



課 綱 Course Outline

幼兒教育學系學士班

中文課程名稱 Course Name in Chinese	幼兒STEAM教育				
英文課程名稱 Course Name in English	Early Childhood STEAM Education				
科目代碼 Course Code	ECE_32890	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					
本課程旨在培養幼教師培生具備引導幼兒進行STEAM教育之能力，使其能運用科學（Science）、科技（Technology）、工程（Engineering）、藝術（Art）與數學（Mathematics）等領域知識，引導幼兒發展學習興趣、探究能力、解決問題、創造思考及溝通合作等素養。					
系教育目標 Dept.' s Education Objectives					
1	培養優質的幼兒教保專業人才 To cultivate high-quality early childhood educare professionals				
2	培養具備本土化及國際觀之人才 To cultivate local and global perspectives professionals				
3	培養具備幼兒教保學術研究及實務兼備之人才 To cultivate research and practice in early childhood educare 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	具備幼兒教保發展理念與實務的素養。 To demonstrate the literacy of theorizing and performing developmentally appropriate early childhood educare curricula.			○	
B	具備理解與尊重幼兒發展及學習需求的素養。 To demonstrate the literacy of respecting and understanding preschool children's versatile developmental and learning needs.			●	

C	具備規劃適切的幼兒教保課程、教學及多元評量的素養。 To demonstrate the literacy of planning, executing, and evaluating developmentally appropriate educare programs for preschool children.	●
D	具備建立幼兒教保正向學習環境及適性輔導的素養。 To demonstrate the literacy of establishing positive learning environment and implementing multiple adaptive guidance for preschool children.	
E	具備認同與實踐幼兒教保專業倫理的素養。 To demonstrate the literacy of identifying and complying with the early childhood educare professional ethics.	○

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

課程大綱 Course Outline

本課程旨在培養學生設計與實施幼兒STEAM教育課程之能力。課程內容涵蓋STEAM教育之理論基礎、課程設計原則、教學策略與評量方法。學生將學習如何依據幼兒園課程綱要，發展具遊戲、探究成分的整合性主題課程，並設計能引導幼兒面對生活與遊戲中問題，並動手製作成品以解決問題之教學活動。

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.)

筆記型電腦、Powerpoint、單槍投影機、錄影帶或影音光碟播放設備等。

課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods

本課程以講授方式進行，輔以實際操作。

其他 Miscellaneous