

碩士班課程地圖

畢業學分數：25學分

1

選修課程：15學分

供應鏈管理精論(M3030)、非線性規劃(M6010)、整數與組合最佳化(M6040)、最佳化概論(U0600)、賽局理論與應用(U0660)、資料分析方法(U4040)、時序資料分析(U4050)、模擬分析(U4060)、隨機過程(U6010)、線性代數與應用(U6040)、動態規劃與應用(U6080)、生產與作業排程(U6110)、統計管制與最佳化方法概論(U6130)

必修課程：5學分

- 專題研究(M0070): 至多3學分
- 專題討論(M0080): 至多2學分
 - 碩士論文(M0010)

其它必要條件

- 通過本校「進階英語課程施行辦法」免修條件。
- 在學期間應於研討會、學術會議至少發表一篇論文，或參加全國性論文競賽、創新創業競賽，或投稿學術期刊。
- 完成學術倫理課程



Course Map, Master Program

Minimum credits: 25

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Selective Credits: 15

Fundamentals of supply chain management(M3030), Introduction to Nonlinear Programming(M6010), Integer and Combinatorial Optimization(M6040), Introduction to Optimization(U0600), Game Theory with Applications(U0660), Data Analytics(U4040), Time Series Analytics(U4050), Simulation Analysis(U4060), Introduction to Stochastic Modeling(U6010), Linear Algebra and Its Applications(U6040), Dynamic Programming(U6080), Production and Operations Scheduling(U6110), Introduction to Statistical Control and Optimization(U6130)

Required Credits: 5

- Special Topics(M0070): 3 credits (maximum)
- Graduate Seminar(M0080): 2 credits (maximum)
 - Master Thesis(M0010)

Other Requirements

- Meet the requirements of the University's Online English for Postgraduates program
- Present at least one paper at a seminar or academic conference, or participate in a national academic paper competition or innovation and entrepreneurship competition, or submit an article to an academic journal.
- Complete the Academic Ethics course.



博士班課程地圖

畢業學分數：18學分

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選修課程：18學分

供應鏈管理精論(M3030)、非線性規劃(M6010)、整數與組合最佳化(M6040)、最佳化概論(U0600)、賽局理論與應用(U0660)、資料分析方法(U4040)、時序資料分析(U4050)、模擬分析(U4060)、隨機過程(U6010)、線性代數與應用(U6040)、動態規劃與應用(U6080)、生產與作業排程(U6110)、統計管制與最佳化方法概論(U6130)

必修課程

- 博士專題研究(D0070): 每學期必修
- 專題討論(M0080): 至多2學分 · 不計入畢業學分數
- 博士論文(D0010)

其它必要條件

- 通過本校「進階英語課程施行辦法」免修條件。
- 出席國際研討會發表論文
- 入學後二年內(含休學期間)通過「資格考試」
- 入學後五年內(含休學期間) · 通過博士論文計畫書之口試
- 於SSCI或SCI收錄之期刊發表(含接受)論文至少兩篇
- 完成學術倫理課程

Course map, PhD Program

Minimum credits: 18

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Selective Credits : 18

Fundamentals of supply chain management(M3030), Introduction to Nonlinear Programming(M6010), Integer and Combinatorial Optimization(M6040), Introduction to Optimization(U0600), Game Theory with Applications(U0660), Data Analytics(U4040), Time Series Analytics(U4050), Simulation Analysis(U4060), Introduction to Stochastic Modeling(U6010), Linear Algebra and Its Applications(U6040), Dynamic Programming(U6080), Production and Operations Scheduling(U6110), Introduction to Statistical Control and Optimization(U6130)

Required Credits

- Special Project for Doctor Degrees Student(D0070): required in each semester
- Graduate Seminar(M0080): 2 credits, excluded from graduation credits
- Doctoral dissertation(D0010)

Other Requirements

- Pass qualifying exams within four registered semesters
- Complete the Academic Ethics course.
- Present the dissertation works in an international conference.
- Complete two papers as the first, second or corresponding author, in the top 50% rank (by 5-year impact factor) of SCI or SSCI journals.