

109 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							
		Academic Integrity and Seminar	2	1	1			Genin Gary Huang	English
		Seminar	2			1	1	Vinoth Kumar	English
		Professional Practice in Chemistry	0	0	0	0	0	I Genin Gary Huang II Vinoth Kumar	English
		Special Lecture	0	0	0	0	0	Vinoth Kumar	
		Total	4	1	1	1	1		
		Dissertation	12						
Elective courses	*	Special Topics in Advanced Inorganic Chemistry (I)	2	2				Chia-Hsiang Chen	English
	*	Special Topics in Advanced Inorganic Chemistry (II)	2		2			Chia-Hsiang 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 Medicinal Chemistry (I)	2	2				Yeh-Long Chen	English
		Special Topics in Advanced Medicinal Chemistry (II)	2		2			Chai-Lin Kao	English
	*	Special Topics in Advanced Analytical Chemistry (I)	2	2				Vinoth Kumar	English
	*	Special Topics in Advanced Analytical Chemistry (II)	2		2			Vinoth Kumar	English
	*	Special Topics in Advanced Organic Chemistry	2		2			Chai-Lin Kao	English
		Special Topics in Advanced Biomaterials	2		2			Li-FangWang	
		Special Topics in Advanced Heterocyclochemistry	2	2				Long-Chin Hwang	
		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 Advanced in frontier areas of chemistry (I)	2	2	0			Wei-Yu Lin	English
		Special Topics in Advanced in frontier areas of chemistry (II)	2	0	2			Wei-Yu Lin	English
		Special Topics in Advanced Academic Writing in Chemistry(I)	2			2		Sodio C.N. Hsu	English
		Special Topics in Advanced Academic Writing in Chemistry(II)	2				2	Sodio C.N. Hsu	English
	CSRC Industry Internship(I)(II)(III)(IV)	12					Sodio C.N. Hsu		

【Note】

1. Doctoral students are required to take a minimum of 18 credits of required courses excluding 12 credits of “Dissertation of Doctoral degree”.
2. The 18 credits’ worth of elective courses should include at least 3 courses marked with an *.
3. Doctoral students shall take no more than 15 credits of elective courses per semester.
4. Doctoral students need to submit at least one of the following English proficiency test

certificates prior to their PhD dissertation exam:

- i. Test of English as a Foreign Language (TOEFL): TOEFL Institutional Testing Program (ITP)- 500 points (or above) or TOEFL Computer-Based Test (CBT)- 193 points (or above) or TOEFL Internet-Based Test (iBT)- 68 points (or above) required.
- ii. General English Proficiency Test (GEPT): High-Intermediate level (First Stage or above) required.
- iii. Test of English for International Communication (TOEIC): 600 points (or above) required.
- iv. International English Language Testing System (IELTS): 5.5 points (or above) required.

if the students fail to pass any one of the aforementioned English proficiency tests, they are required to enroll in English courses and pass the exam in KMU's Center for Languages and Culture.

5. Every student should pass the exam held by the "Center for Taiwan Academic Research prior to their doctoral dissertation exam.