

運輸與物流管理學系博士班修課規定
107 學年度

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| 最低修業年限 | 一般生：二年 ； 在職生：二年 |
| 應修學分數 | 27 學分(不含博士班專題研討、個別研究、論文、外國語言) |
| 直升博士生應修學分數 | 42 學分 (含碩士班學分) |
| 應修 (應選) 課程及符合畢業資格之修課相關規定 | <p>1. 須修習二門核心課程、六門本系開授科目 18 學分，且需至少修習「博士班專業課程」(含本系「博士班課程表」所列之課程，以及本院各系所所開授之博士班專業課程) 三門 9 學分並及格。</p> <p>2. 畢業前每學期應修「運輸與物流研究專題」課程。</p> <p>3. 博士班核心課程分為數學類及統計類，每類至少選修一門課。核心課程若本系未開授，得至外系所修課。核心課程如下所列：</p> <p style="margin-left: 20px;">①最佳化方法：線性規劃、動態規劃、非線性規劃、組合優化、整數規劃、數學規劃、啟發式解法。</p> <p style="margin-left: 20px;">②統計類：隨機過程、數理統計、多變量分析與應用、運輸計量分析。</p> <p>4. 擔任教學獎助生應修習教學實務課程，至多採計1學分並列入畢業學分之選修課程，修習1學分的教學實務課程將免收學分費。</p> |

PH. D. of Department of Transportation and Logistics Management
Academic Year 2018

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| Minimum Term of Study | Full-time students : 2years ; Part-time students : 2year |
| Minimum Credits | 27 Credits (excluding the courses of Ph.D. seminar, dissertation, and foreign language.) |
| Minimum credits of students admitted to Ph.D. program | 42 credits (including the credits of master program obtained before the admission to the Ph.D. program). |
| Curriculum and Regulations | <ol style="list-style-type: none"> 1. The credits should include 18 credits of 2 core courses and 6 courses offered by TLM, and 9 credits of 3 courses of Ph.D. program should be completed and passed (for example, the courses of the "Ph.D. Program" of TLM, and all PhD courses offered by other departments or institutes of College of Management are recognized). 2. Ph.D. students should complete and pass seminar for each semester before graduation. 3. The core courses of Ph.D. program can be divided into mathematical and statistical categories. Each Ph.D. student should select at least one course from each of the two categories. Students can complete the core courses offered by other departments or graduate institutes if the core courses are not offered by TLM. The core courses are listed as follows: <ol style="list-style-type: none"> ①. Optimization Techniques category: Linear Programming, Dynamic Programming, Nonlinear Programming, Combinatorial Optimization, Integer Programming, Mathematical Programming, and Heuristics. ②. Statistics category: Stochastic Processes, Mathematical Statistics, Multivariate Analysis and Application and The Application of Econometrics in Transportation Data 4. A student being a teaching assistant and receiving scholarship should take the course "Teaching Technique Practice", which is a one credit course, and the credit is counted towards the elective course credit for graduation requirement. The tuition is waived for this credit course. |