97-1 Preliminary Syllabus, Da-Yeh Univ

Information

Title		Serial No. / ID	1409 / BTI4005
Dept.		School System / Class	4 1
Lecturer		Full or Part-time	
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	( )6 / H564 ( )56 / H564	Language	Chinese

Introduction

Protein Engineering

Outline

1. Class Introduction
2. The Ribosome - the fulcrum of genomics
3. The Genomics of Proteins
4. Protein Structure
5. The building blocks
6. Spatial aspects of protein structure
7. Proteins in the cell, in solution, in crystals
8. Structure determination at and near atomic resolution
9. Protein Function
10. Protein Architecture and Evolution
11. Hierarchy of structure de   ion
12. Evolution of protein structures and functions
13. Modelling and prediction of protein structure and function
14. Protein Engineering, Folding and Design

Prerequisite

Students of this class should have the abilities of listening, reading, speaking, and writing in Chinese and in English.