# 朝陽科技大學 094學年度第1學期教學大綱
# Immunology 免疫學

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| **當期課號** | 1646 | **Course Number** | 1646 |
| **授課教師** | 蔡韙任 | **Instructor** | TSAI,WEI REN |
| **中文課名** | 免疫學 | **Course Name** | Immunology |
| **開課單位** | 應用化學系(四日)四A | **Department** | |
| **修習別** | 選修 | **Required/Elective** | Elective |
| **學分數** | 3 | **Credits** | 3 |
| **課程目標** | 本課程主要目標爲學習與熟悉免疫學之基礎理論，使學生瞭解免疫系統的發展與應用，藉由免疫學之發展史，免疫生理之作用過程與免疫病理相關疾病，以滿足學生對未來科學研究上許多以免疫觀念爲基礎之需要。 | **Objectives** | Students could understand the development and applications of immunology system. The overview of immune system, lymphoid system, antigen receptor molecules, antigen-antibody interaction , immunological techniques, cell-mediated immune reactions, regulation of the immune response, hypersensitivity- type Ⅰ,Ⅱ,Ⅲ and Ⅳ, transplantation, rejection and complement that could provide students for clear the idea of immunology in the future. |
| **教材** | 1.書籍 Immunology/edited by Ivan M Roitt, Jonathan Brostoff and David K Male<br>2.國內外期刊內容<br>3.發講義並以單槍投影方式上課 | **Teaching Materials** | |
| **成績評量方式** | 1.平時上課及出席情形(25%) 2.期中測試成績(30%) 3.期末測試成績(35%) 4.學期報告(10%) | **Grading** | 1.attended at class (25%) 2.midterm examination (30%) 3.final examination (35%) 4.semester report (10%) |
| **教師網頁** | | | |
| **教學內容** | 教學內容主要爲學習與熟悉免疫學之基礎理論，使學生瞭解免疫系統的發展與應用，藉由免疫學之發展史，免疫生理之作用過程與免疫病理相關疾病，以滿足學生對未來科學研究上許多以免疫觀念爲基礎之需要。其課程內容包括免疫系統的簡介、淋巴系統與抗原受體分子、抗原─抗體反應與免疫技術、細胞性免疫反應與免疫反應的調節、第一、二、三及四型過敏反應及移植及排斥與補體。 | **Syllabus** | Students could understand the development and applications of immunology system. A syllabus including that overview of immune system, lymphoid system, antigen receptor molecules, antigen-antibody interaction , immunological techniques, cell-mediated immune reactions, regulation of the immune response, hypersensitivity- type Ⅰ,Ⅱ,Ⅲ and Ⅳ, transplantation, rejection and complement. |

尊重智慧財產權，請勿非法影印。