

Study Plan of Academic Year 111~ (2022~) in PHYS(Master's Program)

類別 Type	類別 Module	科目名稱 Course Title	規定學分 Credits	修課年級 Academic Year / Semester	備註 Remark
校訂 Courses Required by the University		論文 Thesis	6		6
系必修課程 Department Required		書報討論(一) Seminar (I)	2	semester/1st	4
		書報討論(二) Seminar (II)	2	semester/2nd	
群組必修 Compulsory for groups		量子力學(一) Quantum Mechanics I	3	semester/1st	12
		量子力學(二) Quantum Mechanics II	3	semester/2nd	
		固態物理(一) Solid State Physics (I)	3	semester/1st	
		固態物理(二) Solid State Physics (II)	3	semester/2nd	
		高等光電子學 Advanced Photonics	3	semester/2nd	
		統計力學 Statistical Mechanics	3	semester/2nd	
		光學薄膜 Optical Thin Films	3	semester/1st	
		色彩光學 Colorimetry in Optics	3	semester/2nd	
		雷射原理 Laser Physics	3	semester/1st	
		超快光學 Ultrafast Optic	3	semester/2nd	
		非線性光學 Nonlinear Optics	3	semester/1st	
		傅氏光學 Fourier Optics	3	semester/1st	
		生物物理 Biophysics	3	semester/2nd	
		高等實驗技術 Advanced Experimental Technology	3	semester/1st	
		光學設計 Optical Design	3	semester/2nd	
		半導體物理 Semiconductor Physics	3	semester/1st	
		粒子物理 Particle Physics	3	semester/2nd	
		應用光學(一) Applied Optics I	3	semester/1st	
		應用光學(二) Applied Optics	3	semester/2nd	
		電磁波輻射原理與應用 Principles and Applications of Electromagnetic Radiation	3	semester/1st	
		材料科學與應用 Materials Science and Engineering: An Introduction	2	semester/2nd	
		進階應用電子學實驗 Advanced Electronics Laboratory	2	semester/1st	
	太空物理 Space Physics	3	semester/2nd		
	低溫物理 Low Temperature Physics	2	semester/1st		
系選修課程 Department elective subject		物理數學 Mathematical Physics	3	semester/1st	
		物性專題(一) Special Topics of Physical Properties(I)	1	semester/1st	
		物性專題(二) Special Topics of Physical Properties(II)	1	semester/2nd	
		光纖雷射導論 Introduction to Fiber Lasers	2	semester/1st	