

工業工程與工程管理學系 必修課程擋修總覽

Prerequisites for required courses of Dept. IEEM

擋修 Prerequisite		在修讀下列的課程之前，必須先修完最左欄對應的課程並達到標準。								
		一年級 (freshman year)		二年級 (sophomore year)				三年級 (junior year)		
		微積分 (一) Calculus (I)	微積分 (二) Calculus (II)	離散數學 Discrete Mathematics	機率論 Probability Theory	工程統計 Engineering Statistics	線性代數 Linear Algebra	品質管制 Quality Control	作業研究 (一) Operations Research (I)	作業研究 (二) Operations Research (II)
I	微積分 (一) Calculus (I)		→ D (≥ 50) ↑	→ C- (≥ 60) ↑	→ C- (≥ 60) ↑					
	微積分 (二) Calculus (II)			擇一 (either)	擇一 (either)					
II	離散數學 Discrete Mathematics									
	機率論 Probability Theory					→ C- (≥ 60) ↑				→ C- (≥ 60) ↑
	工程統計 Engineering Statistics							→ C- (≥ 60) ↑		
	線性代數 Linear Algebra								→ C- (≥ 60) ↑	
III	品質管制 Quality Control									
	作業研究 (一) Operations Research (I)									
	作業研究 (二) Operations Research (II)									
		Prior to taking the courses listed above, one has to finish the corresponding course(s) shown on the leftmost column and meet the requirements.								

* 舉例來說，在修讀微積分(二)之前，必須先修完微積分(一)並且至少拿到 D(50分) 的成績；也有些擋修為二選一的狀況，例如在修讀離散數學之前，只要先修完微積分(一)或微積分(二)並且至少拿到 C-(60分) 的成績即可。

For example, you will NEED to finish Calculus (I) with the grade of D(50/100) or better, or you're NOT ALLOWED to take Calculus (II). In some other cases, there are multiple choices of prerequisites. Taking Discrete Mathematics as an example, you are required to finish EITHER Calculus (I) or Calculus (II) with the grade of C-(60/100) or better in advance.

** 如果在大一上沒有修完微積分(一)，大一下就不能修微積分(二)，萬一又沒有趁暑假修完微積分(一)或微積分(二)，大二上就不能修離散數學、機率論，甚至連帶地大二下不能修工程統計、大三上不能修品質管制、大三下不能修作業研究(二)。

** Usually, students take Calculus (I) in the 1st semester of freshman year. If you do NOT do so, you're NOT ALLOWED to take Calculus (II) in the following semester. If you do not finish any of Calculus (I) or Calculus (II) during summer, you are NOT ALLOWED to take Discrete Mathematics and Probability Theory in the first semester of sophomore year. Moreover, this record will then prohibits you from taking Engineering Statistics (in the second semester of sophomore year), Quality Control (in the 1st semester of junior year), and Operations Research (II) (in the 2nd semester of junior year).

*** 因此，請謹慎思考，以免耽誤自己的畢業時程！

Therefore, please think CAREFULLY before you act, so as to graduate ON TIME!