

Immunology (IMM)

IMM 751/MB 751 Immunology (3 credit hours)

Introduction to mechanisms of immunity in man and animals. Emphasis on interactions between cells of the immune system in production of immune responses and the molecules in control of these interactions.

Prerequisite: BCH 451, GN 411, MB 351

Typically offered in Spring only

IMM 757/PO 757 Comparative Immunology (3 credit hours)

Compare and contrast the immune system structure and function of animal species of agricultural and veterinary significance with that of humans and traditional biomedical model organisms. Discuss key evolutionary differences, how different species use different mechanisms to achieve the same outcomes, and the clinical implications for these differences.

Prerequisite: MB 751 or MB 441 or BIO 414

Typically offered in Spring only

IMM 783/MB 783/CBS 783 Advanced Immunology (3 credit hours)

In depth study of the basic cellular and molecular mechanisms of immunity, including antigen processing and presentation, T cell development, initiation of the immune response, effector mechanisms, and immunological memory. The course is designed for advanced graduate students who wish to focus on the current concepts in immunology.

Prerequisite: MB (IMM) 751

Typically offered in Fall only