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校核心課程課綱 Core Curriculum Course Outline

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| 中文課程名稱  Course Name in Chinese | 垂直整合專題(四) | | | | | | |
| 英文課程名稱  Course Name in English | Vertically Integrated Projects (IV) | | | | | | |
| 科目代碼  Course Code |  | 班 別  Degree | | ■學士班Bachelor’s. | | | |
| 修別  Type | □必修Required  □選修Elective  ■學程Program | | 學分數Credit(s) | | 2 | 時 數  Hour(s) | 2 | |
| 校核心課程主題  Core Course Category | □語文教育 □服務學習 □體育□資訊科技  □必選修核心課程:□理性思惟 □文化涵養 □在地關懷  ■認列選修核心課程 | | | | | | |
| 先修課程  Prerequisite | 無 | | | | | | |

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| 課程目標  Course Objectives | 實習階段透過實際的專題來培養深入學術理論探究的精神及發展實務研究及實踐應用的能力  The real projects to develop student’s potentialities of scholarship and exploration in learning stage. | | |
| 教育目標  Dept.’s Education Objectives | 一、在地關懷與全球視野 | 二、人文素養與科學精神 | 三、全人健康與永續創新 |
| 課程目標與教育目標相關性Correlation between Course Objectives and Dept.’s Education Objectives | ◎ | ● | ◎ |
| 圖示說明Illustration ：● 高度相關 Highly correlated ◎中度相關 Moderately correlated | | | |

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| 基礎能力指標  Basic Learning Outcomes | A.自主學習與創新思考。  B.康健身心 C.互動、溝通與解決問題 D.情藝美感  E.文化素養與尊重差異 F.在地關懷與公民責任 | | | | | |
| 課程目標與基礎能力相關性Correlation between Course Objectives and Basic Learning Outcomes | A | B | C | D | E | F |
| ● | ◎ | ● | ◎ | ◎ | ◎ |
| 圖示說明Illustration ：● 高度相關 Highly correlated ◎中度相關 Moderately correlated | | | | | | |

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| 課程大綱  Course Outline  1.學習及練習執行專題所需的中階知識。  Learn and practice intermediate skills in a real project.  2.體驗跨級別或跨領域團隊中不同的中階任務。  Experience different intermediate tasks on a multidisciplinary team.  3.實際參與專題並貢獻團隊所學的中階能力。  Make intermediate contributions to the team project.. |
| 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.) |
| 課程要求和教學方式之建議  Course Requirements and Suggested Teaching Methods  1.學習紀錄VIP Notebook(20%)  2.自我評量 self-evaluation(10%)  3.隨堂作業assignments(10%)  4.團隊互動合作teamwork and interaction(60%)  a.出席情況on-time attendance in meeting  b.團隊成員合作程度coordinates activities with other team members.  c.團體報告team presentation  d.同儕評量peer-evaluation  e.貢獻度contributions to team goals |
| 其他  Miscellaneous |