

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

Type of Course	Code	Courses	Credits	1st Year 1st Semester	1st Year 2nd Semester	2nd Year 1st Semester	2nd Year 2nd Semester	3rd Year 1st Semester	4th year 1st Semester	Faculty	note
Require courses		Behavior									
		學術倫理暨專題討論(EMI) Academic Integrity and Seminar(EMI)	2	1	1					Genin Gary Huang	English
		專題討論(EMI) Seminar(EMI)	2			1	1			Vinoth Kumar	English
		特別演講(EMI) Special Lecture(EMI)	0	0	0	0	0			Vinoth Kumar	English
		教學實習(EMI) Professional Practice in Chemistry(EMI)	4	1	1	1	1			1. Tsai-Hui Duh 2. Wei-Yu Lin	English
		合計 Total	8	1	1	1	1				
		博士論文 Dissertation	12								
Elective courses	*	高級無機化學特論(一) (EMI) Special Topics in Advanced Inorganic Chemistry (I) (EMI)	2	2						Chia-Hsiang Chen	English
	*	高級無機化學特論(二) (EMI) Special Topics in Advanced Inorganic Chemistry (II) (EMI)	2		2					Chia-Hsiang Chen	English
	*	高級物理化學特論(EMI) Special Topics in Advanced Physical Chemistry (EMI)	2	2						Li-Fang Wang	English
		高級藥物化學特論(EMI) Special Topics in Advanced Medicinal Chemistry (EMI)	2	2						Wei-Peng Li	English
	*	高級分析化學特論(一) (EMI) Special Topics in Advanced Analytical Chemistry (I) (EMI)	2	2						Vinoth Kumar	English
	*	高級分析化學特論(二) (EMI) Special Topics in Advanced Analytical Chemistry (II) (EMI)	2		2					Vinoth Kumar	English
	*	高級有機化學特論(EMI) Special Topics in Advanced Organic Chemistry(EMI)	2		2					Chai-Lin Kao	English
		高級雜環化學特論(EMI) Special Topics in Advanced Heterocyclochemistry(EMI)	2	2						Chai-Lin Kao	English
		高級生物有機化學特論 (一) (EMI) Special Topics in Advanced Bioorganic Chemistry (I) (EMI)	2	2						Jeh-Jeng Wang	English
		高級生物有機化學特論 (二) (EMI) Special Topics in Advanced Bioorganic Chemistry (II) (EMI)	2		2					Jeh-Jeng Wang	English
		高級化學尖端領域特論(一) (EMI) Special Topics in Advanced in frontier areas of chemistry(I) (EMI)	2	2						Wei-Yu Lin	English
		高級化學尖端領域特論(二) (EMI) Special Topics in Advanced in frontier areas of chemistry(II) (EMI)	2		2					Wei-Yu Lin	English
		中橡集團-碳黑事業實習 (一)(二)(三)(四) (EMI) CSRC Industry Internship(I) (II) (III)(IV) (EMI)	12	3		3		3	3	Sodio C.N. Hsu	English

**【Note】**

1. Doctoral students are required to take a minimum of 22 credits of course excluding 12 credits of Dissertation of Doctoral degree". (choose 3 out of 6 courses marked "✱"; for students admitted from 2020)
2. Doctoral students shall take no more than 15 credits of elective per semester.
3. Elective courses require a minimum enrollment of 3 students to be offered
4. Credits from related departments or partner universities may be recognized with approval from the advisor and department chair.
5. Ph.D. students may take biostatistics-related courses offered by other departments at KMU, with the approval of their advisor and the department chair.
6. Doctoral students need to submit at least one of the following English proficiency test certificates prior to their PhD dissertation exam:
  - (1) TOEFL: ITP score of 500 (or above) or CBT 193 (or above) or iB 68 (or above)
  - (2) GEPT: High-Intermediate Level (First Stage) – Pass
  - (3) TOEIC: Score of 600 or above
  - (4) IELTS: Overall band score of 5.5 or aboveIf the student has taken the test during their study but fails to meet the required score, they may fulfill the requirement by completing and passing an advanced English course offered by the KMU Language and Culture Center.
7. Every student should pass the exam held by "Centre for Taiwan Academic Research prior to their doctoral dissertation exam.
8. For undergraduate courses taken by graduate students, a minimum passing grade of 60 is required.

If failed, the course cannot be retaken, and its credits and grades will not be counted toward semester GPA, graduation GPA, or credit totals.