

108 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	Hsuan-Ying Chen	English
		Professional Practice in Chemistry	0	0	0	0	0	I Genin Gary Huang II Kumar	English
		Special Lecture	0	0	0	0	0	Kumar	
		Total	4	1	1	1	1		
		Dissertation	12						
Elective courses	*	Special Topics in Advanced Inorganic Chemistry (I)	2	2				Hsuan-Ying 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 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				Chai-Lin Kao	English
	*	Special Topics in Advanced Organic Chemistry (II)	2		2			Chai-Lin Kao	English
		Special Topics in Advanced Biomaterials	2		2			Li-Fang Wang	
		Special Topics in Advanced Heterocyclochemistry	2	2				Long-Chin Hwang	
		Special Topics in Advanced Biochemistry	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 Advanced Academic Writing in Chemistry(I)	2			2		James R. Carey	English
		Special Topics in Advanced Academic Writing in Chemistry(II)	2				2	James R. Carey	English
		Special Topics on Advanced Experimental Approaches			2			Hans	English
		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	

【Note】

1. Minimum credits required for a doctoral degree student are 18 credits of required course works

and it's not included with 12 credits of "Dissertation of Doctoral degree".

2. The 18 credits of elective courses have to include at least 3 "*" courses.
3. The maximum limit for doctoral student to select courses are 15 credits hours per semester.
4. Doctoral degree students must to submit at least one of the following English proficiency pass test score prior to their PhD dissertation exam:
 - I. Scores for 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).
 - II. General English Proficiency Test (GEPT) passed with High-Intermediate level (First Stage).
 - III. Scores for Test of English for International Communication (TOEIC) passed with 600 points (or above).
 - IV. Scores for International English Language Testing System (IELTS) passed with 5.5 points (or above).

*Students are required to enroll the 'English Courses' and passed in the Center for Languages and Culture (KMU), if students failed to produce any one of the above English proficiency tests.

5. Every students should enroll and finish the exam held by 'Center for Taiwan Academic Research', and get the certificate prior to their Doctoral dissertation exam.