

113化材系EMI課程地圖

化材系，113學年 大學部EMI課程地圖

(Department of Chemical and Materials Engineering , Academic year 113 EMI Course map for Undergraduate Program)

課程名稱 Course Name	課號 Course Code	修課年級 Year	學分數Credits		備註 Note
			上學期 Fall	下學期 Spring	
普通化學 General Chemistry	EG1007	化材系-一年級 Department:Department of Chemical and Materials Engineering only.Year:First Year only.	X	3	必修 (Required Courses)
質能平衡與化工計算 Introduction to Chemical Engineering and Computer Calculations	CH1012	化材系-一年級 Department:Department of Chemical and Materials Engineering only.Year:First Year only.	X	3	
有機化學 Organic Chemistry I II	CH2001 CH2002	化材系-二年級 Department:Department of Chemical and Materials Engineering only.Year:Second Year only.	3	3	
物理化學 Physical Chemistry II	CH2006	化材系-二年級 Department:Department of Chemical and Materials Engineering only.Year:Second Year only.	X	3	
材料化學 Materials Chemistry	CH2031	化材系-二年級 Department:Department of Chemical and Materials Engineering only.Year:Second Year only.	3	X	
化學工程概論 Chemical Engineering Outline	CH2033	化材系-二年級、三、四年級 Department:Department of Chemical and Materials Engineering only.Year:Second/Third /Fourth Year only.	3	X	
高分子科學 Introduction to Polymer Science	CH4049	化材系-三、四年級 Department:Department of Chemical and Materials Engineering only.Year:Third /Fourth Year only.	X	3	

化材系，113學年 研究所EMI課程地圖

(Department of Chemical and Materials Engineering , Academic year 113 EMI Course map for Graduate Program)

課程名稱 Course Name	課號 Course Code	修課年級 Year	學分數Credits		備註 Note
			上學期 Fall	下學期 Spring	
高等材料物理學 Materials Physics	CH7007	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	必修 (Required Courses)
軟質材料 Soft Materials	CH7008	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	
材料分析與鑑定 Materials Characterization	CH7009	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	
科技論文寫作 Scientific Writing	CH7012	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	選修課程(Elective Courses)
高等高分子物理 Advanced Polymer Physics	CH8031	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	
生物化學工程 Biochemical Engineering	CH8041	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
分子模擬 Molecular Modeling	CH8055	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
高等應用電化學 Applied Electrochemistry	CH8076	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
生物高分子 Biomacromolecules	CH8081	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
電路板製程與材料 Printed Circuit Board Process and Materials	CH8094	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	
生物啟發材料 Bio-inspired Materials	CH8097	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
有機金屬化學與應用 Organometallic Chemistry and Applications in Organic Synthesis	CH8111	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	3	X	
材料相變化學 Phase Transformations of Materials	CH8128	化材系-碩士班、博士班 Department:Department of Chemical and Materials Engineering only.Year:Graduate only.	X	3	