



BC206 August 2:0

Essentials in Immunology

Instructor

Anjali A Karande (jointly with Dipankar Nandi and Ssandeep Easwarappa)

Email: anjali@iisc.ac.in

Teaching Assistant

NA

Email: NA

Department: Biochemistry

Course Time: 12 to 1 PM

Lecture venue: Biochemistry lecture hall

Detailed Course Page: NA

Announcements

Brief description of the course

BC 206 is a mid-level structured course to introduce concepts in the subject of Immunology to post-graduate students

Prerequisites

None

Syllabus

Cells and organs of the Immune system, Innate Immunity & Inflammation, B cell Development, Str& function of Igs, Complement system, Immunoglobulin genes and the theory of antibody diversity, class switching, MHC antigens, T cell Receptor, T cell activation, Cytokines, Hypersensitivity, Autoimmunity, Immunological disorders, Emerging areas, Genes & Immunity, T cell immunity, Host Defense

Course outcomes

Students would understand basic concepts in the working of human immunological system, at the molecular level.

Grading policy

25 % for I mid term , 25% for II mid term, 15% assignments and 35% for the final

Assignments

Students are given assignments which are either write-ups or presentations on interesting topics of immunology which maybe publications that revolutionized our understanding in Immunology or recent research papers that introduced new concepts. Assignments are sometimes based on quiz sessions.

Resources

Kuby, Immunology Fourth edition, Paul, Fundamental Immunology, fourth edition, Roitt, Essential Immunology, Current Scientific publications and reviews.