

Department of Mathematics and Information Education
Specialty Module for Mathematics and Teaching Enhancement
Curriculum Structure & Course Title

114 Academic Year

Course title	科目名稱	Required/ Elective	Credits	Grade	Remark
Linear Algebra (I)	線性代數(一)	Required	3	1-1	
Calculus (I)	微積分(一)	Required	3	1-1	
Calculus (II)	微積分(二)	Required	3	1-2	Students may qualify with successful completion of Calculus (I)
Conceptual Development in Mathematics	數學概念發展	Required	3	2-1	
Teaching and Assessment in Mathematics	數學教學與評量	Required	2	3-1	
Research in Mathematics Curriculum	數學課程研究	Required	3	3-2	
Introduction of Mathematics	數學導論	Elective	3	1-1	
Introduction to Mathematics Education	數學教育概論	Elective	2	1-2	
Mathematics Education for Early Childhood	幼兒之數學教育	Elective	2	2-1	
Study of Problem Solving in Mathematics	數學解題研究	Elective	2	2-2	
Teaching Aids for Mathematics	數學教學媒體	Elective	3	3-2	
Curriculum Design in Mathematics	數學課程設計	Elective	3	4-1	
Innovation and Design in Mathematics Teaching	數學教學創新設計	Elective	2	4-2	
Required 17 credits, Elective 7 credits, Total 24 credits					