

獸醫學系 96-1 新增課程中英文摘要

一、大學部

免疫學概論 2 選 莊秀琪、鍾文彬

本課程主要提供農學院學生學習一般的免疫學概論，課程內容將介紹免疫系統之作用，包括免疫細胞的種類與生成機制，介紹抗原、半抗原與抗體之定義與應用，免疫系統之基本運作機制，免疫球蛋白之種類與結構以及免疫細胞之功能，此課程提供學生日後學習其他藥物或活性天然物之免疫調節功能的基礎。

General Concepts on Immunology 2 S H.C. Chaung, W.B. Chung

The content of the General Concepts on Immunology include the introduction of different types of immune cells and their synthesis, definitions of antigens, haptens and antibodies and their applications, the basic mechanisms in regulating immune responses and types of immunoglobulins and their structures. This course will provide undergraduate students basic knowledge on immunology, which in turn encourages students to learn the advanced immunomodulatory effects of natural compounds or drugs in the future.

二、碩士班

基礎免疫學 3 選修 莊秀琪、鍾文彬、邱明堂、陳石柱

本課程主要提供獸醫學系碩博士班以及其他研究所未曾修過免疫學之研究生，學習一般之免疫學，課程內容將介紹免疫系統之作用，包括免疫細胞的種類與生成機制，免疫細胞及細胞激素於先天性免疫力及適應性免疫力之作用，免疫系統之基本調節機制，免疫球蛋白家族之基因與個別免疫球蛋白家族成員之產生，以及免疫相關疾病之介紹。此課程提供研究生日後學習更深入之免疫系統功能或應用免疫調節物研究的基礎。

Basic Immunology 3 S H.C. Chaung, W.B. Chung, M.T. Chiou, S.C.Chen,

The content of the Basic Immunology includes the introduction of immune system, functions of immune cells, the roles of immune cells and their secretary compounds in regulating innate and adaptive immunity, the genetic mechanisms in producing each member in the immunoglobulin superfamily and immune diseases. This course will provide basic knowledge on immunology to graduate students who never took the Immunology before, which in turn encourages students to learn the advanced immunology later on and apply their knowledge to study the immunomodulatory mechanisms of drugs or natural compounds for accomplishing their master's program.