

Summary Information

Module Code	6506YAUBIO
Formal Module Title	Environmental Biotechnology
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	10
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Yunnan Agricultural University

Learning Methods

Learning Method Type	Hours
Lecture	48

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks

Aims and Outcomes

Aims	Environmental Biotechnology module focuses on the basic theories and concepts of biotechnology in the environment. The module aims to provide students with a comprehensive understanding of the basic composition of environmental biotechnology, the application methods and techniques of biotechnology in the environment, and an understanding of the significance of these methods for environmental governance and remediation.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Explain the concept of environmental biotechnology.
MLO2	2	Demonstrate knowledge of the basic theory of biochemical reaction metrology and biochemical reaction kinetics.
MLO3	3	Demonstrate knowledge of the basic theory of biochemical reaction thermodynamics.

Module Content

Outline Syllabus	The module covers the biological theoretical basis of modern biotechnology, genetic engineering technology, enzyme technology, fermentation engineering and other technical means in environmental pollution, treatment, remediation of new methods, new technologies and the latest developments. Students will learn to make comprehensive use of the basic knowledge and technology to solve some practical problems.
Module Overview	
Additional Information	The module is designed to cultivate scientific thinking and innovation ability, and to improve theoretical literacy and application skills. The curriculum is designed to summarise the concept and research category of environmental biotechnology, with emphasis on the basic theory and basic knowledge of environmental biotechnology. The module will enable students to understand the basic concepts of environmental biotechnology, increase their awareness of environmental protection, and promote the concepts of protecting and cleaning the environment in the process of environmental governance and restoration in the future.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Exam	Exam	50	2	MLO1, MLO2, MLO3
Exam	Test	10	0	MLO1, MLO2, MLO3
Exam	Exam	40	0	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Katie Evans	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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