

105 Ph.D. program for the Faculty of Medicinal and Applied Chemistry

Type of Course	Code	Courses	Credits	1 st Year 1 st Semester	1 st Year 2 nd Semester	2 nd Year 1 st Semester	2 nd Year 2 nd Semester	Faculty	note
Required courses		Behavior							
		Seminar	1	1				Hsuan-Ying Chen	English
		Seminar	1		1			Hsuan-Ying Chen	English
		Seminar	1			1		Yeh-Long Chen	English
		Seminar	1				1	Yeh-Long Chen	English
		Special Topics in Advanced in frontier areas of chemistry	4	2	2			Wei-Yu Lin	English
		Professional Practice in Chemistry	0	0	0	0	0	Sodio C. N. Hsu	English
		Special Lecture	0	0	0	0	0	Genin Gary Huang	
		Total	8	3	3	1	1		
	Dissertation	12							
Elective courses		Special Topics in Advanced Medicinal and Applied Chemistry(I)	2	2				Chai-Lin Kao	English
		Special Topics in Advanced Medicinal and Applied Chemistry (II)	2		2			Chai-Lin Kao	English
		Special Topics in Advanced materials in chemistry	2		2			Chih-Kuang Wang	
		* Special Topics in Advanced Inorganic Chemistry (I)	2	2				Hsuan-Ying Chen	English
		* Special Topics in Advanced Inorganic Chemistry (II)	2		2			Hsuan-Ying Chen	English
		* Special Topics in Advanced Physical Chemistry (I)	2	2				Li-Fang Wang	English
		* Special Topics in Advanced Physical Chemistry (II)	2		2			Li-Fang Wang	English
		Special Topics in Advanced Electrochemistry	2		2			Po-Yu Chen	
		* Special Topics in Advanced Medicinal Chemistry (I)	2	2				Cherng-Chyi Tzeng	English
		* Special Topics in Advanced Medicinal Chemistry (II)	2		2			Cherng-Chyi Tzeng	English
		* Special Topics in Advanced Analytical Chemistry (I)	2	2				Kumar	English
		* Special Topics in Advanced Analytical Chemistry (II)	2		2			Kumar	English
		* Special Topics in Advanced Organic Chemistry (I)	2	2				Chian-Hui Lai	English
		* Special Topics in Advanced Organic Chemistry (II)	2		2			Chai-Lin Kao	English
		Special Topics in Advanced Biomaterials (I)	2	2				Li-FangWang	
		Special Topics in Advanced Biomaterials (II)	2		2			Li-FangWang	
		Special Topics in Advanced (I)	2	2				Chian-Hui Lai	
		Special Topics in Advanced (II)	2		2			Chian-Hui Lai	
		Special Topics in Advanced Heterocyclochemistry (I)	2	2				Long-Chin Hwang	
		Special Topics in Advanced Heterocyclochemistry (II)	2		2			Long-Chin Hwang	
	Special Topics in Advanced Biochemistry (I)	2	2				Tzu-Pin Wang		
	Special Topics in Advanced Biochemistry (II)	2		2			Tzu-Pin Wang		

	Special Topics in Advanced Bioorganic Chemistry (I)	2	2				Jeh-Jeng Wang	
	Special Topics in Advanced Bioorganic Chemistry (II)	2		2			Jeh-Jeng Wang	
	Special Topics in Biocatalytical Chemistry (I)	2	2				Tzu-Pin Wang	
	Special Topics in Biocatalytical Chemistry (II)	2		2			Tzu-Pin Wang	
	Special Topics in Advanced Academic Writing in Chemistry(I)	2			2		Hui-Fen Chen	English
	Special Topics in Advanced Academic Writing in Chemistry(II)	2				2	Hui-Fen Chen	English

【Note】

1. Minimum credits of 18 are required for course works. (12 credits of "Dissertation of Ph.D." can not be applied to this category)
2. Part time-graduate students are allowed to receive 11 credits in each semester at most. The limit for full-time student is 15 credit hours in each semester
3. Every student is required to select at least 3 courses from those 5 courses marked as "*" and have to obtain at least 2 credits for an elective course.
4. "*" :
 - I. **Special Topics in Advanced Inorganic Chemistry**
 - II. **Special Topics in Advanced Physical Chemistry**
 - III. **Special Topics in Advanced Medicinal Chemistry**
 - IV. **Special Topics in Advanced Analytical Chemistry**
 - V. **Special Topics in Advanced Organic Chemistry**
5. In each semester, students can receive no more than 4 credits from graduate courses not provided by the department of Medicinal and Applied Chemistry.