

朝陽科技大學 097學年度第2學期教學大綱

Theory and Practice in Math Education for Montessori 蒙特梭利算數教育理論與實務

當期課號	3604	Course Number	3604
授課教師	張□方	Instructor	Chang,Ching Fang
中文課名	蒙特梭利算數教育理論與實務	Course Name	Theory and Practice in Math Education for Montessori
開課單位	幼兒保育系(二在)四B	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	本課程介紹蒙特梭利算數教育理論基礎與教學原則，示範如何運用教具介紹幼兒一至十的數概念、十進位的概念及正確的計數技巧，並透過實際活動協助幼兒建立加減乘除四則運算的觀念。	Objectives	The course is aimed to introduce fundamental theories and teaching principles of Montessori math education and concepts of numbers (1 to 10, counting, etc.) through demonstration and manipulation of teaching materials. Hand-on activities are also provided to help children learn concepts of addition, deduction, multiplication, and division.
教材	專題演說 展示教具 小組討論與報告	Teaching Materials	(Lecture) (Presentation) (Group discussion and report)
成績評量方式	出席20% 教具操作30% 讀書報告10% 教具操作檔案40%	Grading	(Absent) 20% (Presentation) 30% (Report) 10% (Portfolio) 40%
教師網頁	-		
教學內容	1.數量概念的基本練習 2.十進法 3.連續數的傳統性稱呼與排列 4.使用記憶的四則運算與心算	Syllabus	(Numeration) (Overview of Base Ten) (Counting) Four Operation Memorization of Facts

尊重智慧財產權，請勿非法影印。