

100-1 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
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| Title | 蛋白質工程 | Serial No. / ID | 0486 / 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)567 / H607 | Language | Chinese |

| Introduction | |
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| Protein Engineering | |

| Outline | |
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| <ol style="list-style-type: none">1. Class Introduction2. The Ribosome - the fulcrum of genomics3. The Genomics of Proteins4. Protein Structure5. The building blocks6. Spatial aspects of protein structure7. Proteins in the cell, in solution, in crystals8. Structure determination at and near atomic resolution9. Protein Function10. Protein Architecture and Evolution11. Hierarchy of structure de s c r i p t i o n12. Evolution of protein structures and functions13. Modelling and prediction of protein structure and function14. Protein Engineering, Folding and Design | |

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