



課 綱 Course Outline
特殊教育學系學士班

中文課程名稱 Course Name in Chinese	資訊科技輔具研發與設計				
英文課程名稱 Course Name in English	Research and Design for Information Accessibility Technology				
科目代碼 Course Code	SPE_22310	班 別 Degree	學士班 Bachelor' s		
修別 Type	學程 Program	學分數 Credit(s)	2.0	時 數 Hour(s)	2.0
先修課程 Prerequisite					
課程目標 Course Objectives					
1. 認識身心障礙者輔助性科技需求 2. 設計並能應用特殊開關為重度障礙者使用 3. 設計並應用輔具於各類身心障礙者生活、工作或學習活動 4. 應用各類輔助性輸入、輸出介面E化環境中 5. 合作學習的電腦輔助教學。 6. 特殊輸入介面應用在特殊教育上。					
系教育目標 Dept.' s Education Objectives					
1	培育優質的特殊教育師資。 To cultivate remarkable special education teachers				
2	培育創新且傑出的特殊教育學術研究人才 To cultivate innovation and outstanding special education academic research talents				
3	培育優良的輔助科技人才。 To cultivate excellent assistive technology professionals.				
4	培育理論與實務兼具的特殊教育相關產業人才。 To foster principle and practice special education related area professionals.				
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	具備特殊教育理論與實務的探究素養 To demonstrate having principle and practice investigation literacy in special education.				

B	具備特殊需求學生潛能發展與學習需求的教育知能與素養 To demonstrate having educational knowledge and literacy in potential development and learning needs for students with special needs.	
C	具備特殊需求學生之評量與教學素養 To demonstrate having assessment and teaching literacy for students with special needs.	
D	具備特殊需求學生輔助科技教學設計與應用知能 To demonstrate having assistive technology teaching design and application knowledge for students with special needs.	○
E	具備特殊需求學生正向學習環境與適性輔導知能與素養 To demonstrate having positive learning environment and adaptive counseling knowledge literacy for students with special needs.	●
F	具備特殊教育專業倫理認知與實踐 To demonstrate having ethical and practical literacy in special education.	

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

課程大綱 Course Outline

本課程是針對主修特殊教育之學生所設計，課程將著重於合作學習、特殊輸入介面應用在身心障礙者的學習上。

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

教學方法：
1. 教師講述
2. 科技輔具實作
3. 討論與報告
4. 電腦教室互動多媒體設計

其他 Miscellaneous

<http://www.schee.ndhu.edu.tw/>