

## 99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	蛋白質工程	Serial No. / ID	1333 / BTI4005
Dept.	生物產業科技學系	School System / Class	大學日間部4年1班
Lecturer	蔡明勳	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(二)56 / H543 (二)7 / H543	Language	Chinese

Introduction
Protein Engineering

Outline
<ol style="list-style-type: none"> <li>1. Class Introduction</li> <li>2. The Ribosome - the fulcrum of genomics</li> <li>3. The Genomics of Proteins</li> <li>4. Protein Structure</li> <li>5. The building blocks</li> <li>6. Spatial aspects of protein structure</li> <li>7. Proteins in the cell, in solution, in crystals</li> <li>8. Structure determination at and near atomic resolution</li> <li>9. Protein Function</li> <li>10. Protein Architecture and Evolution</li> <li>11. Hierarchy of structure de s c r i p t i o n</li> <li>12. Evolution of protein structures and functions</li> <li>13. Modelling and prediction of protein structure and function</li> <li>14. Protein Engineering, Folding and Design</li> </ol>

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