

物理系115學年度大學部EMI課程地圖

EMI Course Map for Undergraduate Program . Department of Physics -- 115 Academic Year

課程名稱 Course Name	課號*班別 Course Code	修課年級 Year	學分數Credits		備註 Note
			上學期 Spring	下學期 Fall	
普通物理A General Physics A	PH1031*B PH1032*B	太空系-一年級 Department of Space Science and Engineering- First Year	3	3	
普通物理A General Physics A	PH1031*E、F PH1032*E、F	電機系-一年級 Department of Electrical Engineering-First Year	3	3	
普通物理A General Physics A	PH1031*H PH1032*H	生醫系-一年級 Department of Biomedical Sciences and Engineering-First Year	3	3	
普通物理C General Physics C	PH1040	化材系-一年級 Department of Chemical Materials and Engineering-First Year	3	X	
普通物理A General Physics A	PH1036*A	機械系-一年級 Department of Mechanical Engineering-First Year	X	3	
熱物理 Thermal Physics	PH3011*A PH3011*B	物理系二年級 Department of Physics-Second Year	3	X	必修課程 (Required)
實驗物理與方法I Experimental Physics and Method I	PH1030*A	物理系一年級 Department of Physics-First Year	X	6	必修課程 (Required)

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電子學(含實驗)I Electronics (with Experiments) I	PH3063	物理系-三、四年級 Department of Physics-Third/Fourth Year	3	X	選修課程 (Elective)
相對論導論 Introduction to Relativity	PH4035	物理系-三、四年級 Department of Physics-Third/Fourth Year	3	X	選修課程 (Elective)
高能物理導論 Introduction to High Energy Physics	PH4040	物理系-三、四年級 Department of Physics-Third/Fourth Year	3	X	選修課程 (Elective)
生物物理導論 Introduction to Biophysics	PH3048	物理系-三、四年級 Department of Physics-Third/Fourth Year	X	3	選修課程 (Elective)
用Python做天文物理 Doing Astrophysics using Python	PH3066	物理系-三、四年級 Department of Physics-Third/Fourth Year	X	3	選修課程 (Elective)
粒子物理導論 Introduction to Particle Physics	PH4066	物理系-三、四年級 Department of Physics-Third/Fourth Year	X	3	選修課程 (Elective)

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			上學期 Spring	下學期 Fall	
量子力學I Quantum Mechanics I	PH6003	物理系碩博士班 MSc & PhD in Physics	3	X	
電動力學I Classical Electrodynamics I	PH6005	物理系碩博士班 MSc & PhD in Physics	3	X	
量子場論I Quantum Field Theory I	PH6029	物理系碩博士班 MSc & PhD in Physics	3	X	
固態物理I Solid State Physics I	PH6033	物理系碩博士班 MSc & PhD in Physics	3	X	
軟凝體物理 Soft Condensed Matter Physics	PH7024	物理系碩博士班 MSc & PhD in Physics	3	X	
統計力學I Statistical Mechanics	PH6012	物理系碩博士班 MSc & PhD in Physics	X	3	
生物物理 Biophysics	PH6059	物理系碩博士班 MSc & PhD in Physics	X	3	
非線性動力學 Nonlinear Dynamics	PH6070	物理系碩博士班 MSc & PhD in Physics	X	3	

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			上學期 Spring	下學期 Fall	
廣義相對論 General Relativity	PH7014	物理系碩博士班 MSc & PhD in Physics	x	3	
現代宇宙學 Modern Cosmology	PH7046	物理系碩博士班 MSc & PhD in Physics	x	3	
重力波與多重訊息觀測 Gravitational Wave and Multi-messenger Astronomy	PH7062	物理系碩博士班 MSc & PhD in Physics	x	3	