

Liverpool John Moores University

Title: CLINICAL IMMUNOLOGY
Status: Definitive
Code: **5504ICBTBE** (127051)
Version Start Date: 01-08-2021

Owning School/Faculty: Pharmacy & Biomolecular Sciences
Teaching School/Faculty: ICBT, Colombo

Team	Leader
Alison Cotgrave	Y

Academic Level: FHEQ5 **Credit Value:** 15 **Total Delivered Hours:** 62
Total Learning Hours: 150 **Private Study:** 88

Delivery Options

Course typically offered: S2 and Non Std S2 (S2 for Jan)

Component	Contact Hours
Lecture	45
Tutorial	15

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Formal written exam	70	2
Essay	Essay	Essay (1500 words)	30	

Aims

To enable learners to develop knowledge and understanding of the core immunology and the immunological basis of some common diseases.

Learning Outcomes

After completing the module the student should be able to:

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

Learning Outcomes of Assessments

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

Formal Written Exam	1	2	3
Essay	4		

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

Learning Activities

Students will be supported in their learning, to achieve the above learning outcomes, in the following ways:

- By a series of lectures and tutorials and through participation within practical sessions.
- Self-managed investigative study to analyze cases related to clinical immunology.
- In-class participation and case studies are key features of this module.
- A recommended resource list - indicating key reading, internet support and physical learning assistance, is provided to help enable students to undertake self-directed study.

Notes

Learners will need access to appropriate library, IT facilities and tutorials.