Required Courses for New Students Admitted in the Academic Year 111 DEPARTMENT OF PHYSICS (SECTION OF ELECTRO-OPTICAL PHYSICS

科 目 名 稱	學分	Year 1		Year 2		Year 3		Ye a r		備註
Course title	數	1st	2nd	1st	2nd	1st	2nd	1st	2nd	Notes
基礎物理數學 Fundamental mathematical physics	2	0	2							
普通化學 General chemistry	3	3	0							
普通化學實驗 General chemistry lab.	1	1	0							
普通物理 General Physics	8	4	4							
普通物理實驗 General physics lab.	2	1	1							
微積分 Calculus	6	3	3							
カ學 Mechanics	3			3	0					
物理數學 Mathematical physics	6			3	3					
電磁學 Electromagnetism	6			3	3					
電磁學實驗 Electromagnetic physics lab.	2			1	1					
電子學 Electronics	3					3	0			
光學 Optics	3					3	0			
量子物理 Quantum physics	6					3	3			
熱力學 Thermodynamics	3					3	0			
光學實驗 Optics lab.	1					1	0			
電子學實驗 Electronics lab.	2					1	1			
半導體物理 Physics Of Semiconductors	3					0	3			
光電系統概論 Introduction To Opto-Electric System	3					0	3			Choose 1 course from 4, the remaining courses are recognized as electives in the department
同步輻射概論與應用 Introduction To Synchrotron Radiation: Techniques And Applications	3							3	0	
量子光學導論 Introduction To Quantum Optics	3							3	0	
近代物理實驗 Modern physics lab.	2							1	1	

科 目 名 稱	學分	Ye	ar 1	Year 2		Year 2		Year 2		Year Yea 4		Year 3		Ye a r 4		備註
Course title	數				2nd											

(1) Required credits (including general education 26 credits): 88 credits

(2) Minimum departmental elective credits: 24 credits

(3) Free elective credits: 16 creditsTotal credits for graduation: 128 credits

Required Courses for New Students Admitted in the Academic Year 111 DEPARTMENT OF PHYSICS (SECTION OF APPLIED PHYSICS)

科 目 名 稱	學分	Ye a r		備註						
Course title	數	1st	2nd	1st	2nd	1st	2nd	1st	2nd	Notes
基礎應用數學 Fundamental Applied Mathematics	2	0	2							
普通化學 General chemistry	3	3	0							
普通化學實驗 General chemistry lab.	1	1	0							
普通物理 General Physics	8	4	4							
普通物理實驗 General physics lab.	2	1	1							
微積分 Calculus	6	3	3							
應用力學 Applied Mechanics	3			3	0					
應用數學 Applied Mathematics	6			3	3					
應用電磁學 Applied Electromagnetism	6			3	3					
電磁學實驗 Electromagnetic physics lab	2			1	1					
應用電子學 Applied Electronics	3					3	0			
光學 Optics	3					0	3			
光學實驗 Optics lab.	1					0	1			
量子物理 Quantum physics	6					3	3			
熱物理 Thermal Physics	3					3	0			
應用電子學實驗 Applied Electronic lab.	2					1	1			
計算物理 Computational Physics	3					0	3			
統計力學導論 Introduction To Statistical Mechanics	3					0	3			Choose 1 course from 4, the remaining courses are recognized
固態物理 Solid State Physics	3							3	0	as electives in the department
量子力學(一) Quantum Mechanics(I)	3							3	0	
近代物理實驗 Modern physics lab.	2							1	1	

科 目 名 稱	分分	Ye a r		1角 註						
Course title	數	1st	2nd	1st	2nd	1st	2nd	1st	2nd	Notes

(1)Required credits (including general education 26 credits) : 88 credits

(2)Minimum departmental elective credits: 24 credits

(3)Free elective credits: 16 credits

Total credits for graduation: 128 credits