

2018Spring Semester (106下)

Required Courses	Credits	Coordinator	Time	Classroom	Note	Permanent Course Number	Course Number	First Class	Program
Introduction to Sustainable Chemical Science and Technology II 永續化學科技導論 II	3	Ito Chao	Wednesday AM 09:00 - 12:00	A507, IoC, AS 中研院化學所 A507			4020	7-Mar	SCST
Seminar 書報討論	1	Ito Chao	Wednesday PM 02:30 - 04:30	B105, IoC, AS 中研院化學所 B105	All the newly enrolled students should attend this course for one year. Professors will leave at least five minutes at the end of the class for questions. The scores of the students will be from the questions they ask, attendance and the presentation in spring semester. The second year students should take this course, but no need to attend. Their scores will be given by the respective thesis advisors on the basis of students' presentation in the group meetings.		4021	7-Mar	SCST
Colloquium 專題演講	1	Wei-Hau Chang	無上課時間		Submit at least 8 reports on lectures/seminars attended. Please hand in all the reports as one single file and name the file as "Year Semester CQ - student name" (e.g. 2018 Spring CQ - Marie Curie) before the final exam week.		4022		SCST
Lab Rotation 實驗室實習	0		無上課時間		The first semester it is required for every freshmen, the second semester it is elective course for the person who need. Once you identify your thesis advisor, don't need to do rotation anymore. Each lab rotation period shall not exceed three months. Students are requested to submit lab rotation form to the SCST secretary within two weeks after finishing each lab rotation. You are welcome to have more lab rotations. Just remember to submit your last rotation form no later than the final exam week of the second semester. Consultation from the Academic and Student Affairs Committee will be provided to students who have difficulty identifying a thesis advisor. By September 1st of the second academic year, you must have identified your thesis advisor.		4023		SCST
Elementary Chinese II 初級中文 II	0	Ms. Chi (戚恕平)	Monday AM 09:00 - 12:00 Friday PM 02:00 - 05:00	R207, TIGP T&A Building, AS 中研院國際研究生教學研究大樓 2F	Required for all international students. unless proof of Chinese proficiency can be provided.		4024	23-Feb	SCST

Elective Courses	Credits	Coordinator	Time	Classroom	Note	Permanent Course Number	Course Number	First Class	Program
Advanced Organic Chemistry 高等有機化學	3	Cheng-Chung Wang Shie, Jiun-Jie	Thursday PM 01:30-04:30	B105, IoC, AS			4025	1-Mar	SCST
Advanced Analytic Chemistry 高等分析化學	3	Yu-Ju Chen Der-Lii Tzou	Thursday PM 09:00-12:00	A507, IoC, AS			4026	22-Feb	SCST
Pharmaceutical Chemistry 藥物化學(CHEM 130 A)	2	UCD Professors	Mondays (optional) 2pm - 5pm (consultation, discussion and/or self-study time) Thursdays: 2pm - 5pm Saturday: 9am - 12pm Course Duration: 29 March-28 April	TBC	<p>**Students who intend to take the class for getting certificates and credits: 1. register the class at http://www.ibc.sinica.edu.tw/ucd-as/regform.aspx between mid-February and late March. No application fee required. 2. Register the class via the course selection system of your registered university.</p> <p>For more information, please visit: http://www.ibc.sinica.edu.tw/ucd-as/Prog.html</p> <p>For Computer Modeling for Drug Design: ***The AST students may attend whichever lab periods they wish in order to complete the computational experiments -- depending on how efficiently they work, that should be 4-5 lab periods. In order to receive credit for the completing the course, the AST students will need to complete, satisfactorily, all of the short post-lab reports associated with the computational experiments. By carrying out the computational experiments and completing the post-lab reports, they will have gained sufficient experience with modern drug design software to be able to apply these tools to problems in their research as desired.</p>		4032	3/29 - 4/28	CBMB
Computer Modeling for Drug Design 電腦模擬運算之藥物設計	1	UCD Professors	Monday & Friday 9am-12pm & 2pm-5pm Saturdays 9am-12pm & 2pm-5pm Course Duration: 18 May - early June	TBC			4034	5/18 -	CBMB
Chemistry of Natural Products 天然物化學	2	CBMB Faculty	Mondays(optional) 9am - 12pm 1pm - 4pm (consultation, discussion and/or self-study time) Thursdays: 2pm - 5pm Saturday: 9am - 12pm Course Duration: 3 May - 19 May	TBC				5/3 - 5/19	CBMB
Experimental Molecular Biophysics 實驗分子生物	3	CBMB Faculty	Tuesdays PM 02:00-05:00	R102, IBC			4030	27-Feb	CBMB

Elective Courses	Credits	Coordinator	Time	Classroom	Note	Permanent Course Number	Course Number	First Class	Program
Discussion in Advanced Chemical Biology II 高等化學生物 II	3	CBMB Faculty	Fridays AM 09:10-12:10	R121, NTU			4031	23-Feb	CBMB
Advanced Physical Chemistry II 高等物理化學II	3	Michitoshi Hayashi Jer-Lai Kuo	Monday AM 09:10-10:00 Wednesday AM 10:10-12:00	R121, IAMS			4028		MST
Advanced Nanotechnology A 進階奈米科技A	3	Nano Faculty	Wednesday AM 09:10-12:00	P101, IoP, AS	for physics background students		4027		Nano
Advanced Nanotechnology B 進階奈米科技B	3	Yi-Chung Tung Pei-Lin Chen	Friday AM 09:30-12:30	P101, IoP, AS	for chemistry and bio background students		4029		Nano
Organometallic Chemistry 有機金屬化學	3	Tiow-Gan Ong	Monday AM 09:00-12:00	SB203, NCTU			5421		NCTU
Principle of Photochemistry 光化學原理	2	Diau, Eric	Thursday PM 01:20-03:10	SB203, NCTU			5410		NCTU
Advanced Organic Chemistry(II) 高等有機化學(二)	3	Shih-Ching Chuang Yen-Ku Wu Ilhyong Ryu	Wednesday PM 01:20-02:10 Friday AM 10:10-12:00	SB203, NCTU			5423		NCTU
Pharmaceutical Design 藥物設計	3	Chung-Ming Sun	Tuesday AM 09:00-12:00	SB522, NCTU			5424		NCTU
Scientific Thesis Analysis and Practice 科學論文分析與實作	3	Hsin-Yun HSU	Wednesday AM 09:00-12:00	EO615, NCTU			5427		NCTU
Polymer Crystal Structure Morphology and Defects 高分子晶體學	2	Chien-Lung Wang	Thursday AM 10:10-12:00	EO701, NCTU			5425		NCTU

Elective Courses	Credits	Coordinator	Time	Classroom	Note	Permanent Course Number	Course Number	First Class	Program
Inorganic Spectroscopy 無機光譜	2	Hsueh-Ju Liu	Monday PM 01:20-03:10	SB522, NCTU			5428		NCTU
Laser Bio/Nano Science 雷射生物奈米科學	3	Hiroshi Masuhara	Tuesday PM 01:20-04:20	SC151, NCTU			5462		NCTU
Advanced Spectroscopy 進階光譜學	3	Yasuki Endo	Wednesday AM 09:00-12:00	SB429, NCTU			5465		NCTU
Introduction of Synchrotron & Laser Techniques in Biomedical Research 同步輻射與雷射在生醫研究之應用	3	Teruki Sugiyama	Wednesday PM 01:20-04:20	SC159, NCTU			5460		NCTU
Group Theory for Chemistry 化學應用群論	3	Henryk Witek	Tuesday PM 01:20-04:20	SB202, NCTU			5466		NCTU