



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					
<ol style="list-style-type: none"> 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/>