

113學年度 運籌管理研究所碩士班一般組 課程規劃表
113 Academic year Curriculum planning table

一、最低畢業學分數(Minimum graduation credits)：

畢業學分(Graduation credits)：37.0學分(credits)

專業必修(Professional Required)：19.0學分(credits)

專業選修(Professional elective)：18.0學分(credits)

二、重要相關規定(Important regulations)：

1. 一年級上下學期每學期最少修習9學分。

2. 專業必修19學分之中，「引導研究」及「專題研究」最多採計2次共計6學分，多修學分不列入畢業和選修學分，二門課無法同時修習，除特殊狀況經由指導教授及所長同意得同時修習。專題討論：運籌管理講座(一)、(二)、(三)、(四)共計4學分為必修。

3. 本所認可之專業選修科目表列如上，惟經指導教授及所長同意後，得選修1至3學分與研究相關之他所課程。

4. 於入學第一學年結束前，需通過學術研究倫理教育相關課程(修習3小時以上)，始得提出學位考試申請。

5. 專業必修課程中，研究生在入學前學士班曾修習生產作業管理、供應鏈管理二門課，成績均達80分以上，經由本系審核同意後，得免修本所「供應鏈管理」課程，惟免修課程之學分必須修習本系專業選修課程補足。

1.

First-year students must enroll in a minimum of 9 credits per semester.

2.

Of the 19 required professional credits, "Directed Research" and "Special Topics Research" can be taken up to twice for a total of 6 credits. Additional credits will not count toward graduation or elective credits. These two courses cannot be taken simultaneously unless under special circumstances and with the approval of both the advisor and the director of the institute. "Seminar on Logistics Management" (I), (II), (III), and (IV) are mandatory, totaling 4 credits.

3.

The list of approved professional elective courses is provided above. However, students may take 1 to 3 credits of courses from other departments related to their research, with prior approval from their advisor and the director of the institute.

4.

By the end of the first academic year, students must complete at least 3 hours of academic research ethics education to be eligible to apply for the degree examination.

5.

For required professional courses, students who have taken Production and Operations Management and Supply Chain Management during their undergraduate studies and achieved grades of 80 or above in both courses may apply for exemption from this institute's "Supply Chain Management" course. Approval is subject to review by the department. However, the credits for the exempted course must be replaced with professional elective courses offered by this institute.

科目名稱 Course Title(Chinese)	英文科目名稱 Course Title(English)	科目代碼 Course Number	學分 Credit	*先修科目或#背景科目 *Prerequisite course or #Background course	備註 Remarks
專業必修(required)					
引導研究	Directed Study	GSLM55030	1.0		採計2次2學分，多修學分不列入畢業學分
專題研究	Independent Study	GSLM55040	2.0	*引導研究(*Directed Study)	採計2次4學分，多修學分不列入畢業學分
專題討論：運籌管理講座(一)	Seminar in Logistics Management (I)	GSLM53800	1.0		
專題討論：運籌管理講座(二)	Seminar in Logistics Management (II)	GSLM54800	1.0		
專題討論：運籌管理講座(三)	Seminar in Logistics Management (III)	GSLM54600	1.0		
專題討論：運籌管理講座(四)	Seminar in Logistics Management (IV)	GSLM54900	1.0		
作業研究(一)	Operations Research (I)	GSLM53000	3.0		
供應鏈管理	Supply Chain Management	GSLM50100	3.0		

智慧製造與工業4.0	Intelligent manufacturing and industry 4.0	GSLM55070	3.0		
專業選修(elective)					
通路策略與管理	Strategic Marketing Channel Management	GSLM51300	3.0		
商業物流管理	Business Logistics Management	GSLM50200	3.0		
生產與作業管理	Production and Operations Management	GSLM53600	3.0		
多變量分析	Multivariate Analysis	GSLM55050	3.0		
決策模式與方法	Decision Models and Methods	GSLM52000	3.0		
全球運籌管理	Global Logistics Management	GSLM55020	3.0		
電子商務經營	Managing Electronic Commerce	GSLM55010	3.0		
資料科學的商業運用	Data Science for Business	GSLM@0020	3.0		
作業研究(二)	Operations Research (II)	GSLM52800	3.0		
網路分析與應用	Network Analysis and Applications	GSLM52500	3.0		
輸配送管理	Transportation and Distribution Management	GSLM51600	3.0		
啟發式演算法	Heuristic Algorithms	GSLM53500	3.0		
存貨分析與管理	Inventory Analysis and Management	GSLM53200	3.0		
倉儲規劃與營運系統	Warehouse Planning and Operations Systems	GSLM52700	3.0		
系統模擬	System Simulation	GSLM53300	3.0		
初階隨機過程	Introduction to Stochastic Model	GSLM54100	3.0		
運籌系統規劃與控制	Logistics Systems Planning and Control	GSLM54500	3.0		
運籌風險管理	Logistics Risk Management	GSLM52900	3.0		
採購與供應管理	Purchasing and Supply Management	GSLM54700	3.0		
供應鏈與運籌管理專題	Special Topics in Supply Chains and Logistics Management	GSLM@0010	3.0		
生產計劃與排程	Production Planning and Scheduling	GSLM51900	3.0		
決策分析	Decision Analysis	GSLM55060	3.0		

業務單位：教務處課務組
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