國立勤益科技大學 電子工程系 學年度 教學內容綱要

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|  | | | 專科進修學校 | | |  | | |
| 開課年級 | 1 | 開課學期 | | 下 | 預修課程 |  | | |
| 科目名稱 | 積體電路設計與應用 | | | | 修　別 | 選修 | 學分數／學時數 | 3/3 |
| 授課教師 | 洪玉城 | | | | | | | |
| 優質課程 | （ 0 ）0.一般課程、2.智慧財產權、2.性別平等、3.融滲式服務學習課程、4.創新、創意課程、  5.綠色課程（環境教育或永續發展教育相關課程）、6.工作（職場）倫理課程。 | | | | | | | |
| 教 科 書 | 自編講義(Handout by Instructor) | | | | | | | |
| 參 考 書 |  | | | | | | | |
| 評量方式 | 實作 0% 課堂活動參與與小考 30% 期中考 30% 期末考 40% 其他 0% | | | | | | | |
| 內  容  綱  要 | 1. IC產業介紹 2. 台灣IC產業主要公司 3. IC 製程技術 4. IC 設計流程 5. IC 設計電路觀念 6. 邏輯IC設計 7. IC 佈局 8. IC 封裝 | | | | | | | |

National Chin-Yi University of Technology Electronic Engineering Department

# Year of Syllabus（two-year junior program）

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| Year | 1 | Semester | Spring | Pre-taking Course |  | | |
| Course | IC Design and Applications | | | Required course  / Elective course | Elective | Credit / Hour | 3/3 |
| Instructor | Yu-Cherng Hung | | | | | | |
| Textbook | 自編講義(Handout by Instructor) | | | | | | |
| Reference |  | | | | | | |
| Scoring | Implementation 0% Class Activities and Quizzes 30% Midterm 30% Final Exam 40% Reports 0%  Others 0% | | | | | | |
| Syllabus | 1. IC Industry Overview 2. Introduction to Major IC Companies 3. IC Process Technology 4. IC Design Flow 5. IC Design Concept 6. Logic IC Design 7. IC Layout 8. IC Package | | | | | | |

**請遵守智慧財產權觀念，不得非法影印**