

Department of Mathematics and Information Education

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

Curriculum Structure & Course Title

113 Academic Year

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

	Exploration and Design of Mathematics Grounding Activities	數學奠基活 動探索與設 計	Elective	2	4-1	
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