

Module Information

2022.01, Approved

Summary Information

Module Code	4500ICBTBE
Formal Module Title	Cell Biology and Human Physiology
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	15
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
International College of Business and Technology

Learning Methods

Learning Method Type	Hours
Lecture	45
Practical	15

Module Offering(s)

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

SEP_NS-PAR	PAR	September (Non-standard start date)	12 Weeks
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Aims and Outcomes

Aims	To enable learners to develop detailed knowledge and understanding of the anatomical structure and biochemical composition of human specialized cells and their physiological function; various systems of the human body and their coordinated functions; communication between distinct human tissues and organs; components of human homeostatic control systems and the maintenance of a constant internal environment.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Identify the functions of the cellular organelles together with the associated biochemical processes, and explain the functions of major varieties of body tissues.
MLO2	2	Describe the processes of reproduction and foetal development and explain the effect of aging in physiological system.
MLO3	3	Recognise the integrated nature of human physiological systems and their importance in homeostasis.
MLO4	4	Describe the structure and functions of the cardiovascular, respiratory, digestive, renal and musculoskeletal systems.

Module Content

Outline Syllabus	Structure and function of specialized cells Maintenance of a constant internal environment Cardio vascular system Physiology of kidney and body fluids Reproduction and development Effect of ageing on physiological systems Role of physiological control of the body Respiratory System Digestive system
Module Overview	
Additional Information	Learners will need access to appropriate laboratory, library and IT facilities and tutorials.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Exam	Formal Written Exam	70	2	MLO2, MLO3, MLO4
Portfolio	Report based on practicals	30	0	MLO1

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
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Karl Jones	Yes	N/A
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Partner Module Team

Contact Name	Applies to all offerings	Offerings
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