

### Summary Information

Module Code	5504ICBTBE
Formal Module Title	Clinical Immunology
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	15
Academic level	FHEQ Level 5
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
Tutorial	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 knowledge and understanding of the core immunology and the immunological basis of some common diseases.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Analyse the molecular and cellular basis of the immune system in response to pathogens.
MLO2	2	Discuss adverse reactions of the immune system.
MLO3	3	Describe and employ antigen- antibody interactions to conduct different immunological and serological tests in the laboratory.
MLO4	4	Analyse the role of the clinical and research laboratory in diagnosis, treatment and investigation of immune and infectious disorders.

## Module Content

Outline Syllabus	Overview and elements of the immune system Antigens, antibodies and t cell receptors - structure and activities Complement Antibody, T cell receptors, and MHC – structure and activities Cellular activities and immune mediation Immune system and infectious disease Medical applications of immunology Serology laboratory disciplines
Module Overview	
Additional Information	Learners will need access to appropriate library, IT facilities and tutorials.

## Assessments

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

## Module Contacts

### Module Leader

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

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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