

淡江大學資訊創新與科技學系應用資訊組 103 學年度入學新生起必修科目表

Department of Innovative Information and Technology
Division of Applied Informatics
Required Course List, Fall 2014

| 科目名稱 Courses | 學分數 Credits | 第1學年 1 st year | | 第2學年 2 nd year | | 第3學年 3 rd year | | 第4學年 4 th year | | 備註 Remarks |
|---|----------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|---------------|
| | | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | |
| | | Semester | Semester | Semester | Semester | Semester | Semester | Semester | Semester | |
| 英文閱讀 READING CLUB | 2 | 2 | | | | | | | | |
| 英文寫作 ENGLISH WRITING | 2 | 2 | | | | | | | | |
| 英文口語溝通 ORAL COMMUNICATION IN ENGLISH | 2 | | 2 | | | | | | | |
| 英文能力檢定 GENERAL ENGLISH PROFICIENCY TEST | 2 | | 2 | | | | | | | |
| 中國語文能力表達 ABILITY OF EXPRESSING IN SPOKEN AND WRITTEN CHINESE | 3 | | 3 | | | | | | | |
| 資訊教育-資訊概論 I DATA PROCESSING I | 2 | 2 | | | | | | | | |
| 資訊教育-資訊概論 II DATA PROCESSING II | 2 | | 2 | | | | | | | |
| 國際規範與禮儀 INTERNATIONAL ETIQUETTE | 2 | 2 | | | | | | | | |
| 全球科技革命 GLOBAL TECHNOLOGY REVOLUTION | 2 | | | 2 | | | | | | |
| 未來學學門 FUTURES STUDIES ON LANYANG CAMPUS | 2 | | | | | | | | | |
| 公民社會及參與學門 CIVIL SOCIETY AND PARTICIPATION ON LANYANG CAMPUS | 2 | | | | | | | | | |
| 藝術欣賞與創作學門 ARTS APPRECIATION AND INVENTION ON LANYANG CAMPUS | 2 | | | | | | | | | |

核心課程
Core curriculum

| 科目名稱 Courses | | 學分數 Credits | 第1學年 1 st year | | 第2學年 2 nd year | | 第3學年 3 rd year | | 第4學年 4 th year | | 備註 Remarks |
|--|---|----------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|---------------|
| | | | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | |
| | | | Semester | Semester | Semester | Semester | Semester | Semester | Semester | Semester | |
| 哲學與宗教學門 PHILOSOPHY AND RELIGINON ON LANYANG CAMPUS | 2 | | | | | | | | | | |
| 社團學習與實作- 社團經營入門 LEARNING AND PRACTICE OF CLUBS-INTRODUCTION OF RUNNING CLUB | 1 | | 1 | | | | | | | | |
| 校園與社區服務學習(一) CAMPUS & COMMUNITY SERVICE-LEARNING(I) | 0 | 0 | 0 | | | | | | | | |
| 校園與社區服務學習(二) CAMPUS & COMMUNITY SERVICE-LEARNING(II) | 0 | | | 0 | 0 | | | | | | |
| 體育 PHYSICS EDUCATION | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0 | |
| 企業概論與創業管理 BUSINESS ESSENTIALS AND ENTREPRENEURIAL MANAGEMENT | 2 | | 2 | | | | | | | | |
| 全球化概論 THE STUDIES ON GLOBALIZATION | 2 | 2 | | | | | | | | | |
| 線性代數 LINEAR ALGEBRA | 3 | 3 | | | | | | | | | |
| 機率論 INTRODUCTION TO PROBABILITY THEORY | 3 | | 3 | | | | | | | | |
| 微積分 CALCULUS | 3 | 3 | | | | | | | | | |
| 離散數學 DISCRETE MATHEMATICS | 3 | | | 3 | | | | | | | |
| 程式設計 PROGRAM DESIGN | 3 | 3 | | | | | | | | | |
| 作業系統 OPERATING SYSTEMS | 3 | | | | 3 | | | | | | |
| 資料結構與處理 DATA STRUCTURE & PROCESSING | 3 | | | 3 | | | | | | | |

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|--|----------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|---------------|
| | | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | 上 1 st | 下 2 nd | |
| | | Semester | Semester | Semester | Semester | Semester | Semester | Semester | Semester | |
| 系統分析與設計 SYSTEM ANALYSIS AND DESIGN | 3 | | | | 3 | | | | | |
| 物件導向程式設計 OBJECT ORIENTED PROGRAMMING | 3 | | 3 | | | | | | | |
| 演算法 ALGORITHMS | 3 | | | | 3 | | | | | |
| 網路與通訊 NETWORK AND COMMUNICATION | 3 | | | | 3 | | | | | |
| 資料庫系統 DATABASE SYSTEMS | 3 | | | | 3 | | | | | |
| 專題實作 PRACTICE OF PROJECTS | 3 | | | | | | | 3 | | |
| 資訊通訊管理實務 PRACTICES IN MANAGEMENT OF INFORMATION AND COMMUNICATION TEC | 3 | | | | | | | 3 | | |

必修學分數 Required Credits : 74 學分

最低應修本系選修科目學分 Minimum Credits of Elective Courses required by the department : 20 學分

自由選修學分數 Other Elective Credits : 34 學分

畢業學分數 Graduation Credits : 128 學分