

BG 410 - Immunology

3 Credit Hours

The course is an in-depth study of the immune system responses to infectious agents at the molecular, cellular and genetic levels. Emphasis is placed on the fundamentals of immunology: innate and adaptive (humoral and cellular) immunity; interactions with antigens; lymphocyte activation; ontogeny and phylogeny. The applied aspect of the course will cover vaccines, allergy and other hypersensitivities, autoimmune diseases, immunodeficiency and tumor immunology. (Prerequisite: One undergraduate course in Biology, Chemistry, or Microbiology)

Prerequisites

[BG 110](#) [CH 110](#)