

Number	Field Category Number		Course title(English)	Course title(Chinese)	Semester	Curriculum Identity	Credit	
108學年度 停開 Course suspended	1	Materials	1	材料顯微結構與缺陷				20191126 Update
1	2	Physics	1	Magnetic Materials	Spring	527 M1690	3學分	
2	3	Chemistry	1	Mechanical Behavior of Materials	Spring	527 M1230	3學分	
3	4	Others	1	Energy Materials	Spring	527 U3190	3學分	
109學年度 停開 Course suspended			1	X-Ray Diffraction	Spring	527 M1030	3學分	20211123 Update
4			2	Quantum Mechanics	Fall	222 D5061	3學分	20191126 Update
5			2	Introduction to Solid State Physics	Fall	222 D5300	3學分	
			2		Fall	222 M1720	4學分	
			2		固態物理	Spring	527 U1150	3學分
This course is offered biennially			2	Introduction to Recent Trends in Molecular Science	Spring	551 D0110	3學分	20211130 Update
7			2	Modern Experimental Techniques-Physics	Fall	222 D5400	2學分	20201210 Update
8			2	Fundamentals and Application of Synchrotron Radiation and Neutron Scattering	Fall	222 D3380	2學分	
111學年度 停開 Course suspended			2	Optics for Applications	Spring	222 D3440	3學分	
9			2	Special Topics on Solid State Physics: Advances and Applications	Spring	222 D3210	3學分	20210218 Update
10			2	Science and Practices of Crystal Growth	Spring	222 M0160	2學分	20211207 Update
11			2	Advanced Materials: Fundamentals and Applications	Spring	222 D5480	3學分	20220121 Update
12			2	Introduction to Quantum Optics	Spring	222 U0330	3學分	20210622 Updated
13			3	Advanced Inorganic Chemistry (I)(tigg)	Fall	223 D9130	3學分	20201210 Update
This course is offered biennially			3	Advanced Organic Chemistry (I)(tigg)	Spring	223 D9110	3學分	20191126 Update
This course is offered biennially			3	Advanced Analytical Chemistry (I)(tigg)	Spring	223ED9150	3學分	20191126 Update
16、17			1、3	Introduction to Sustainable Chemical Science and Technology I、II	Fall/Spring	223 U9270 223 U9280	3學分	20191126 Update
18			1、3	Advanced Heat and Mass Transfer	Spring	524 M1200	3學分	
19			1、3	Advanced Chemical Engineering Thermodynamics	Spring	524M1110	3學分	
20			2、3	Advanced Topics in Physical Chemistry	Spring	524M16180	3學分	
111學年度 停開 Course suspended			2、3	Mass spectrometry, Principles and Applications	Spring	551 D0090	2學分	20201210 Update
22			2、3	Irreversible Thermodynamics and Its Application in Spin Caloritronics	Fall	551 D0060	3學分	20191126 Update
23、24、25			2、3	Advanced Physical Chemistry I、II、III	Fall/Spring	223 M1310 223 M1320	3學分	
					Fall/Spring	223 M1340		
26			1、3	Advanced Chemistry of Materials (tigg)	Spring	223 U9110	3學分	20201210 Update
27			1、2、3	Computational Materials	Spring	222 D5020	3學分	20191126 Update
28			1、2、3	Introduction to Nanotechnology	Fall	222 D5340	3學分	

Approved by the committee.