



課 綱 Course Outline

師資培育中心中等教育

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| 中文課程名稱 Course Name in Chinese | 中等自然科學領域化學專長教材教法1 | | | | |
| 英文課程名稱 Course Name in English | Instructional Methods of Chemistry 1 | | | | |
| 科目代碼 Course Code | EP__22130 | 班 別 Degree | 學士班 Bachelor' s | | |
| 修別 Type | 必修 Required | 學分數 Credit(s) | 2.0 | 時 數 Hour(s) | 2.0 |
| 先修課程 Prerequisite | | | | | |
| 課程目標 Course Objectives | | | | | |
| 本課程提供化學專長師培生必備的教學態度與技巧、實際教學經驗與討論，經由實際參與中等學校教學活動，學習與瞭解教育意義、本質與功能、課程發展與理論基礎，並強調理論實務並重，探究專業科目教材內容設計、教學媒體運用與教學技能之整合規劃。 | | | | | |
| 師培中心教育目標 Education Objectives | | | | | |
| 1 | 培育優質專業師資。 Training quality and professional teachers | | | | |
| 2 | 培育多元視野師資。 Training multiple vision teachers | | | | |
| 3 | 培育關懷弱勢師資 Training teachers care disadvantaged minority | | | | |
| 4 | 培育終身學習師資。 Training teachers do lifetime learning | | | | |
| 核心能力 Basic Learning Outcomes | | | | 課程目標與核心能力 相關性 Correlation between Course Objectives and Basic Learning Outcomes | |
| A | 具備關懷與熱忱教育理念與實務應用的素養 Students embrace concepts of caring and enthusiastic educational which they can apply in practice. | | | | |
| B | 具備發展學習者需求課程及多元適性評量的素養 Students can develop curricula and multiple adaptive assessment types to meet learners' needs. | | | ● | |

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| C | 具備建立正向學習與適性輔導的素養 Students are able to establish positive learning and engage in adaptive counseling. | ● |
| D | 具備並認同實踐教師專業倫理的素養 Students can both recognize and practice teacher professional ethics. | |
| E | 具備科技創新、跨域視野、社會責任、終身學習的素養 Students engage in technological innovation, interdisciplinarity, social responsibility, and lifelong learning. | ● |

圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated

課程大綱
Course Outline

1. 編教案的原理與實施
2. 分科教學設計之原理與要點
3. 分科教材分析與教法選擇
4. 單元教學活動設計與教材製

資源需求評估（師資專長之聘任、儀器設備的配合．．．等）
Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

1. 教學教室
2. 各學視聽設備
3. 採專科知識教師與教材教法教師協同教學方式

課程要求和教學方式之建議
Course Requirements and Suggested Teaching Methods

1. 教案編寫練習
2. 單元教學活動設計與教具設計練習
3. 教學心得討論

其他
Miscellaneous