



課 綱 Course Outline
材料科學與工程學系學士班

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| 中文課程名稱 Course Name in Chinese | IC載板製程基礎認證課程 | | | | |
| 英文課程名稱 Course Name in English | The basic certification course for IC substrate process | | | | |
| 科目代碼 Course Code | MS_41200 | 班 別 Degree | 學士班 Bachelor's | | |
| 修別 Type | 學程 Program | 學分數 Credit(s) | 3.0 | 時 數 Hour(s) | 3.0 |
| 先修課程 Prerequisite | | | | | |
| 課程目標 Course Objectives | | | | | |
| 協助學生初步了解製造流程與製程原理。 | | | | | |
| 系教育目標 Dept.'s Education Objectives | | | | | |
| 1 | 奠定理論基礎 Set the theoretical foundation | | | | |
| 2 | 訓練實用技能 Train the practical skill | | | | |
| 3 | 培養優質人格 Form the positive cher | | | | |
| 4 | 啟發創新思 Promote creative thinking | | | | |
| 5 | 開展國際視野 Develop global vision | | | | |
| 系專業能力 Basic Learning Outcomes | | | | 課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives | |
| A | 具備材料科學所需的物理、化學及數學的知識。 Acquire required basic physical, chemical, and mathematic knowledge for materials science and engineering. | | | | |
| B | 具備材料科學的專業知識，並能應用於解決工程上之問題。 Acquire required professional knowledge for materials science and engineering, applicable in solving engineering problems. | | | | |

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| C | 具備邏輯思考、實驗執行、報告撰寫與數據解釋之能力。 Equipped with capabilities of logic thinking, execution of experiment, and data interpretation. | |
| D | 具備專業道德及責任感，與良好的溝通及團隊合作的能力。 Acquire professional morality and responsibility, and capability of quality communication and team cooperation | |
| E | 具備適當的英文能力，應用於學習與交流。 Acquire English capability used for learning and interaction | |
| 圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated | | |
| 課程大綱 Course Outline | | |
| 基礎工具篇：企業文化、工作管理、專案管理、工程師的素養 產業實務篇：載板製造概論、全製程學習、企業產品介紹 | | |
| 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.) | | |
| OJT業師：實務經驗3年以上主管帶領教學 課程：可上網的手機及筆電 | | |
| 課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods | | |
| 配合企業實習課程至景碩科技公司上課。 | | |
| 其他 Miscellaneous | | |
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