Value:** 20 **Total Delivered Hours:** 42
Total Learning Hours: 200 **Private Study:** 158

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	31
Practical	9

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Exam	70	2
Test	AS2	Coursework	30	

Aims

The aim of this module is for students to develop an understanding of the process and rule of agricultural meteorology, agricultural weather and agroclimate, associated with the growth of agricultural organisms and agricultural activities. A thorough understanding of theoretical knowledge and application will lay a good foundation for the following professional courses.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the basic principles of physical phenomena, physical process and atmospheric movement.
- 2 Discuss the relationship between the growth and developmental process of agricultural organisms and their environment.

Learning Outcomes of Assessments

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

Exam	1	2
Test	1	2

Outline Syllabus

The module provides an understanding of agricultural meteorology including the basic knowledge and principles of agricultural meteorology, the relationship between the significance, feature, change rule of agrometeorological elements and agricultural organisms, the obvious distinction between weather and agricultural weather, climate and agroclimate, the basic law of the formation, change, and adjustment on agricultural microclimate.

Learning Activities

The module content will be delivered through lectures and practical activities. Theoretical lectures will provide appropriate subject knowledge to support practical application. During the process of lectures, questioning, reviewing and other means of teaching methods are applied in order to engage students in interactive learning.

Notes

This module is designed for students to develop an understanding of the definition, principles and application in agricultural meteorology. Students will also develop basic practical skills in agricultural meteorology. The module activities include appropriate practical sessions relevant to agricultural meteorology, the general observation principles, methods and data reduction methods are required for students.