MELT 2630: Immunology

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 1
Lab Hours/Week: 4
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

Basic concepts of humoral and cell mediated immunity are taught in this course. The role and pathways of complement are discussed and diagrammed. Types of antigen-antibody reactions are studied including agglutination, precipitation, and labeled immunoassays. Lab procedures include the use and interpretation of commercial serology test kits, calculation of serial dilutions and performance of molecular diagnostics. Immune disorders including hypersensitivity, autoimmunity, transplantation, and tumor immunology are studied in detail. The serological diagnosis of infectious diseases such as spirochetes, streptococcal, viral infections, and HIV are discussed.

B. COURSE EFFECTIVE DATES: 04/18/2024 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted