

98-1 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
|-------------------|--------------------------|-----------------------|----------------|
| Title | 物理化學 | Serial No. / ID | 1177 / EVI2031 |
| Dept. | 環境工程學系 | School System / Class | 大學日間部2年2班 |
| Lecturer | 柯雅雯 | Full or Part-time | 專任 |
| Required / Credit | Required / 3 | Graduate Class | NO |
| Time / Place | (一)56 / H344 (三)4 / H569 | Language | Chinese |

| Introduction |
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| This course provides an introduction to principles of physical chemistry and enhance students ' problem-solving skill in environmental issues. |

| Outline |
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| Chapter 1 The Nature of Physical Chemistry and the Kinetic Theory of Gases |
| Chapter 2 The First Law of Thermodynamics |
| Chapter 3 The Second and Third Laws of Thermodynamics |
| Chapter 4 Chemical Equilibrium |
| Chapter 5 Phases and Solutions |
| Chapter 6 Solutions of Electrolytes |
| Chapter 7 Electrochemical Cells |
| Chapter 8 Chemical Kinetics I: The Basic Ideas |
| Chapter 9 Chemical Kinetics II: Composite Mechanisms |
| Chapter 10 Surface Chemistry and Colloids |

| Prerequisite |
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| Chemistry |