

Department of Mathematics and Information Education

**Micro-credit Course for Literacy-oriented Mathematics
Teaching and Assessment**

Curriculum Structure & Course Title

112 Academic Year

Course type	科目名稱	Course title	Required/ Elective	Credits	Grade	Remark
Mathematic Education - Core Competencies	數學教育概論	Introduction to Mathematics Education	Elective	2	1-2	Each student has to take at least 5 credits in this course domain
	數學概念發展	Conceptual Development in Mathematics	Elective	3	2-1	
	數學解題研究	Study of Problem Solving in Mathematics	Elective	2	2-2	
	數學教學與評量	Teaching and Assessment in Mathematics	Elective	2	3-1	
	數學課程研究	Studies on Mathematics Curriculum	Elective	3	3-2	
Mathematics Literacy - Exploratory Teaching	數學導論	Introduction of Mathematics	Elective	3	1-1	Each student has to take at least 5 credits in this course domain
	數學素養探索與教學	Exploration and Teaching of Mathematics Literacy	Elective	3	2-1	
	幼兒之數學教育	Mathematics Education for Early Childhood	Elective	2	2-2	
	數學遊戲	Mathematics Games	Elective	2	2-2	
	中小學數學建模	Modeling in School Mathematics	Elective	2	3-1	
	跨領域數學課程探索與設計	Exploration and Design of Interdisciplinary Mathematics Curriculum	Elective	2	3-2	
	數學美育教育與數學發現	Aesthetic Education of Mathematics and Mathematical Discovery	Elective	2	3-2	
	數學史	History of Mathematics	Elective	3	4-1	
	小說與電影中的數學思維	Mathematical Thinking in Fictions and Films	Elective	3	4-1	
	數學科普閱讀與寫作	Reading and Writing Skills in General Mathematics	Elective	2	4-1	
	數學奠基活動探索與設計	Exploration and Design of Mathematics Grounding Activities	Elective	2	4-1	