

碩士班修習科目表

List of Course for master program

類別 Categories	科目 Course	學分 Credits
必修科目 Required Course	碩士論文 Thesis	6
	書報討論 Seminar	4
選修科目 Elective Course	化學專論 Special Topics in Chemistry	2
	進階有機化學 Advanced Organic Chemistry	3
	有機反應機構 Organic Structure and Mechanism	3
	有機合成 Organic Synthesis	3
	有機金屬化學 Organic Metallic Chemistry	3
	有機材料化學 Organic Materials Chemistry	3
	超分子化學 Supramolecular Chemistry	2
	進階無機化學 Advanced Inorganic Chemistry	3
	配位化學 Coordination Chemistry	3

<p>選修科目</p> <p>Elective Course</p>	<p>化學動力學</p> <p>Chemical Kinetics</p>	3
	<p>無機物理方法</p> <p>Physical Methods in Inorganic Chemistry</p>	3
	<p>進階物理化學</p> <p>Advanced Physical Chemistry</p>	3
	<p>電腦化學</p> <p>Computational Chemistry</p>	3
	<p>量子化學</p> <p>Quantum Chemistry</p>	3
	<p>表面化學</p> <p>Surface Chemistry</p>	3
	<p>分析電化學</p> <p>Analytical Electrochemistry</p>	3
	<p>進階分析化學</p> <p>Advanced Analytical Chemistry</p>	3
	<p>質譜學</p> <p>Mass Spectrometry</p>	3
	<p>化學分離</p> <p>Chemical Separation</p>	3
	<p>生醫質譜學</p> <p>Medical Applications of Mass Spectrometry</p>	3
	<p>進階生物化學</p> <p>Advanced Biochemistry</p>	3
	<p>生物高分子科技</p> <p>Biopolymer Science and Technology</p>	3
	<p>生技製藥的研發與設計 Med. Chem.</p> <p>Strategies in Biotech Drugs R&D</p>	3

選修科目 Elective Course	蛋白化學 Protein Chemistry	3
	醫藥化學 Medicinal Chemistry	3
	生物有機化學 Bioorganic Chemistry	3
	免疫化學 Immunochemistry	3
	太陽能電池及系統專題實作 Special Topics on Solar Cell and PV System	3
	生物巨分子光譜 Spectroscopy of Biopolymer	3
	科學論文寫作 Scientific Writing	3
	生物訊息傳遞 Biosignaling	1
	結構生物化學 Structural Biochemistry	2
	蛋白質折疊與疾病 Protein Folding and Diseases	1
	功能性胜肽之開發 Development of Functional Peptides	2
必修學分數 Required Subtotal Credit	10	
選修學分數 Elective Subtotal Credit	20	
畢業學分數 Total Credit	30	

1. 選修科目請參閱課表實際開課資料。

2. 研究所除主修領域課程外，其餘選修課程由指導教授指定。

1. For elective subjects, please refer to the actual curriculum.

2. In addition the main courses, the remaining elective courses are specified by the thesis advisor.