

## 運輸與物流管理學系 Department of Transportation and Logistics Management

108 學年度 (Academic Year 2019)

| 科目名稱<br>(Course Name)                          | 學分<br>Credit | 第一學年<br>Grade 1 |       | 第二學年<br>Grade 2 |       | 第三學年<br>Grade 3 |       | 第四學年<br>Grade 4 |       | 備註<br>Note   |
|--|--------------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|--|
|  |              | 上 1st           | 下 2nd | 上 1st           | 下 2nd | 上 1st           | 下 2nd | 上 1st           | 下 2nd |  |
| 微積分 (一)(二)<br>Calculus                         | 8            | 4               | 4     |                 |       |                 |       |                 |       |  |
| 計算機概論<br>Introduction to Computers Science     | 3            | 3               |       |                 |       |                 |       |                 |       |  |
| 程式設計<br>Programming                            | 3            |                 | 3     |                 |       |                 |       |                 |       |  |
| 會計學 (一)(二)<br>Accounting                       | 6            | 3               | 3     |                 |       |                 |       |                 |       |  |
| 經濟學 (一)(二)<br>Principles of Economics          | 6            | 3               | 3     |                 |       |                 |       |                 |       |  |
| 運輸學<br>Transportation                          | 3            | 3               |       |                 |       |                 |       |                 |       |  |
| 交通工程<br>Traffic Engineering                    | 3            |                 | 3     |                 |       |                 |       |                 |       |  |
| 線性代數<br>Linear Algebra                         | 3            |                 | 3     |                 |       |                 |       |                 |       |  |
| 統計學 (一)(二)<br>Statistics                       | 6            |                 |       | 3               | 3     |                 |       |                 |       |  |
| 作業研究 (一)(二)<br>Operations Research             | 6            |                 |       | 3               | 3     |                 |       |                 |       |  |
| 管理學<br>Management                              | 3            |                 |       |                 | 3     |                 |       |                 |       |  |
| 運輸工程<br>Transportation Engineering             | 3            |                 |       | 3               |       |                 |       |                 |       |  |
| 巨集程式開發與應用<br>Macro Programming and Application | 3            |                 |       | 3               |       |                 |       |                 |       |  |
| 物流運籌管理<br>Strategic Logistics Management       | 3            |                 |       |                 | 3     |                 |       |                 |       |  |
| 運輸規劃<br>Transportation Planning                | 3            |                 |       |                 |       |                 | 3     |                 |       |  |
| 畢業專題<br>Graduation Project                     | 2            |                 |       |                 |       |                 |       | 2               |       |  |
| 航空運輸<br>Air Transportation                     | 3            |                 |       |                 |       |                 | 3     |                 |       | 2 選 1  |
| 海洋運輸<br>Marine Transportation                  |              |                 |       |                 |       |                 | 3     |                 |       |  |
| 財務管理<br>Financial Management                   | 6            |                 |       | 3               |       |                 |       |                 |       | ※管院基礎課程<br>6 選 2<br>Select and pass<br>two out of six<br>courses in the list<br>of Management<br>Basic Courses |
| 行銷學<br>Principles of Marketing                 |              |                 |       |                 | 3     |                 |       |                 |       |  |
| 人力資源管理<br>Human Resource Management            |              |                 |       |                 |       |                 | 3     |                 |       |  |
| 管理資訊系統<br>Management Information System        |              |                 |       |                 |       |                 | 3     |                 |       |  |
| 生產與作業管理<br>Production and Operation            |              |                 |       |                 |       |                 | 3     |                 |       |  |
| 資料庫管理<br>Database Management                   |              |                 |       |                 | 3     |                 |       |                 |       |  |
| 合計 Total                                       | 73           | 16              | 19    | 12~15           | 12~15 | 3~12            | 3~6   | 2               | 0     | 6  |

本系最低畢業學分為 136 學分。

A total of at least 136 credits is required to fulfil a degree.

※學生須於畢業前自下列六門管院基礎課程(財務管理、行銷學、人力資源管理、管理資訊系統、生產與作業管理、資料庫管理)任選二門修習並及格。

Students need to select and pass any two of the six basic courses (Financial management, Principles of marketing, Human resource management, Management information system, Production and operations management, Database management) from the school of management before graduation.

◎學生畢業前須自三項專業領域中至少修畢 2 項領域內規定之課程及至少 15 學分(請見附表)。

Students are required to complete at least two out of the three major areas with a minimum of 15 credits. (See attached table).

## 運輸與物流管理學系 專業選修領域課程表

Department of Transportation and Logistics Management: List of Area Electives Courses

專業選修：至少修畢 2 大領域規定之課程，至少 15 學分。

Area Electives: complete at least two areas with a minimum number of 15 credits.

| 領域名稱<br>Area  | 科目<br>Course Name  | 學分<br>Credit | 備註<br>Note                  |
|---|--|--------------|-----------------------------|
| 運輸規劃與政策<br>Transportation Planning and Policy       | 1. 運輸經濟<br>Transportation Economics                        | 3            | 4 選 3<br>3 out of 4 courses |
|   | 2. 運輸網路概論<br>Introductory Transportation Network           | 3            |                             |
|   | 3. 專案規劃與評估<br>Project Planning and Evaluation              | 3            |                             |
|   | 4. 公共運輸<br>Public Transportation                           | 3            |                             |
| 運輸營運與科技<br>Transportation Operations and Technology | 1. 智慧型運輸系統概論<br>Int. to Intelligent Transportation Systems | 3            | 4 選 3<br>3 out of 4 courses |
|   | 2. 交通控制<br>Traffic Control                                 | 3            |                             |
|   | 3. 公共運輸<br>Public Transportation                           | 3            |                             |
|   | 4. 運輸網路概論<br>Introductory Transportation Network           | 3            |                             |
| 物流管理<br>Logistics Management                        | 1. 採購與作業物流<br>Procurement and Operations Logistics         | 3            | 4 選 3<br>3 out of 4 courses |
|   | 2. 運輸與配送管理<br>Transportation and Distribution Management   | 3            |                             |
|   | 3. 國際物流管理<br>International Logistics Management            | 3            |                             |
|   | 4. 運輸網路概論<br>Introductory Transportation Network           | 3            |                             |

## 運輸與物流管理學系輔系科目表

Department of Transportation and Logistics Management Minor Program

| 科目名稱<br>Course Name  | 學分數<br>Credit   | 科目名稱<br>Course Name                     | 學分數<br>Credit                                   | 選別<br>Required/<br>Elective  |                             |
|--|---|---|---|--|-----------------------------|
| 運輸學<br>Transportation  | 3   | 運輸工程<br>Transportation Engineering      | 3   | 必修<br>Required   |                             |
| 交通工程<br>Traffic Engineering  | 3   | 運輸規劃<br>Transportation Planning         | 3   |  |                             |
| 物流運籌管理<br>Strategic Logistics Management   | 3   |   |   |  |                             |
| 財務管理<br>Financial Management   | 3   | 管理資訊系統<br>Management Information System | 3   | 管院基礎課程<br>6 選 2  |                             |
| 行銷學<br>Principles of Marketing   | 3   | 生產與作業管理<br>Production and Operation     | 3   | Select and pass<br>two out of six<br>courses in the list<br>of Management<br>Basic Courses |                             |
| 人力資源管理<br>Human Resource Management  | 3   | 資料庫管理<br>Database Management            | 3   |  |                             |
| 本系專業選修 3 大領域，至少修畢 2 領域<br>It is required to complete two out of the three major areas. |   |   |   |  |                             |
| 運輸規劃與政策<br>Transportation Planning and Policy  | 運輸網路概論<br>Introductory Transportation Network           | 3                                       | 專案規劃與評估<br>Project Planning and Evaluation      | 3  | 4 選 3<br>3 out of 4 courses |
|  | 運輸經濟<br>Transportation Economics                        | 3                                       | 公共運輸<br>Public Transportation                   | 3  |                             |
| 運輸營運與科技<br>Transportation Operations and Technology                                    | 智慧型運輸系統概論<br>Int. to Intelligent Transportation Systems | 3                                       | 交通控制<br>Traffic Control                         | 3  | 4 選 3<br>3 out of 4 courses |
|  | 公共運輸<br>Public Transportation                           | 3                                       | 運輸網路概論<br>Introductory Transportation Network   | 3  |                             |
| 物流管理<br>Logistics Management   | 運輸與配送管理<br>Transportation and Distribution Management   | 3                                       | 採購與作業物流<br>Procurement and Operations Logistics | 3  | 4 選 3<br>3 out of 4 courses |
|  | 國際物流管理<br>International Logistics Management            | 3                                       | 運輸網路概論<br>Introductory Transportation Network   | 3  |                             |
| 輔系最低應修學分為 36 學分<br>At least 36 credits is required for a minor.                        |   |   |   |  |                             |